

Spain

TRENDS AND SOURCES OF ZOONOSES AND ZOOTIC AGENTS IN FOODSTUFFS, ANIMALS AND FEEDINGSTUFFS

including information on foodborne outbreaks,
antimicrobial resistance in zoonotic and indicator bacteria
and some pathogenic microbiological agents

IN 2017

PREFACE

This report is submitted to the European Commission in accordance with Article 9 of Council Directive 2003/99/EC*. The information has also been forwarded to the European Food Safety Authority (EFSA).

The report contains information on trends and sources of zoonoses and zoonotic agents in Spain during the year 2017.

The information covers the occurrence of these diseases and agents in animals, foodstuffs and in some cases also in feedingstuffs. In addition the report includes data on antimicrobial resistance in some zoonotic agents and indicator bacteria as well as information on epidemiological investigations of foodborne outbreaks.

Complementary data on susceptible animal populations in the country is also given. The information given covers both zoonoses that are important for the public health in the whole European Union as well as zoonoses, which are relevant on the basis of the national epidemiological situation.

The report describes the monitoring systems in place and the prevention and control strategies applied in the country. For some zoonoses this monitoring is based on legal requirements laid down by the European Union legislation, while for the other zoonoses national approaches are applied.

The report presents the results of the examinations carried out in the reporting year. A national evaluation of the epidemiological situation, with special reference to trends and sources of zoonotic infections, is given. Whenever possible, the relevance of findings in foodstuffs and animals to zoonoses cases in humans is evaluated.

The information covered by this report is used in the annual European Union Summary Reports on zoonoses and antimicrobial resistance that are published each year by EFSA.

The national report contains two parts: tables summarising data reported in the Data Collection Framework and the related text forms. The text forms were sent by email as pdf files and they are incorporated at the end of the report.

* Directive 2003/ 99/ EC of the European Parliament and of the Council of 12 December 2003 on the monitoring of zoonoses and zoonotic agents, amending Decision 90/ 424/ EEC and repealing Council Directive 92/ 117/ EEC, OJ L 325, 17.11.2003, p. 31

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ANIMAL POPULATION TABLES

Table Susceptible animal population

Animal species	Category of animals	Population	
		holding	animal
Cattle (bovine animals)	Cattle (bovine animals)	124,756	5,537,792
	Cattle (bovine animals) - calves (under 1 year)	20,606	2,465,533
	Cattle (bovine animals) - dairy cows and heifers	15,830	858,524
	Cattle (bovine animals) - meat production animals	88,320	2,213,735
Ducks	Ducks - breeding flocks, unspecified	8	26,109
Gallus gallus (fowl)	Gallus gallus (fowl) - breeding flocks, unspecified	450	30,174,962
	Gallus gallus (fowl) - broilers	4,987	278,114,202
	Gallus gallus (fowl) - grandparent breeding flocks, unspecified - unspecified	38	455,521
	Gallus gallus (fowl) - laying hens	1,341	45,760,924
	Gallus gallus (fowl) - parent breeding flocks, unspecified - unspecified	374	7,392,410
Geese	Geese - breeding flocks, unspecified	29	8,040
Goats	Goats	63,330	6,438,511
Pigs	Pigs	71,968	29,702,173
	Pigs - breeding animals	5,779	4,851,741
	Pigs - breeding animals - unspecified - sows and boars	444	2,203,193
	Pigs - fattening pigs	53,119	19,360,092
	Pigs - mixed herds	12,730	3,287,147
Sheep	Sheep	100,322	29,150,787
Solipeds, domestic	Solipeds, domestic - horses	188,634	628,725
Turkeys	Turkeys - breeding flocks, unspecified	66	204,317
	Turkeys - meat production flocks	783	6,946,613

DISEASE STATUS TABLES

Table Bovine brucellosis - data on animals - Community co-financed eradication programmes

Region	Total number of animals	Number of animals to be tested under the program	Number of animals tested	Number of animals tested individually	Number of positive animals	Number of positive animals slaughtered	Total number of animals slaughtered
SPAIN	6,277,525	4,322,377	3,469,015	3,440,226	111	136	2,792
Galicia	949,034	681,355	675,496	675,496	0	0	0
Principado de Asturias	389,906	107,373	107,373	107,373	0	0	6
Cantabria (NUTS level 2)	236,048	232,351	232,351	232,351	20	20	1,500
País Vasco	131,896	77,749	77,749	73,776	0	0	0
Comunidad Foral de Navarra	123,496	74,444	74,444	74,444	0	0	0
La Rioja (NUTS level 2)	43,303	19,637	19,637	19,637	0	0	0
Aragón	336,408	79,737	79,736	79,736	0	4	4
Comunidad de Madrid (NUTS level 2)	84,459	56,089	56,089	56,089	0	0	0
Castilla y León	1,229,451	1,059,780	774,232	774,232	62	62	265
Castilla-La Mancha	442,995	174,447	174,382	174,382	0	0	757
Extremadura	968,602	593,318	593,318	587,363	29	50	256
Cataluña	633,535	574,829	199,271	199,088	0	0	3
Comunidad Valenciana	55,489	54,785	22,645	22,645	0	0	0
Illes Balears	28,925	11,681	11,681	1,335	0	0	0
Andalucía	527,573	526,044	365,898	357,566	0	0	1
Región de Murcia	79,867	192	192	192	0	0	0
Canarias (NUTS level 2)	16,538	4,521	4,521	4,521	0	0	0

Table Bovine brucellosis - data on herds - Community co-financed eradication programmes

Region	Number of new positive herds	Number of depopulated herds	Total number of herds	Number of herds under the program	Number of herds under the program tested/checked	Number of positive herds
SPAIN	19	22	115,849	114,470	93,096	21
Galicia	0	0	35,920	35,912	30,270	0
Principado de Asturias	0	0	15,738	15,738	5,828	0
Cantabria (NUTS level 2)	11	17	7,046	6,971	6,971	12
País Vasco	0	0	5,474	5,474	4,639	0
Comunidad Foral de Navarra	0	0	1,553	1,553	1,462	0
La Rioja (NUTS level 2)	0	0	319	319	319	0
Aragón	0	0	3,103	3,103	1,540	0
Comunidad de Madrid (NUTS level 2)	0	0	1,398	1,398	1,398	0
Castilla y León	4	3	16,831	15,791	15,791	4
Castilla-La Mancha	0	0	3,214	3,213	2,369	0
Extremadura	4	2	11,073	10,927	10,323	5
Cataluña	0	0	4,943	4,943	4,941	0
Comunidad Valenciana	0	0	625	611	465	0
Illes Balears	0	0	533	533	224	0
Andalucía	0	0	6,929	6,834	6,193	0
Región de Murcia	0	0	354	354	16	0
Canarias (NUTS level 2)	0	0	796	796	347	0

Table Bovine brucellosis - data on status of herds at the end of the period - Community co-financed eradication programmes

Region	Number of herds with unknown status, at the end of the period	Number of animals with unknown status, at the end of the period	Number of herds with status not free or not officially free and last check positive, at the end of the period	Number of animals with status not free or not officially free and last check positive, at the end of the period	Number of herds with status not free or not officially free and last check negative, at the end of the period	Number of animals with status not free or not officially free and last check negative, at the end of the period	Number of herds with status free or officially free suspended, at the end of the period	Number of animals with status free or officially free suspended, at the end of the period	Number of herds with status free, at the end of the period	Number of animals with status free, at the end of the period	Number of herds with status officially free, at the end of the period	Number of animals with status officially free, at the end of the period
SPAIN	15	1,138	5	759	70	2,194	171	5,858	25	2,104	112,205	6,032,338
Galicia	0	0	0	0	0	0	0	0	0	0	34,089	946,693
Principado de Asturias	0	0	0	0	0	0	0	0	0	0	15,738	389,906
Cantabria (NUTS level 2)	0	0	0	0	4	338	18	1,084	0	0	6,949	232,457
País Vasco	0	0	0	0	0	0	0	0	0	0	5,554	135,164
Comunidad Foral de Navarra	0	0	0	0	0	0	0	0	0	0	1,553	123,496
La Rioja (NUTS level 2)	0	0	0	0	0	0	1	87	0	0	318	43,216
Aragón	0	0	0	0	0	0	1	1	0	0	3,102	334,015
Comunidad de Madrid (NUTS level 2)	0	0	0	0	0	0	0	0	0	0	1,398	56,089
Castilla y León	11	837	3	458	56	1,618	1	158	25	2,104	15,695	1,054,605
Castilla-La Mancha	0	0	0	0	0	0	3	65	0	0	3,211	442,920
Extremadura	0	0	2	301	2	144	1	167	0	0	10,824	943,207
Cataluña	4	301	0	0	0	0	0	0	0	0	4,926	629,788
Comunidad Valenciana	0	0	0	0	0	0	0	0	0	0	611	54,785
Illes Balears	0	0	0	0	0	0	0	0	0	0	553	28,322
Andalucía	0	0	0	0	8	94	146	4,296	0	0	6,534	521,270
Región de Murcia	0	0	0	0	0	0	0	0	0	0	354	79,867
Canarias (NUTS level 2)	0	0	0	0	0	0	0	0	0	0	796	16,538

Table Ovine or Caprine brucellosis - data on animals - Community co-financed eradication programmes

Region	Total number of animals	Number of animals to be tested under the program	Number of animals tested	Number of animals tested individually	Number of positive animals	Number of positive animals slaughtered	Total number of animals slaughtered
SPAIN	18,790,167	12,255,950	6,615,840	5,005,214	363	408	4,727
Galicia	226,900	79,802	73,484	73,484	0	0	0
Principado de Asturias	76,774	9,758	9,758	9,758	0	0	0
Cantabria (NUTS level 2)	91,675	15,474	15,474	15,474	0	0	15
País Vasco	269,337	97,216	96,491	72,928	0	0	0
Comunidad Foral de Navarra	509,177	133,406	133,406	37,012	0	1	1
La Rioja (NUTS level 2)	99,023	28,967	28,967	11,326	0	0	0
Aragón	1,381,686	508,967	508,967	508,967	0	25	25
Comunidad de Madrid (NUTS level 2)	93,451	91,345	91,345	91,345	1	1	717
Castilla y León	3,181,250	3,181,250	264,585	264,585	0	0	10
Castilla-La Mancha	3,088,409	3,088,409	890,487	890,487	11	11	348
Extremadura	4,008,221	325,033	325,033	325,033	0	9	9
Cataluña	464,095	464,095	464,060	220,944	185	185	869
Comunidad Valenciana	394,590	393,825	144,678	62,526	0	0	2
Illes Balears	311,276	48,208	48,208	25,219	0	0	0
Andalucía	3,458,768	2,818,487	2,722,711	2,134,093	166	164	2,719
Región de Murcia	881,499	761,530	754,570	218,417	0	12	12
Canarias (NUTS level 2)	254,036	210,178	43,616	43,616	0	0	0

Table Ovine or Caprine brucellosis - data on herds - Community co-financed eradication programmes

Region	Number of new positive herds	Number of depopulated herds	Total number of herds	Number of herds under the program	Number of herds under the program tested/checked	Number of positive herds
SPAIN	15	5	116,707	115,888	50,541	19
Galicia	0	0	19,920	19,920	5,816	0
Principado de Asturias	0	0	8,232	8,232	995	0
Cantabria (NUTS level 2)	0	0	5,776	5,776	330	0
País Vasco	0	0	9,123	9,123	4,178	0
Comunidad Foral de Navarra	0	0	2,777	2,777	940	0
La Rioja (NUTS level 2)	0	0	405	401	144	0
Aragón	0	0	3,567	3,567	1,326	0
Comunidad de Madrid (NUTS level 2)	1	1	694	694	694	1
Castilla y León	0	0	11,170	11,170	2,968	0
Castilla-La Mancha	3	1	6,385	6,385	4,763	3
Extremadura	0	0	17,013	16,441	4,224	0
Cataluña	1	1	3,647	3,647	3,643	1
Comunidad Valenciana	0	0	1,425	1,393	487	0
Illes Balears	0	0	4,120	4,120	854	0
Andalucía	10	2	18,548	18,346	16,679	14
Región de Murcia	0	0	1,881	1,872	1,771	0
Canarias (NUTS level 2)	0	0	2,024	2,024	729	0

Table Ovine or Caprine brucellosis - data on status of herds at the end of the period - Community co-financed eradication programmes

Region	Number of herds with unknown status, at the end of the period	Number of animals with unknown status, at the end of the period	Number of herds with status not free or not officially free and last check positive, at the end of the period	Number of animals with status not free or not officially free and last check positive, at the end of the period	Number of herds with status not free or not officially free and last check negative, at the end of the period	Number of animals with status not free or not officially free and last check negative, at the end of the period	Number of herds with status free or officially free suspended, at the end of the period	Number of animals with status free or officially free suspended, at the end of the period	Number of herds with status free, at the end of the period	Number of animals with status free, at the end of the period	Number of herds with status officially free, at the end of the period	Number of animals with status officially free, at the end of the period
SPAIN	234	5,904	14	8,271	693	50,636	93	15,821	9,246	1,679,786	104,353	16,028,171
Galicia	0	0	0	0	0	0	0	0	0	0	19,117	206,127
Principado de Asturias	0	0	0	0	0	0	0	0	0	0	8,232	76,774
Cantabria (NUTS level 2)	0	0	0	0	1	4	0	0	0	0	5,775	91,671
País Vasco	0	0	0	0	0	0	0	0	0	0	9,245	268,068
Comunidad Foral de Navarra	0	0	0	0	0	0	0	0	0	0	2,777	509,177
La Rioja (NUTS level 2)	0	0	0	0	0	0	0	0	0	0	401	98,586
Aragón	0	0	0	0	0	0	4	67	0	0	3,563	1,381,619
Comunidad de Madrid (NUTS level 2)	0	0	0	0	1	412	0	0	0	0	693	90,933
Castilla y León	9	113	0	0	1	2	0	0	0	0	11,160	3,181,135
Castilla-La Mancha	0	0	0	0	39	2,175	16	2,159	402	163,581	5,924	2,920,500
Extremadura	0	0	0	0	0	0	0	0	0	0	15,934	3,931,966
Cataluña	0	0	0	0	0	0	4	35	0	0	3,640	462,897
Comunidad Valenciana	0	0	0	0	0	0	0	0	0	0	1,393	393,825
Illes Balears	0	0	0	0	0	0	0	0	0	0	4,120	311,276
Andalucía	225	5,791	14	8,271	560	33,041	69	13,560	8,293	1,293,413	9,185	1,369,703
Región de Murcia	0	0	0	0	91	15,002	0	0	551	222,792	1,170	523,736
Canarias (NUTS level 2)	0	0	0	0	0	0	0	0	0	0	2,024	210,178

DISEASE STATUS TABLES

Table Bovine tuberculosis - data on animals - Community co-financed eradication programmes

Region	Total number of animals	Number of animals to be tested under the program	Number of animals tested	Number of animals tested individually	Number of positive animals	Number of positive animals slaughtered	Total number of animals slaughtered
SPAIN	6,397,103	5,322,386	5,222,710	5,217,314	15,865	17,470	23,828
Galicia	949,034	900,575	825,818	825,818	21	19	1,646
Principado de Asturias	389,946	364,241	364,241	364,241	303	303	447
Cantabria (NUTS level 2)	285,925	285,925	285,925	285,925	195	195	1,623
País Vasco	131,896	105,249	105,249	105,249	14	14	44
Comunidad Foral de Navarra	123,496	98,979	98,979	98,979	74	206	206
La Rioja (NUTS level 2)	43,303	37,318	37,318	37,318	104	104	104
Aragón	336,968	145,824	145,540	145,540	33	722	755
Comunidad de Madrid (NUTS level 2)	84,459	78,060	78,060	78,060	206	206	208
Castilla y León	1,263,586	1,112,983	1,112,983	1,112,983	1,040	1,022	2,834
Castilla-La Mancha	442,995	328,174	328,174	328,174	1,790	1,790	1,904
Extremadura	968,602	920,081	920,081	916,513	5,130	5,935	6,092
Cataluña	633,535	255,056	254,673	252,845	95	94	94
Comunidad Valenciana	55,489	54,785	37,903	37,903	170	170	238
Illes Balears	28,925	21,978	21,978	21,978	0	0	57
Andalucía	562,512	547,071	536,901	536,901	6,686	6,686	7,572
Región de Murcia	79,867	53,117	53,014	53,014	4	4	4
Canarias (NUTS level 2)	16,565	16,538	15,873	15,873	0	0	0

Table Bovine tuberculosis - data on herds - Community co-financed eradication programmes

Region	Number of new positive herds	Number of depopulated herds	Total number of herds	Number of herds under the program	Number of herds under the program tested/checked	Number of positive herds
SPAIN	1,223	50	115,889	112,232	105,980	2,461
Galicia	5	5	35,920	35,912	30,561	6
Principado de Asturias	10	5	15,733	15,733	15,733	13
Cantabria (NUTS level 2)	28	3	7,044	6,970	6,970	35
País Vasco	4	0	5,474	4,681	4,676	5
Comunidad Foral de Navarra	6	0	1,553	1,553	1,451	10
La Rioja (NUTS level 2)	4	0	319	284	284	6
Aragón	12	2	3,103	3,062	3,062	15
Comunidad de Madrid (NUTS level 2)	16	1	1,398	1,336	1,336	36
Castilla y León	199	8	16,831	15,791	15,791	257
Castilla-La Mancha	126	4	3,214	2,494	2,395	248
Extremadura	489	3	11,073	10,531	10,430	1,017

Region	Number of new positive herds	Number of depopulated herds	Total number of herds	Number of herds under the program	Number of herds under the program tested/checked	Number of positive herds
Cataluña	9	1	4,943	4,943	4,921	9
Comunidad Valenciana	18	2	625	611	475	19
Illes Balears	0	0	533	533	445	0
Andalucía	295	16	6,976	6,648	6,329	781
Región de Murcia	2	0	354	354	325	4
Canarias (NUTS level 2)	0	0	796	796	796	0

Table Bovine tuberculosis - data on status of herds at the end of the period - Community co-financed eradication programmes

Region	Number of herds with unknown status, at the end of the period	Number of animals with unknown status, at the end of the period	Number of herds with status not free or not officially free and last check positive, at the end of the period	Number of animals with status not free or not officially free and last check positive, at the end of the period	Number of herds with status not free or not officially free and last check negative, at the end of the period	Number of animals with status not free or not officially free and last check negative, at the end of the period	Number of herds with status free or officially free suspended, at the end of the period	Number of animals with status free or officially free suspended, at the end of the period	Number of herds with status free, at the end of the period	Number of animals with status free, at the end of the period	Number of herds with status officially free, at the end of the period	Number of animals with status officially free, at the end of the period
SPAIN	78	3,980	1,414	226,315	1,766	178,483	548	46,098	0	0	106,693	5,677,061
Galicia	7	558	3	40	6	10	19	1,189	0	0	34,054	944,896
Principado de Asturias	0	0	0	0	0	0	10	881	0	0	15,268	379,672
Cantabria (NUTS level 2)	0	0	18	1,643	3	562	223	13,509	0	0	6,721	270,211
Pais Vasco	0	0	0	0	0	0	1	181	0	0	5,553	132,782
Comunidad Foral de Navarra	0	0	2	709	1	377	0	0	0	0	1,550	122,410
La Rioja (NUTS level 2)	0	0	2	428	1	447	1	87	0	0	280	36,356
Aragón	0	0	3	611	3	766	7	1,439	0	0	3,049	334,152
Comunidad de Madrid (NUTS level 2)	0	0	36	3,571	18	1,371	0	0	0	0	1,282	73,118
Castilla y León	7	241	416	59,968	394	56,140	1	158	0	0	14,973	1,113,306
Castilla-La Mancha	0	0	156	23,841	102	16,942	47	6,263	0	0	2,189	318,127
Extremadura	3	565	451	89,814	837	65,983	129	13,514	0	0	9,021	738,515
Cataluña	15	1,700	5	694	2	251	16	1,014	0	0	4,892	626,430
Comunidad Valenciana	0	0	0	0	0	0	48	3,659	0	0	563	51,126
Illes Balears	0	0	0	0	0	0	0	0	0	0	549	27,488
Andalucía	46	916	322	44,996	397	35,619	45	4,116	0	0	5,602	412,170
Región de Murcia	0	0	0	0	2	15	1	88	0	0	351	79,764
Canarias (NUTS level 2)	0	0	0	0	0	0	0	0	0	0	796	16,538

PREVALENCE TABLES

Table Anisakis:ANISAKIS in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Fish - raw - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	200	Gram	Macroscopic identification method	91	12	Anisakis, unspecified sp.	12
	Fishery products, unspecified - raw - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/feed)	150	Gram	Not Available	54	0	Anisakis	0
	Fishery products, unspecified - raw - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	200	Gram	Macroscopic identification method	13	0	Anisakis	0

Table B. cereus enterotoxins:B. CEREUS ENTEROTOXINS in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Monitoring - active - Official sampling - Suspect sampling	single (food/food)	10	Gram	Not Available	1	0	B. cereus enterotoxins	0

Table Bacillus:BACILLUS in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Bacillus	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	4	0	Bacillus	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Bacillus	0
	Cheeses made from goats' milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	11	0	Bacillus	0
	Cheeses made from goats' milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Bacillus	0
	Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Bacillus	0
	Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Bacillus	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Bacillus	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Bacillus	0
	Infant formula - dried - intended for infants below 6 months - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	200	Gram	Not Available	10	0	Bacillus	0
	Infant formula - dried - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	200	Gram	Not Available	10	0	Bacillus	0
	Milk, cows' - pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Millilitre	Not Available	3	0	Bacillus	0
	Milk, goats' - raw milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Millilitre	Not Available	1	0	Bacillus	0
	Milk, goats' - raw milk for manufacture - intended for manufacture of pasteurised/UHT products - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Millilitre	Not Available	1	0	Bacillus	0
	Other processed food products and prepared dishes - egg based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Spain - food sample - Surveillance - Official sampling - Suspect sampling	single (food/fee d)	50	Gram	EN/ISO 7932 Bacillus cereus	1	0	Bacillus	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	1	Gram	Not Available	30	0	Bacillus	0
	Other processed food products and prepared dishes - unspecified - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	single (food/fee d)	50	Gram	Not Available	17	3	Bacillus cereus	3
	Other processed food products and prepared dishes - unspecified - Retail - Not Available - food sample - Monitoring - Official sampling - Selective sampling	single (food/fee d)	10	Gram	Not Available	12	0	Bacillus	0
	Other processed food products and prepared dishes - unspecified - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	single (food/fee d)	50	Gram	Not Available	1	0	Bacillus	0

Table Brucella:BRUCELLA in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Method	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
SPAIN	Deer - wild - fallow deer - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling	Microbiological tests	animal	28	0	Brucella	0
	Deer - wild - red deer - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling	Microbiological tests	animal	496	1	Brucella suis - biovar 2	1
	Deer - wild - roe deer - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling	Microbiological tests	animal	48	1	Brucella suis - biovar 2	1
	Pigs - Farm - Spain - animal sample - Monitoring - active - Official sampling - Selective sampling	Enzyme-linked immunosorbent assay (ELISA)	animal	4992	0	Brucella	0
	Pigs - mixed herds - not raised under controlled housing conditions - Hunting - Spain - animal sample - organ/tissue - Monitoring - passive - Official sampling - Suspect sampling	Microbiological tests	animal	35	6	Brucella suis - biovar 2	6
	Wild boars - wild - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling	Microbiological tests	animal	2760	98	Brucella suis - biovar 2	98

Table Brucella:BRUCELLA in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Cheeses made from goats' milk - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	single (food/feed)	100	Gram	Not Available	2	0	Brucella	0
	Cheeses made from sheep's milk - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	single (food/feed)	100	Gram	Not Available	3	0	Brucella	0
	Meat from bovine animals - carcass - Slaughterhouse - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	single (food/feed)	100	Gram	Not Available	97488	0	Brucella	0
	Meat from bovine animals - carcass - Slaughterhouse - Not Available - Not Available - Control and eradication programmes - Official sampling - Objective sampling	single (food/feed)	50	Gram	Not Available	43378	0	Brucella	0
	Meat from bovine animals - carcass - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	Not Available	91009	0	Brucella	0
	Meat from goat - carcass - Slaughterhouse - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	single (food/feed)	100	Gram	Not Available	27206	0	Brucella	0
	Meat from goat - carcass - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	Not Available	455829	0	Brucella	0
	Meat from horse - carcass - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	Not Available	687	0	Brucella	0
	Meat from pig - carcass - Slaughterhouse - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	single (food/feed)	100	Gram	Not Available	1012626	0	Brucella	0
	Meat from pig - carcass - Slaughterhouse - Not Available - Not Available - Control and eradication programmes - Official sampling - Census	single (food/feed)	50	Gram	Not Available	1094	0	Brucella	0
	Meat from pig - carcass - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	Not Available	3445003	0	Brucella	0
	Meat from sheep - carcass - Slaughterhouse - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	single (food/feed)	100	Gram	Not Available	105173	0	Brucella	0
	Meat from sheep - carcass - Slaughterhouse - Not Available - Not Available - Control and eradication programmes - Official sampling - Objective sampling	single (food/feed)	50	Gram	Not Available	1967	0	Brucella	0
	Meat from sheep - carcass - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	Not Available	563748	0	Brucella	0

Table Calicivirus:CALICIVIRUS in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Fruits - edible part - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	Not Available	20	0	Norovirus	0
	Fruits and vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	Not Available	3	0	Calicivirus	0
	Live bivalve molluscs - mussels - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	Not Available	3	0	Norovirus	0
	Live bivalve molluscs - mussels - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	Not Available	10	2	Norovirus	2
	Live bivalve molluscs - mussels - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	Not Available	8	0	Norovirus	0
	Live bivalve molluscs - oysters - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	Not Available	2	0	Norovirus	0
	Live bivalve molluscs - unspecified - depurated - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/food)	50	Gram	Reverse-transcription PCR (RT-PCR)	7	1	Norovirus	1
	Live bivalve molluscs - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	2	Gram	Not Available	10	5	Norovirus	5
		25	Gram	Not Available	1	1	Norovirus	1	
	Live echinoderms, tunicates and gastropods - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	Not Available	6	0	Norovirus	0
	Molluscan shellfish - raw - frozen - Retail - Not Available - food sample - Monitoring - Official sampling - Selective sampling	single (food/food)	65	Gram	Not Available	2	1	Norovirus	1
	Vegetables - non-pre-cut - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	Not Available	10	0	Norovirus	0
	Vegetables - pre-cut - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	Not Available	6	0	Norovirus	0
	Vegetables - Retail - Not Available - food sample - Monitoring - Official sampling - Selective sampling	single (food/food)	25	Gram	Not Available	1	0	Calicivirus	0

Table Campylobacter:CAMPYLOBACTER in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Method	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
SPAIN	Cattle (bovine animals) - calves (under 1 year) - Slaughterhouse - Spain - animal sample - caecum - Monitoring - active - Official sampling - Objective sampling	Not Available	slaughter animal batch	384	222	Campylobacter coli	49
						Campylobacter jejuni	173
	Pigs - fattening pigs - Slaughterhouse - Spain - animal sample - caecum - Monitoring - active - Official sampling - Objective sampling	Not Available	slaughter animal batch	384	181	Campylobacter coli	176
						Campylobacter jejuni	5

Table Campylobacter:CAMPYLOBACTER in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Not Available	16	0	Campylobacter	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Not Available	2	0	Campylobacter	0
	Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	4	0	Campylobacter	0
	Cheeses made from goats' milk - hard - made from raw or low heat-treated milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	2	0	Campylobacter	0
	Cheeses, made from unspecified milk or other animal milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	5	0	Campylobacter	0
	Cheeses, made from unspecified milk or other animal milk - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/feeding)	25	Gram	Not Available	1	0	Campylobacter	0
	Cheeses, made from unspecified milk or other animal milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	3	0	Campylobacter	0
	Cheeses, made from unspecified milk or other animal milk - unspecified - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	1	0	Campylobacter	0
	Egg products - ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/feeding)	25	Gram	Not Available	1	0	Campylobacter	0
	Eggs - Packing centre - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Not Available	1	0	Campylobacter	0
	Eggs - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Not Available	12	0	Campylobacter	0
	Eggs - table eggs - Packing centre - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Not Available	10	0	Campylobacter	0
	Eggs - table eggs - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	1	0	Campylobacter	0
	Fruits and vegetables - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/feeding)	25	Gram	Not Available	1	0	Campylobacter	0
	Meat from bovine animals - carcase - Slaughterhouse - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	22	0	Campylobacter	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Not Available	6	0	Campylobacter	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Not Available	10	1	Campylobacter, unspecified sp.	1
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	1	0	Campylobacter	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	2	0	Campylobacter	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	5	0	Campylobacter	0
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Not Available	6	0	Campylobacter	0
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Not Available	2	1	Campylobacter Campylobacter jejuni	0 1
	Meat from broilers (Gallus gallus) - carcase - chilled - Slaughterhouse - Not Available - food sample - neck skin - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	slaughter animal batch	25	Gram	Not Available	38	9	Campylobacter, unspecified sp.	9

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from broilers (Gallus gallus) - carcase - chilled - Slaughterhouse - Not Available - Not Available - Surveillance - based on Regulation 2073 - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	114	40	Campylobacter	40
	Meat from broilers (Gallus gallus) - carcase - chilled - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Not specified	slaughter animal batch	50	Gram	Detection method presence in x g	21	10	Campylobacter, unspecified sp.	10
	Meat from broilers (Gallus gallus) - carcase - chilled - Slaughterhouse - Spain - food sample - neck skin - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/feeder)	25	Gram	ISO 10272-2:2017 Campylobacter	150	150	Campylobacter coli	11
								Campylobacter jejuni	95
								Campylobacter, unspecified sp.	44
	Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeder)	25	Gram	Not Available	20	11	Campylobacter coli	6
								Campylobacter jejuni	5
	Meat from broilers (Gallus gallus) - fresh - frozen - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	5	0	Campylobacter	0
	Meat from broilers (Gallus gallus) - fresh - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	8	4	Campylobacter, unspecified sp.	4
	Meat from broilers (Gallus gallus) - fresh - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	single (food/feeder)	100	Gram	Not Available	7	0	Campylobacter	0
	Meat from broilers (Gallus gallus) - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeder)	25	Gram	ISO 10272-1:2006 Campylobacter	75	29	Campylobacter coli	15
								Campylobacter jejuni	14
	Meat from broilers (Gallus gallus) - fresh - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	2	0	Campylobacter	0
	Meat from broilers (Gallus gallus) - fresh - Retail - Not Available - Not Available - Surveillance - Official sampling - Suspect sampling	single (food/feeder)	25	Gram	Not Available	1	0	Campylobacter	0
	Meat from broilers (Gallus gallus) - fresh - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeder)	150	Gram	Not Available	125	94	Campylobacter coli	22
								Campylobacter jejuni	72
	Meat from broilers (Gallus gallus) - fresh - Wholesale - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	single (food/feeder)	100	Gram	Not Available	8	5	Campylobacter, unspecified sp.	5
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feeder)	50	Gram	ISO 10272-1:2006 Campylobacter	2	1	Campylobacter, unspecified sp.	1
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	4	2	Campylobacter, unspecified sp.	2
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	1	0	Campylobacter	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feeder)	25	Gram	Not Available	2	0	Campylobacter	0
	Meat from broilers (Gallus gallus) - meat preparation - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	single (food/feeder)	100	Gram	Not Available	1	1	Campylobacter, unspecified sp.	1
	Meat from broilers (Gallus gallus) - meat preparation - Wholesale - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	single (food/feeder)	100	Gram	Not Available	2	1	Campylobacter, unspecified sp.	1
	Meat from broilers (Gallus gallus) - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feeder)	50	Gram	ISO 10272-1:2006 Campylobacter	14	5	Campylobacter, unspecified sp.	5
	Meat from broilers (Gallus gallus) - minced meat - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	2	1	Campylobacter, unspecified sp.	1
	Meat from broilers (Gallus gallus) - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	5	2	Campylobacter, unspecified sp.	2
	Meat from broilers (Gallus gallus) - offal - liver - frozen - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	1	0	Campylobacter	0
	Meat from duck - carcase - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feeder)	50	Gram	ISO 10272-1:2006 Campylobacter	8	1	Campylobacter, unspecified sp.	1
	Meat from duck - fresh - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feeder)	50	Gram	ISO 10272-1:2006 Campylobacter	4	1	Campylobacter, unspecified sp.	1

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from goat - carcass - Slaughterhouse - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	4	0	Campylobacter	0
	Meat from horse - fresh - chilled - Slaughterhouse - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeder)	25	Gram	Not Available	20	0	Campylobacter	0
	Meat from other animal species or not specified - minced meat - intended to be eaten cooked - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feeder)	25	Gram	Not Available	1	0	Campylobacter	0
	Meat from other poultry species - carcass - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feeder)	50	Gram	ISO 10272-1:2006 Campylobacter	32	15	Campylobacter, unspecified sp.	15
	Meat from other poultry species - carcass - chilled - Slaughterhouse - Not Available - food sample - Surveillance - Official sampling - Selective sampling	slaughter animal batch	25	Gram	Not Available	2	0	Campylobacter	0
	Meat from other poultry species - fresh - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feeder)	50	Gram	ISO 10272-1:2006 Campylobacter	4	1	Campylobacter, unspecified sp.	1
	Meat from other poultry species - meat preparation - Processing plant - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch (food/feeder)	150	Gram	ISO 10272-1:2006 Campylobacter	6	6	Campylobacter coli	2
Campylobacter jejuni								4	
	Meat from other poultry species - meat preparation - Retail - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch (food/feeder)	150	Gram	ISO 10272-1:2006 Campylobacter	30	8	Campylobacter coli	5
Campylobacter jejuni								3	
	Meat from other poultry species - meat preparation - Wholesale - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch (food/feeder)	150	Gram	ISO 10272-1:2006 Campylobacter	1	1	Campylobacter coli	1
	Meat from pig - carcass - Slaughterhouse - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	47	4	Campylobacter, unspecified sp.	4
	Meat from pig - fresh - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feeder)	25	Gram	Not Available	5	0	Campylobacter	0
	Meat from pig - fresh - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feeder)	25	Gram	Not Available	4	0	Campylobacter	0
	Meat from pig - fresh - Slaughterhouse - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feeder)	25	Gram	Not Available	2	0	Campylobacter	0
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	2	0	Campylobacter	0
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeder)	25	Gram	Not Available	10	0	Campylobacter	0
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	5	1	Campylobacter, unspecified sp.	1
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	1	0	Campylobacter	0
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	1	0	Campylobacter	0
	Meat from pig - meat preparation - intended to be eaten cooked - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feeder)	25	Gram	Not Available	1	0	Campylobacter	0
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feeder)	25	Gram	Not Available	9	1	Campylobacter, unspecified sp.	1
	Meat from pig - meat products - cooked ham - sliced - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/feeder)	25	Gram	Not Available	1	0	Campylobacter	0
	Meat from pig - meat products - cooked, ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	9	0	Campylobacter	0
	Meat from pig - meat products - fermented sausages - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	4	0	Campylobacter	0
	Meat from pig - meat products - fermented sausages - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	20	1	Campylobacter, unspecified sp.	1
	Meat from pig - meat products - fresh raw sausages - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	7	1	Campylobacter, unspecified sp.	1

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from pig - meat products - fresh raw sausages - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	20	0	Campylobacter	0
	Meat from pig - meat products - meat specialities - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	13	0	Campylobacter	0
	Meat from pig - meat products - meat specialities - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	7	0	Campylobacter	0
	Meat from pig - meat products - meat specialities - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Campylobacter	0
	Meat from pig - meat products - meat specialities - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	12	0	Campylobacter	0
	Meat from pig - meat products - raw but intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Campylobacter	0
	Meat from pig - minced meat - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Campylobacter	0
	Meat from pig - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	4	0	Campylobacter	0
	Meat from pig - minced meat - intended to be eaten cooked - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	1	Campylobacter, unspecified sp.	1
	Meat from poultry, unspecified - carcass - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	ISO 10272-1:2006 Campylobacter	14	4	Campylobacter, unspecified sp.	4
	Meat from poultry, unspecified - carcass - Slaughterhouse - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	3	1	Campylobacter, unspecified sp.	1
	Meat from poultry, unspecified - fresh - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Campylobacter	0
	Meat from poultry, unspecified - fresh - Slaughterhouse - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Campylobacter	0
	Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	50	Gram	Not Available	1	0	Campylobacter	0
	Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	50	Gram	Not Available	7	3	Campylobacter, unspecified sp.	3
	Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	14	2	Campylobacter coli	1
								Campylobacter jejuni	1
	Meat from poultry, unspecified - meat preparation - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	50	Gram	Detection method presence in x g	1	0	Campylobacter	0
	Meat from rabbit - carcass - chilled - Slaughterhouse - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	8	0	Campylobacter	0
	Meat from sheep - carcass - Slaughterhouse - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	22	2	Campylobacter, unspecified sp.	2
	Meat from sheep - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	15	4	Campylobacter coli	2
								Campylobacter jejuni	2
	Meat from sheep - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	4	0	Campylobacter	0
	Meat from sheep - fresh - Processing plant - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	150	Gram	ISO 10272-1:2006 Campylobacter	4	2	Campylobacter coli	1
								Campylobacter jejuni	1
	Meat from sheep - fresh - Retail - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	150	Gram	ISO 10272-1:2006 Campylobacter	20	6	Campylobacter coli	1
								Campylobacter jejuni	4
								Campylobacter, unspecified sp.	1
	Meat from sheep - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	10	4	Campylobacter, unspecified sp.	4

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from sheep - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	Not Available	10	0	Campylobacter	0
	Meat from spent hens (Gallus gallus) - fresh - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feed)	50	Gram	ISO 10272-1:2006 Campylobacter	2	1	Campylobacter, unspecified sp.	1
	Meat from turkey - carcass - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feed)	50	Gram	ISO 10272-1:2006 Campylobacter	12	5	Campylobacter, unspecified sp.	5
	Meat from turkey - carcass - chilled - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Not specified	slaughter animal batch	50	Gram	Detection method presence in x g	4	1	Campylobacter, unspecified sp.	1
	Meat from turkey - fresh - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feed)	50	Gram	ISO 10272-1:2006 Campylobacter	78	21	Campylobacter, unspecified sp.	21
	Meat from turkey - fresh - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	50	Gram	ISO 10272-1:2006 Campylobacter	2	1	Campylobacter, unspecified sp.	1
	Meat from turkey - fresh - chilled - Slaughterhouse - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	Not Available	10	6	Campylobacter Campylobacter coli	0 6
	Meat from turkey - fresh - chilled - Slaughterhouse - Not Available - food sample - Surveillance - Official sampling - Selective sampling	slaughter animal batch	25	Gram	Not Available	9	0	Campylobacter	0
	Meat from turkey - meat products - preserved - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	Not Available	7	0	Campylobacter	0
	Meat from turkey - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feed)	50	Gram	ISO 10272-1:2006 Campylobacter	4	1	Campylobacter, unspecified sp.	1
	Meat from turkey - meat products - raw but intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feed)	50	Gram	ISO 10272-1:2006 Campylobacter	2	1	Campylobacter, unspecified sp.	1
	Meat from turkey - minced meat - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	Not Available	1	0	Campylobacter	0
	Meat, mixed meat - meat products - fresh raw sausages - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feed)	50	Gram	ISO 10272-1:2006 Campylobacter	6	1	Campylobacter, unspecified sp.	1
	Meat, mixed meat - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feed)	50	Gram	ISO 10272-1:2006 Campylobacter	2	0	Campylobacter	0
	Meat, mixed meat - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	Not Available	1	0	Campylobacter	0
	Milk, cows' - raw milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Millilitre	Not Available	12	0	Campylobacter	0
	Milk, goats' - raw milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	Not Available	2	0	Campylobacter	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	Not Available	5	0	Campylobacter	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/feed)	25	Gram	Not Available	1	0	Campylobacter	0
	Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	Not Available	5	0	Campylobacter	0
	Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/feed)	25	Gram	Not Available	6	0	Campylobacter	0
	Other processed food products and prepared dishes - meat based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	Not Available	1	0	Campylobacter	0
	Other processed food products and prepared dishes - potato based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/feed)	25	Gram	Not Available	1	0	Campylobacter	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Monitoring - active - Official sampling - Suspect sampling	single (food/feed)	25	Gram	Not Available	8	0	Campylobacter	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Other processed food products and prepared dishes - unspecified - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	single (food/feed)	100	Gram	ISO 10272-1:2017 Campylobacter	20	1	Campylobacter, unspecified sp.	1
	Other processed food products and prepared dishes - unspecified - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	Not Available	2	0	Campylobacter	0
	Other processed food products and prepared dishes - unspecified - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/feed)	25	Gram	Not Available	1	0	Campylobacter	0
	Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	Not Available	5	1	Campylobacter, unspecified sp.	1
	Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/feed)	25	Gram	Not Available	3	0	Campylobacter	0
	Ready-to-eat salads - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	Not Available	2	0	Campylobacter	0
	Sauce and dressings - mayonnaise - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/feed)	25	Gram	Not Available	3	0	Campylobacter	0
	Sauce and dressings - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	Not Available	1	0	Campylobacter	0
	Sauce and dressings - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/feed)	25	Gram	Not Available	4	0	Campylobacter	0

Table Clostridium:CLOSTRIDIUM in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Other processed food products and prepared dishes - egg based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Spain - food sample - Surveillance - Official sampling - Suspect sampling	single (food/feed)	50	Gram	Microbiological tests	1	0	Clostridium	0
	Other processed food products and prepared dishes - pizza and pizza-like dishes - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	50	Gram	Microbiological tests	2	0	Clostridium	0
	Other processed food products and prepared dishes - unspecified - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	150	Gram	Not Available	74	0	Clostridium	0
	Other processed food products and prepared dishes - unspecified - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	150	Gram	Not Available	52	1	Clostridium perfringens	1
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	1	Gram	Not Available	30	0	Clostridium	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	1	Gram	Not Available	10	1	Clostridium spp., unspecified	1
	Other processed food products and prepared dishes - unspecified - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	single (food/feed)	150	Gram	Not Available	35	6	Clostridium perfringens	6
	Other processed food products and prepared dishes - unspecified - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	150	Gram	Not Available	3	0	Clostridium	0
	Other processed food products and prepared dishes - unspecified - Retail - Not Available - Not Available - Monitoring - Official sampling - Selective sampling	single (food/feed)	100	Gram	Not Available	12	2	Clostridium perfringens	2
	Other processed food products and prepared dishes - unspecified - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	150	Gram	Not Available	2	0	Clostridium	0
	Water - potable water - Retail - Not Available - Not Available - Monitoring - Official sampling - Selective sampling	single (food/feed)	100	Gram	Not Available	1	0	Clostridium	0

Table COXIELLA in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Method	Total units tested	Total units positive	N of clinical affected herds	Zoonoses	N of units positive
SPAIN	Cattle (bovine animals) - dairy cows - adult - Farm - Spain - animal sample - Monitoring - passive - Official sampling - Suspect sampling	herd/flock	PCR	23	3	3	Coxiella	3
	Goats - Farm - Spain - animal sample - Monitoring - passive - Official sampling - Suspect sampling	herd/flock	PCR	37	8	8	Coxiella	8
	Sheep - Farm - Spain - animal sample - Monitoring - passive - Official sampling - Suspect sampling	herd/flock	PCR	457	71	71	Coxiella	71

Table Cronobacter:CRONOBACTER in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Foodstuffs intended for special nutritional uses - dried dietary foods for special medical purposes intended for infants below 6 months - Retail - Not Available - Not Available - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/feed)	10	Gram	Not Available	1	0	Cronobacter	0
	Foodstuffs intended for special nutritional uses - other food for infants and children - Processing plant - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/feed)	100	Gram	Not Available	60	0	Cronobacter	0
	Infant formula - dried - intended for infants below 6 months - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Selective sampling	single (food/feed)	25	Gram	ISO 22964:2017 Cronobacter	3	0	Cronobacter	0
	Infant formula - dried - intended for infants below 6 months - Retail - Not Available - food sample - milk - Surveillance - based on Regulation 2073 - Official sampling - Selective sampling	single (food/feed)	10	Gram	Not Available	4	0	Cronobacter	0
	Infant formula - dried - intended for infants below 6 months - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/feed)	10	Gram	Not Available	31	0	Cronobacter	0
	Infant formula - dried - intended for infants below 6 months - Retail - Not Available - Not Available - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/feed)	25	Gram	Not Available	1	0	Cronobacter	0
	Infant formula - dried - intended for infants below 6 months - Retail - Not Available - Not Available - Surveillance - based on Regulation 2073 - Official sampling - Selective sampling	single (food/feed)	200	Gram	Not Available	10	0	Cronobacter	0
	Infant formula - dried - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/feed)	100	Gram	Not Available	8	0	Cronobacter	0
	Infant formula - dried - Retail - Not Available - Not Available - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/feed)	10	Gram	Not Available	2	0	Cronobacter	0
	Infant formula - dried - Retail - Not Available - Not Available - Surveillance - based on Regulation 2073 - Official sampling - Selective sampling	single (food/feed)	200	Gram	Not Available	10	0	Cronobacter	0
	Infant formula - dried - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/feed)	10	Gram	ISO 22964:2017 Cronobacter	6	0	Cronobacter	0
	Other processed food products and prepared dishes - unspecified - Retail - Spain - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/feed)	10	Gram	ISO 22964:2017 Cronobacter	1	0	Cronobacter	0

Table Cryptosporidium:CRYPTOSPORIDIUM in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Vegetables - non-pre-cut - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feerd)	25	Gram	Not Available	11	0	Cryptosporidium	0

Table Cysticercus:CYSTICERCUS in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Method	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Cattle (bovine animals) - Slaughterhouse - Not Available - animal sample - Monitoring - active - Official sampling - Objective sampling	Visual inspection	animal	97488	1	Cysticercus, unspecified sp.	1
	Cattle (bovine animals) - Slaughterhouse - Not Available - animal sample - Surveillance - Official sampling - Selective sampling	Visual inspection	animal	9931	0	Cysticercus	0
	Deer - wild - Hunting - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	Not Available	animal	42943	18	Cysticercus, unspecified sp.	18
	Goats - Slaughterhouse - Not Available - animal sample - Monitoring - active - Official sampling - Objective sampling	Visual inspection	animal	27206	475	Cysticercus, unspecified sp.	475
	Goats - Slaughterhouse - Not Available - animal sample - Surveillance - Official sampling - Selective sampling	Visual inspection	animal	35183	1417	Cysticercus of Taenia saginata	1,417
	Goats - Slaughterhouse - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	Not Available	animal	35998	6011	Cysticercus, unspecified sp.	6,011
	Goats - Slaughterhouse - Not Available - Not Available - Surveillance - Official, based on Regulation 854/2004 - Not specified	Not Available	animal	12821 9	6005	Cysticercus, unspecified sp.	6,005
	Pigs - breeding animals - unspecified - Slaughterhouse - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	Not Available	animal	67757 7	63	Cysticercus, unspecified sp.	63
	Pigs - fattening pigs - not raised under controlled housing conditions - Slaughterhouse - Not Available - animal sample - Monitoring - active - Official sampling - Objective sampling	Visual inspection	animal	10126 26	0	Cysticercus	0
	Pigs - Slaughterhouse - Spain - animal sample - Surveillance - Official sampling - Suspect sampling	Visual inspection	slaughter animal batch	13029 21	91	Cysticercus of Taenia solium	91
	Sheep - Slaughterhouse - Not Available - animal sample - Monitoring - active - Official sampling - Objective sampling	Visual inspection	animal	10517 3	2011	Cysticercus, unspecified sp.	2,011
	Sheep - Slaughterhouse - Not Available - animal sample - Surveillance - Official sampling - Selective sampling	Visual inspection	animal	9876	282	Cysticercus of Taenia saginata	282
	Sheep - Slaughterhouse - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	Not Available	animal	31379 6	20000	Cysticercus, unspecified sp.	20,000
	Sheep - Slaughterhouse - Not Available - Not Available - Surveillance - Official, based on Regulation 854/2004 - Not specified	Not Available	animal	13322 48	89675	Cysticercus, unspecified sp.	89,675
	Wild boars - Hunting - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	Not Available	animal	18854	6	Cysticercus, unspecified sp.	6

Table Echinococcus:ECHINOCOCCUS in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Method	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Cantabrian chamois - Game handling establishment - Spain - animal sample - Surveillance - Official sampling - Census	Visual inspection	animal	1	0	Echinococcus	0
	Cattle (bovine animals) - adult cattle over 2 years - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Suspect sampling	Visual inspection	animal	89835	5237	Echinococcus granulosus	5,237
	Cattle (bovine animals) - dairy cows - young cattle (1-2 years) - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Suspect sampling	Visual inspection	animal	327717	382	Echinococcus granulosus	382
	Cattle (bovine animals) - Slaughterhouse - Not Available - animal sample - Monitoring - active - Official sampling - Objective sampling	Not Available	animal	97488	482	Echinococcus, unspecified sp.	482
	Cattle (bovine animals) - Slaughterhouse - Not Available - Not Available - Monitoring - Official sampling - Census	Not Available	slaughter animal batch	397528	4003	Echinococcus granulosus	4,003
	Cattle (bovine animals) - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Not specified	Not Available	animal	91009	347	Echinococcus granulosus	347
	Cattle (bovine animals) - Slaughterhouse - Not Available - Not Available - Survey - national survey - Official sampling - Not specified	Not Available	slaughter animal batch	14787	8	Echinococcus, unspecified sp.	8
	Cattle (bovine animals) - Slaughterhouse - Spain - animal sample - organ/tissue - Monitoring - Official sampling - Objective sampling	Not Available	slaughter animal batch	517120	158	Echinococcus, unspecified sp.	158
	Cattle (bovine animals) - Slaughterhouse - Spain - animal sample - Surveillance - Official sampling - Census	Visual inspection	animal	12253	177	Echinococcus granulosus	177
				54729	19	Echinococcus	19
	Cattle (bovine animals) - Slaughterhouse - Spain - animal sample - Surveillance - Official sampling - Suspect sampling	Visual inspection	animal	208218	62	Echinococcus granulosus	62
	Cattle (bovine animals) - unspecified - Slaughterhouse - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	Not Available	animal	121131	3159	Echinococcus granulosus	3,159
	Cattle (bovine animals) - unspecified - Slaughterhouse - Not Available - Not Available - Survey - Official sampling - Census	Not Available	animal	43378	202	Echinococcus granulosus	202
	Deer - wild - fallow deer - Game handling establishment - Spain - animal sample - Surveillance - Official sampling - Census	Visual inspection	animal	80	0	Echinococcus	0
	Deer - wild - Game handling establishment - Not Available - Not Available - Surveillance - Official sampling - Not specified	Not Available	animal	105898	0	Echinococcus	0
	Deer - wild - Game handling establishment - Spain - animal sample - Surveillance - Official sampling - Census	Visual inspection	animal	88	0	Echinococcus	0
	Deer - wild - roe deer - Game handling establishment - Spain - animal sample - Surveillance - Official sampling - Census	Visual inspection	animal	2	0	Echinococcus	0
	Gallus gallus (fowl) - broilers - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Suspect sampling	Visual inspection	animal	61279841	0	Echinococcus	0
	Goats - animals over 1 year - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Suspect sampling	Visual inspection	animal	14235	1032	Echinococcus granulosus	1,032
	Goats - animals under 1 year - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Suspect sampling	Visual inspection	animal	114655	11	Echinococcus granulosus	11
	Goats - Slaughterhouse - Not Available - animal sample - Monitoring - active - Official sampling - Objective sampling	Not Available	animal	27206	0	Echinococcus	0
	Goats - Slaughterhouse - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	Not Available	animal	35998	5	Echinococcus granulosus	5
	Goats - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Convenient sampling	Visual inspection	animal	166726	625	Echinococcus granulosus	625
	Goats - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Not specified	Not Available	animal	128219	859	Echinococcus granulosus	859
				455829	11065	Echinococcus granulosus	11,065
	Goats - Slaughterhouse - Spain - animal sample - Surveillance - Official sampling - Census	Visual inspection	animal	4008	0	Echinococcus	0
	Pigs - breeding animals - unspecified - Slaughterhouse - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	Not Available	animal	677577	536	Echinococcus granulosus	536
	Pigs - fattening pigs - not raised under controlled housing conditions - Slaughterhouse - Not Available - animal sample - Monitoring - active - Official sampling - Objective sampling	Not Available	animal	1012626	0	Echinococcus	0
	Pigs - fattening pigs - not raised under controlled housing conditions - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Not specified	Not Available	animal	3445003	1459	Echinococcus granulosus	1,459
	Pigs - fattening pigs - not raised under controlled housing conditions - Slaughterhouse - Not Available - Not Available - Survey - Official sampling - Census	Not Available	animal	1094	0	Echinococcus	0
	Pigs - fattening pigs - not raised under controlled housing conditions - Slaughterhouse - Spain - animal sample - Surveillance - Official sampling - Census	Visual inspection	animal	45963	1	Echinococcus	1
	Pigs - mixed herds - unspecified - piglets - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Suspect sampling	Visual inspection	animal	1132249	0	Echinococcus	0
	Pigs - Slaughterhouse - Not Available - Not Available - Monitoring - Official sampling - Census	Not Available	slaughter animal batch	1012890	23	Echinococcus granulosus	23
	Pigs - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Not specified	Not Available	animal	3877444	1	Echinococcus granulosus	1
	Pigs - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Suspect sampling	Visual inspection	animal	6267138	593	Echinococcus granulosus	593
	Pigs - Unspecified - Not Available - Not Available - Surveillance - Official sampling - Not specified	Not Available	animal	1678	17	Echinococcus, unspecified sp.	17
	Pigs - wild - Game handling establishment - Not Available - Not Available - Surveillance - Official sampling - Not specified	Not Available	animal	74898	47	Echinococcus granulosus	47

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Method	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Rabbits - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Suspect sampling	Visual inspection	animal	72942 45	0	Echinococcus	0
	Sheep - animals over 1 year - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Suspect sampling	Visual inspection	animal	22087 9	11644	Echinococcus granulosus	11,644
	Sheep - animals under 1 year (lambs) - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Suspect sampling	Visual inspection	animal	29331 57	439	Echinococcus granulosus	439
	Sheep - Slaughterhouse - Not Available - animal sample - Monitoring - active - Official sampling - Objective sampling	Not Available	animal	10517 3	1049	Echinococcus, unspecified sp.	1,049
	Sheep - Slaughterhouse - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	Not Available	animal	31379 6	956	Echinococcus granulosus	956
	Sheep - Slaughterhouse - Not Available - Not Available - Monitoring - Official sampling - Census	Not Available	slaughte r animal batch	38524	64	Echinococcus granulosus	64
	Sheep - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Convenient sampling	Visual inspection	animal	79150 3	2340	Echinococcus granulosus	2,340
	Sheep - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Not specified	Not Available	animal	56374 8	9751	Echinococcus granulosus	9,751
				13322 48	16223	Echinococcus granulosus	16,223
	Sheep - Slaughterhouse - Not Available - Not Available - Survey - national survey - Official sampling - Not specified	Not Available	slaughte r animal batch	15499 2	8	Echinococcus, unspecified sp.	8
	Sheep - Slaughterhouse - Spain - animal sample - organ/tissue - Monitoring - Official sampling - Objective sampling	Not Available	slaughte r animal batch	12619 87	17	Echinococcus, unspecified sp.	17
	Sheep - Slaughterhouse - Spain - animal sample - Surveillance - Official sampling - Census	Visual inspection	animal	9840	1	Echinococcus	1
	Sheep and goats - Slaughterhouse - Not Available - Not Available - Survey - Official sampling - Census	Not Available	animal	1967	0	Echinococcus	0
	Solipeds, domestic - horses - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Suspect sampling	Visual inspection	animal	4371	0	Echinococcus	0
	Solipeds, domestic - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Not specified	Not Available	animal	687	0	Echinococcus	0
	Solipeds, domestic - Slaughterhouse - Not Available - Not Available - Survey - Official sampling - Census	Not Available	animal	3035	0	Echinococcus	0
	Solipeds, domestic - Slaughterhouse - Spain - animal sample - organ/tissue - Monitoring - Official sampling - Objective sampling	Not Available	slaughte r animal batch	5340	7	Echinococcus, unspecified sp.	7
	Solipeds, domestic - Slaughterhouse - Spain - animal sample - Surveillance - Official sampling - Census	Visual inspection	animal	3605	0	Echinococcus	0
	Wild animals - Hunting - Spain - animal sample - organ/tissue - Surveillance - Official sampling - Suspect sampling	Visual inspection	animal	14148	10	Echinococcus granulosus	10
	Wild boars - Hunting - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	Not Available	animal	18854	6	Echinococcus granulosus	6
	Wild boars - wild - Game handling establishment - Spain - animal sample - Surveillance - Official sampling - Census	Visual inspection	animal	257	0	Echinococcus	0

Table Enterococcus, non-pathogenic:ENTEROCOCCUS, NON-PATHOGENIC in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Infant formula - dried - intended for infants below 6 months - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/feed)	200	Gram	Not Available	10	0	Enterococcus, non-pathogenic	0
	Infant formula - dried - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/feed)	200	Gram	Not Available	10	0	Enterococcus, non-pathogenic	0

Table Enterococcus, pathogenic:ENTEROCOCCUS, PATHOGENIC in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Other processed food products and prepared dishes - unspecified - Retail - Not Available - Not Available - Monitoring - Official sampling - Selective sampling	single (food/feed)	100	Gram	Not Available	2	1	Enterococcus, pathogenic - Enterococcus spp., unspecified	1
	Water - potable water - Retail - Not Available - Not Available - Monitoring - Official sampling - Selective sampling	single (food/feed)	100	Gram	Not Available	1	1	Enterococcus, pathogenic - Enterococcus spp., unspecified	1

Table Erysipelothrix:ERYSIPELOTHRIX in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Method	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Pigs - breeding animals - not raised under controlled housing conditions - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official sampling - Convenient sampling	Visual inspection	animal	3817566	193	Erysipelothrix rhusiopathiae	193
	Pigs - Slaughterhouse - Spain - animal sample - Surveillance - Official sampling - Suspect sampling	Morphological identification	slaughter animal batch	1302921	37	Erysipelothrix rhusiopathiae	37

Table Escherichia coli:ESCHERICHIA COLI in animal

Area of sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Method	total units tested	total units positive	Zoonoses	ANTH	VTX	AG	N units positive
SPAIN	Cattle (bovine animals) - calves (under 1 year) - Slaughterhouse - Spain - animal sample - caecum - Monitoring - EFSA specifications - Official sampling - Objective sampling	slaughter animal batch	Not Available	In house real time PCR methods based on ISO/TS 13136:2012	108	40	VTEC O157	Not Available	Verotoxin production, toxin type unknown	eae positive	40

Table Escherichia coli:ESCHERICHIA COLI in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Live bivalve molluscs - oysters - depurated - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	1000	Gram	Not Available	2	0	Escherichia coli	0
	Meat from poultry, unspecified - carcass - chilled - Processing plant - Not Available - Not Available - Monitoring - Official sampling - Suspect sampling	single (food/feed)	100	Gram	Not Available	5	0	Escherichia coli	0
	Molluscan shellfish - Processing plant - Not Available - Not Available - Monitoring - Official sampling - Suspect sampling	single (food/feed)	100	Gram	Not Available	28	0	Escherichia coli	0
	Other processed food products and prepared dishes - pizza and pizza-like dishes - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	50	Gram	Microbiological tests	2	0	Escherichia coli	0
	Other processed food products and prepared dishes - unspecified - Retail - Not Available - Not Available - Monitoring - Official sampling - Selective sampling	single (food/feed)	100	Gram	Not Available	54	0	Escherichia coli	0
	Water - potable water - Retail - Not Available - Not Available - Monitoring - Official sampling - Selective sampling	single (food/feed)	100	Gram	Not Available	1	0	Escherichia coli	0

Area of sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	total units tested	total units positive	Zoonoses	ANTH	VTX	AG	N units positive
Not Available	Cheeses made from goats' milk - unspecified - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	4	1	VTEC O113	H4	VT1, gene identified, subtype unspecified	eae negative	1
	Cheeses made from goats' milk - unspecified - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	125	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Cheeses made from sheep's milk - hard - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	125	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Cheeses made from sheep's milk - unspecified - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	3	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Cheeses made from sheep's milk - unspecified - made from raw or low heat-treated milk - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	1	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Dairy products (excluding cheeses) - yoghurt - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	1	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Fruits - pre-cut - ready-to-eat - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Fruits and vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	5	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Fruits and vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	10	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Fruits and vegetables - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	15	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Juice - vegetable juice - unpasteurised - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feed)	25	Millilitre	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Juice - vegetable juice - unpasteurised - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feed)	25	Millilitre	In house real time PCR methods based on ISO/TS 13136:2012	13	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from bovine animals - carcass - chilled - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	10	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from bovine animals - carcass - Slaughterhouse - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	6	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	3	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	5	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0

Area of sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	total units tested	total units positive	Zoonoses	ANTH	VTX	AG	N units positive
Not Available	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	10	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	2	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	7	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	8	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from bovine animals - meat preparation - intended to be eaten raw - chilled - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/feed)	150	Gram	In house real time PCR methods based on ISO/TS 13136:2012	8	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from bovine animals - meat preparation - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feed)	100	Gram	In house real time PCR methods based on ISO/TS 13136:2012	6	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from bovine animals - meat preparation - Retail - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch (food/feed)	100	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	32	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from bovine animals - meat preparation - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	single (food/feed)	100	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	2	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from bovine animals - meat preparation - Wholesale - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	single (food/feed)	100	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	4	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from bovine animals - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feed)	50	Gram	In house real time PCR methods based on ISO/TS 13136:2012	7	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	2	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feed)	50	Gram	In house real time PCR methods based on ISO/TS 13136:2012	2	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	7	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	10	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	3	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0

Area of sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	total units tested	total units positive	Zoonoses	ANTH	VTX	AG	N units positive
Not Available	Meat from bovine animals - minced meat - intended to be eaten cooked - frozen - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - frozen - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from bovine animals - minced meat - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feed)	100	Gram	In house real time PCR methods based on ISO/TS 13136:2012	4	1	VTEC, unspecified	Not Available	Verotoxin production, toxin type unknown	eae positive	1
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	7	1	VTEC O157	Not Available	VT1, gene identified, subtype unspecified	eae negative	1
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	2	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from bovine animals and pig - meat preparation - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	150	Gram	In house real time PCR methods based on ISO/TS 13136:2012	10	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from bovine animals and pig - meat preparation - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	150	Gram	In house real time PCR methods based on ISO/TS 13136:2012	80	1	VTEC O157	Not Available	Verotoxin production, toxin type unknown	eae positive	1
	Meat from bovine animals and pig - meat products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feed)	50	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	10	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	2	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	4	1	VTEC O157	Not Available	Verotoxin production, toxin type unknown	Adhesion genes not investigated	1
	Meat from broilers (Gallus gallus) - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feed)	50	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from broilers (Gallus gallus) - minced meat - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	2	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from broilers (Gallus gallus) - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	3	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from goat - carcase - chilled - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	5	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from horse - fresh - chilled - Slaughterhouse - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	10	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0

Area of sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	total units tested	total units positive	Zoonoses	ANTH	VTX	AG	N units positive
Not Available	Meat from horse - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	1	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from other animal species or not specified - meat preparation - intended to be eaten cooked - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	1	Gram	In house real time PCR methods based on ISO/TS 13136:2012	25	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from other animal species or not specified - meat preparation - intended to be eaten cooked - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	1	Gram	In house real time PCR methods based on ISO/TS 13136:2012	4	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from other animal species or not specified - meat preparation - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feed)	100	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from other animal species or not specified - meat preparation - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	1	Gram	In house real time PCR methods based on ISO/TS 13136:2012	12	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from other animal species or not specified - meat preparation - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feed)	100	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from pig - carcass - chilled - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	5	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from pig - fresh - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feed)	100	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	2	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	6	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	5	1	VTEC O157	Not Available	Verotoxin production, toxin type unknown	Adhesion genes investigation not reported	1
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	5	1	VTEC O157	Not Available	Verotoxin production, toxin type unknown	Adhesion genes not investigated	1
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	2	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from pig - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	30	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from pig - meat preparation - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feed)	100	Gram	In house real time PCR methods based on ISO/TS 13136:2012	34	6	VTEC, unspecified	Not Available	Verotoxin production, toxin type unknown	eeae positive	6
	Meat from pig - meat preparation - Wholesale - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	single (food/feed)	100	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	1	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0

Area of sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	total units tested	total units positive	Zoonoses	ANTH	VTX	AG	N units positive
Not Available	Meat from pig - meat products - cooked, ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	9	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from pig - meat products - fermented sausages - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	15	10	VTEC, unspecified	Not Available	Verotoxin production, toxin type unknown	eae positive	10
	Meat from pig - meat products - fermented sausages - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	52	1	VTEC O157	Not Available	Verotoxin production, toxin type unknown	Adhesion genes not investigated	1
	Meat from pig - meat products - fresh raw sausages - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	5	1	VTEC O157	Not Available	Verotoxin production, toxin type unknown	Adhesion genes not investigated	1
	Meat from pig - meat products - fresh raw sausages - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feed)	50	Gram	In house real time PCR methods based on ISO/TS 13136:2012	2	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from pig - meat products - fresh raw sausages - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	20	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from pig - meat products - meat specialities - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	11	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from pig - meat products - meat specialities - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	7	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from pig - meat products - meat specialities - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from pig - meat products - meat specialities - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	12	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from pig - meat products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feed)	100	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from pig - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feed)	50	Gram	In house real time PCR methods based on ISO/TS 13136:2012	7	1	VTEC, unspecified	Not Available	Verotoxin production, toxin type unknown	Adhesion genes not investigated	1
	Meat from pig - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	5	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from pig - meat products - raw but intended to be eaten cooked - frozen - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from pig - meat products - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	30	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from pig - minced meat - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from pig - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	4	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0

Area of sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	total units tested	total units positive	Zoonoses	ANTH	VTX	AG	N units positive
Not Available	Meat from pig - minced meat - intended to be eaten cooked - chilled - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from pig - minced meat - intended to be eaten cooked - frozen - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from pig - minced meat - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	3	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from pig - minced meat - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feed)	100	Gram	In house real time PCR methods based on ISO/TS 13136:2012	3	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	14	1	VTEC O157	Not Available	Verotoxin production, toxin type unknown	Adhesion genes investigation not reported	1
	Meat from poultry, unspecified - meat preparation - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feed)	100	Gram	In house real time PCR methods based on ISO/TS 13136:2012	11	1	VTEC, unspecified	Not Available	Verotoxin production, toxin type unknown	eae positive	1
	Meat from poultry, unspecified - meat products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feed)	100	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from rabbit - carcase - chilled - Slaughterhouse - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	4	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from sheep - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	10	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from sheep - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	5	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from turkey - fresh - chilled - Slaughterhouse - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	10	1	VTEC O157	Not Available	Verotoxin production, toxin type unknown	Adhesion genes investigation not reported	1
	Meat from turkey - meat preparation - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feed)	100	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from turkey - meat products - preserved - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	9	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from turkey - minced meat - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat, mixed meat - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat, mixed meat - meat preparation - intended to be eaten cooked - chilled - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat, mixed meat - meat products - fresh raw sausages - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feed)	50	Gram	In house real time PCR methods based on ISO/TS 13136:2012	3	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0

Area of sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	total units tested	total units positive	Zoonoses	ANTH	VTX	AG	N units positive
Not Available	Meat, mixed meat - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feed)	50	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Milk, cows' - extended shelf life milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	1	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Milk, cows' - pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	1	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Milk, cows' - raw milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	6	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Other processed food products and prepared dishes - meat based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	3	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Other processed food products and prepared dishes - pizza and pizza-like dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	3	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Other processed food products and prepared dishes - pizza and pizza-like dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Other processed food products and prepared dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	1	Gram	In house real time PCR methods based on ISO/TS 13136:2012	13	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Other processed food products and prepared dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	1	Gram	In house real time PCR methods based on ISO/TS 13136:2012	9	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
			25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Ready-to-eat salads - Packing centre - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Ready-to-eat salads - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	4	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Ready-to-eat salads - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	8	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Ready-to-eat salads - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	14	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Sauce and dressings - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	4	0	Verocytotoxin genic E. coli (VTEC)	Not Available	Not Available	Not Available	0

Area of sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	total units tested	total units positive	Zoonoses	ANTH	VTX	AG	N units positive
Not Available	Seeds, sprouted - ready-to-eat - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/feed)	75	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	6	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Seeds, sprouted - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	16	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Seeds, sprouted - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	7	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Seeds, sprouted - ready-to-eat - Wholesale - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/feed)	75	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	9	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Seeds, sprouted - ready-to-eat - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	7	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Seeds, sprouted - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feed)	40	Gram	In house real time PCR methods based on ISO/TS 13136:2012	15	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Vegetables - bean - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	2	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Vegetables - pre-cut - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	5	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	23	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Vegetables - pre-cut - ready-to-eat - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feed)	26	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Vegetables - pre-cut - ready-to-eat - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/feed)	150	Gram	In house real time PCR methods based on ISO/TS 13136:2012	10	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Vegetables - products - dried - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	1	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Vegetables - products - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	1	Gram	In house real time PCR methods based on ISO/TS 13136:2012	2	0	Verocytotoxin E. coli (VTEC)	Not Available	Not Available	Not Available	0

Table *Escherichia coli*, non-pathogenic:ESCHERICHIA COLI, NON-PATHOGENIC in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Bakery products - cakes - containing heat-treated cream - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	Not Available	12	0	Escherichia coli, non-pathogenic	0
	Bakery products - cakes - containing heat-treated cream - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	50	Gram	Not Available	3	0	Escherichia coli, non-pathogenic	0
	Cheeses made from cows' milk - soft and semi-soft - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	100	Gram	Not Available	71	3	Escherichia coli, non-pathogenic, unspecified	3
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	50	Gram	Not Available	13	0	Escherichia coli, non-pathogenic	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	50	Gram	Not Available	14	0	Escherichia coli, non-pathogenic	0
	Cheeses, made from unspecified milk or other animal milk - fresh - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	10	Gram	Not Available	1	0	Escherichia coli, non-pathogenic	0
	Cheeses, made from unspecified milk or other animal milk - unspecified - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	10	Gram	Not Available	178	0	Escherichia coli, non-pathogenic	0
	Crustaceans - prawns - shelled, shucked and cooked - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	50	Gram	Not Available	7	0	Escherichia coli, non-pathogenic	0
	Crustaceans - prawns - shelled, shucked and cooked - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	50	Gram	Not Available	2	0	Escherichia coli, non-pathogenic	0
	Dairy products (excluding cheeses) - dairy desserts - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	Not Available	6	0	Escherichia coli, non-pathogenic	0
	Fishery products, unspecified - cooked - Processing plant - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	125	Gram	Not Available	8	0	Escherichia coli, non-pathogenic	0
	Fruits - pre-cut - chilled - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	1	Gram	Not Available	21	0	Escherichia coli, non-pathogenic	0
	Fruits - pre-cut - Processing plant - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	150	Gram	Not Available	2	0	Escherichia coli, non-pathogenic	0
	Fruits and vegetables - pre-cut - ready-to-eat - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	50	Gram	Not Available	5	0	Escherichia coli, non-pathogenic	0
	Fruits and vegetables - pre-cut - ready-to-eat - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	50	Gram	Not Available	2	0	Escherichia coli, non-pathogenic	0
	Juice - fruit juice - Processing plant - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	150	Gram	Not Available	4	0	Escherichia coli, non-pathogenic	0
	Juice - fruit juice - unpasteurised - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	50	Gram	Not Available	4	0	Escherichia coli, non-pathogenic	0
	Juice - fruit juice - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	1	Gram	Not Available	6	0	Escherichia coli, non-pathogenic	0
	Juice - mixed juice - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	1	Gram	Not Available	6	0	Escherichia coli, non-pathogenic	0
	Live bivalve molluscs - Conservation facilities - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	50	Gram	Not Available	16	0	Escherichia coli, non-pathogenic	0
	Live bivalve molluscs - mussels - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	1	Gram	Not Available	3	0	Escherichia coli, non-pathogenic	0
	Live bivalve molluscs - mussels - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	1	Gram	Not Available	10	0	Escherichia coli, non-pathogenic	0
	Live bivalve molluscs - mussels - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	1	Gram	Not Available	8	1	Escherichia coli, non-pathogenic	1

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Live bivalve molluscs - oysters - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	1	Gram	Not Available	2	0	Escherichia coli, non-pathogenic	0
	Live bivalve molluscs - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	50	Gram	Not Available	3	0	Escherichia coli, non-pathogenic	0
	Live bivalve molluscs - unspecified - depurated - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	Not Available	7	0	Escherichia coli, non-pathogenic	0
	Live bivalve molluscs - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	1	Gram	Not Available	1	0	Escherichia coli, non-pathogenic	0
	Live echinoderms, tunicates and gastropods - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	1	Gram	Not Available	6	0	Escherichia coli, non-pathogenic	0
	Meat from bovine animals - fresh - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	10	Gram	Not Available	13	0	Escherichia coli, non-pathogenic	0
	Meat from bovine animals - fresh - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	150	Gram	Not Available	17	0	Escherichia coli, non-pathogenic	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	150	Gram	Not Available	80	2	Escherichia coli, non-pathogenic, unspecified	2
	Meat from bovine animals - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	10	Gram	Not Available	15	0	Escherichia coli, non-pathogenic	0
	Meat from bovine animals - meat preparation - Processing plant - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	100	Gram	Not Available	5	0	Escherichia coli, non-pathogenic	0
	Meat from bovine animals - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	Not Available	7	0	Escherichia coli, non-pathogenic	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	150	Gram	Not Available	80	0	Escherichia coli, non-pathogenic	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	Not Available	1	0	Escherichia coli, non-pathogenic	0
	Meat from bovine animals - minced meat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	10	Gram	Not Available	10	0	Escherichia coli, non-pathogenic	0
	Meat from bovine animals and pig - meat products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	Not Available	1	0	Escherichia coli, non-pathogenic	0
	Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	150	Gram	Not Available	8	0	Escherichia coli, non-pathogenic	0
	Meat from broilers (Gallus gallus) - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	75	52	Escherichia coli, non-pathogenic, unspecified	52
	Meat from broilers (Gallus gallus) - fresh - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	150	Gram	Not Available	12	7	Escherichia coli, non-pathogenic, unspecified	7
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	Not Available	1	0	Escherichia coli, non-pathogenic	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	10	Gram	Not Available	35	0	Escherichia coli, non-pathogenic	0
	Meat from broilers (Gallus gallus) - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	Not Available	7	0	Escherichia coli, non-pathogenic	0
	Meat from other animal species or not specified - mechanically separated meat (MSM) - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	10	Gram	Not Available	5	0	Escherichia coli, non-pathogenic	0
	Meat from other poultry species - meat preparation - Processing plant - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	150	Gram	Not Available	6	0	Escherichia coli, non-pathogenic	0
	Meat from other poultry species - meat products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	50	Gram	Not Available	1	0	Escherichia coli, non-pathogenic	0
	Meat from other poultry species - meat products - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	50	Gram	Not Available	7	1	Escherichia coli, non-pathogenic, unspecified	1

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from pig - fresh - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	10	Gram	Not Available	14	0	Escherichia coli, non-pathogenic	0
	Meat from pig - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	10	Gram	Not Available	60	5	Escherichia coli, non-pathogenic, unspecified	5
	Meat from pig - fresh - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	150	Gram	Not Available	17	3	Escherichia coli, non-pathogenic, unspecified	3
	Meat from pig - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	10	Gram	Not Available	25	0	Escherichia coli, non-pathogenic	0
	Meat from pig - meat preparation - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	10	Gram	Not Available	5	0	Escherichia coli, non-pathogenic	0
	Meat from pig - meat products - fresh raw sausages - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	Not Available	2	0	Escherichia coli, non-pathogenic	0
	Meat from pig - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	Not Available	7	0	Escherichia coli, non-pathogenic	0
	Meat from pig - minced meat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	10	Gram	Not Available	36	0	Escherichia coli, non-pathogenic	0
	Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	50	Gram	Not Available	4	0	Escherichia coli, non-pathogenic	0
	Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	50	Gram	Not Available	27	0	Escherichia coli, non-pathogenic	0
	Meat from poultry, unspecified - minced meat - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	10	Gram	Not Available	10	0	Escherichia coli, non-pathogenic	0
	Meat from poultry, unspecified - minced meat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	10	Gram	Not Available	25	0	Escherichia coli, non-pathogenic	0
	Meat from turkey - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	Not Available	2	0	Escherichia coli, non-pathogenic	0
	Meat from turkey - minced meat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	10	Gram	Not Available	10	0	Escherichia coli, non-pathogenic	0
	Meat, mixed meat - meat products - fresh raw sausages - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	Not Available	4	0	Escherichia coli, non-pathogenic	0
	Meat, mixed meat - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	Not Available	1	0	Escherichia coli, non-pathogenic	0
	Molluscan shellfish - cooked - chilled - Conservation facilities - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	Not Available	1	0	Escherichia coli, non-pathogenic	0
	Molluscan shellfish - raw - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	250	Gram	Not Available	170	7	Escherichia coli, non-pathogenic, unspecified	7
	Molluscan shellfish - raw - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	1	Gram	Not Available	160	45	Escherichia coli, non-pathogenic, unspecified	45
	Molluscan shellfish - shelled, shucked and cooked - frozen - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	150	Gram	Not Available	40	0	Escherichia coli, non-pathogenic	0
	Other processed food products and prepared dishes - egg based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	Not Available	3	0	Escherichia coli, non-pathogenic	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	Not Available	9	0	Escherichia coli, non-pathogenic	0
	Other processed food products and prepared dishes - legumes based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	Not Available	2	0	Escherichia coli, non-pathogenic	0
	Other processed food products and prepared dishes - meat based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	Not Available	12	0	Escherichia coli, non-pathogenic	0
	Other processed food products and prepared dishes - mushroom based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	Not Available	1	0	Escherichia coli, non-pathogenic	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Other processed food products and prepared dishes - potato based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feed)	50	Gram	Not Available	35	0	Escherichia coli, non-pathogenic	0
	Other processed food products and prepared dishes - rice based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feed)	50	Gram	Not Available	1	0	Escherichia coli, non-pathogenic	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Monitoring - active - Official sampling - Suspect sampling	single (food/feed)	1	Gram	Not Available	60	1	Escherichia coli, non-pathogenic, unspecified	1
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	1	Gram	Not Available	10	1	Escherichia coli, non-pathogenic, unspecified	1
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/feed)	50	Gram	Not Available	8	0	Escherichia coli, non-pathogenic	0
	Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feed)	50	Gram	Not Available	10	0	Escherichia coli, non-pathogenic	0
	Ready-to-eat salads - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feed)	50	Gram	Not Available	7	0	Escherichia coli, non-pathogenic	0
	Ready-to-eat salads - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/feed)	10	Gram	Not Available	1	0	Escherichia coli, non-pathogenic	0

Table FLAVIVIRUS in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Vaccination status	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Birds - wild - game birds, farmed - Farm - Spain - animal sample - blood - Monitoring - active - Official sampling - Selective sampling	animal	Not Available	Real-Time PCR (qualitative or quantitative)	233	0	Flavivirus	0
	Birds - wild - game birds, farmed - Farm - Spain - animal sample - blood - Monitoring - active - Official sampling - Selective sampling	animal	Not Available	IgG ELISA	1393	102	West Nile virus	102
	Birds - wild - game birds, farmed - Farm - Spain - animal sample - blood - Monitoring - active - Official sampling - Selective sampling	animal	Not Available	Seroneutralisation test	71	39	West Nile virus	39
	Birds - wild - game birds, farmed - Farm - Spain - animal sample - blood - Monitoring - passive - Official sampling - Selective sampling	animal	Not Available	Real-Time PCR (qualitative or quantitative)	18	3	West Nile virus	3
	Birds - wild - Natural habitat - Spain - animal sample - blood - Monitoring - active - Official sampling - Selective sampling	animal	Not Available	Real-Time PCR (qualitative or quantitative)	747	1	West Nile virus	1
	Birds - wild - Natural habitat - Spain - animal sample - blood - Monitoring - active - Official sampling - Selective sampling	animal	Not Available	IgG ELISA	636	44	West Nile virus	44
	Birds - wild - Natural habitat - Spain - animal sample - blood - Monitoring - active - Official sampling - Selective sampling	animal	Not Available	Seroneutralisation test	44	17	West Nile virus	17
	Birds - wild - Natural habitat - Spain - animal sample - blood - Monitoring - passive - Official sampling - Suspect sampling	animal	Not Available	Real-Time PCR (qualitative or quantitative)	295	2	West Nile virus	2
	Birds - wild - Natural habitat - Spain - animal sample - blood - Monitoring - passive - Official sampling - Suspect sampling	animal	Not Available	IgG ELISA	20	3	West Nile virus	3
	Solipeds, domestic - horses - Farm - Spain - animal sample - blood - Monitoring - active - Official sampling - Selective sampling	animal	Unknown	IgG ELISA	1152	44	West Nile virus	44
	Solipeds, domestic - horses - Farm - Spain - animal sample - blood - Monitoring - active - Official sampling - Selective sampling	animal	Unknown	IgM-capture ELISA (MAC-ELISA)	74	1	West Nile virus	1
	Solipeds, domestic - horses - Farm - Spain - animal sample - blood - Monitoring - active - Official sampling - Selective sampling	animal	Unknown	Seroneutralisation test	7	1	West Nile virus	1
	Solipeds, domestic - horses - Farm - Spain - animal sample - blood - Monitoring - passive - Official sampling - Suspect sampling	animal	Unknown	IgM-capture ELISA (MAC-ELISA)	60	11	West Nile virus	11
	Solipeds, domestic - horses - Farm - Spain - animal sample - blood - Monitoring - passive - Official sampling - Suspect sampling	animal	Unknown	Seroneutralisation test	66	11	West Nile virus	11

Table Giardia:GIARDIA in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Vegetables - non-pre-cut - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	Not Available	11	0	Giardia	0

Table Hepatitis virus:HEPATITIS VIRUS in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Fruits - edible part - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	Not Available	20	0	Hepatitis A	0
	Live bivalve molluscs - mussels - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	Not Available	3	0	Hepatitis A	0
	Live bivalve molluscs - mussels - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	Not Available	10	0	Hepatitis A	0
	Live bivalve molluscs - mussels - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	Not Available	8	0	Hepatitis A	0
	Live bivalve molluscs - oysters - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	Not Available	2	0	Hepatitis A	0
	Live bivalve molluscs - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	Not Available	1	0	Hepatitis A	0
	Live echinoderms, tunicates and gastropods - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	Not Available	6	0	Hepatitis A	0
	Vegetables - non-pre-cut - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	Not Available	10	0	Hepatitis A	0
	Vegetables - pre-cut - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	Not Available	6	0	Hepatitis A	0

Table HISTAMINE in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Conservation facilities - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	100	Gram	63	0	<= 100	Histamine	0	63
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	0
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Packing centre - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/food)	50	Gram	2	0	<= 100	Histamine	0	2
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	0
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Processing plant - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/food)	100	Gram	1	0	<= 100	Histamine	0	1
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	0
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	100	Gram	10	0	<= 100	Histamine	0	10
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	0
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	7	0	<= 100	Histamine	0	7
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	0
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Processing plant - Not Available - Not Available - Clinical investigations - Official sampling - Not specified	batch (food/food)	50	Gram	8	2	<= 100	Histamine	0	6
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	2
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/food)	25	Gram	11	0	<= 100	Histamine	0	11
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	0
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/food)	50	Gram	25	0	<= 100	Histamine	0	25
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	0
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/food)	50	Gram	9	0	<= 100	Histamine	0	9
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	0
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Processing plant - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/food)	25	Gram	1	0	<= 100	Histamine	0	1
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	0
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	100	Gram	54	0	<= 100	Histamine	0	54
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	0
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Monitoring - active - Official sampling - Suspect sampling	single (food/food)	10	Gram	2	0	<= 100	Histamine	0	2
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	0
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/food)	25	Gram	2	0	<= 100	Histamine	0	2
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	0
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/food)	25	Gram	6	4	<= 100	Histamine	0	2
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	4
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	single (food/food)	200	Gram	50	3	<= 100	Histamine	0	0
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	3

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	10	Gram	10	0	<= 100	Histamine	0	10
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	0
			100	Gram	21	0	<= 100	Histamine	0	21
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	0
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	single (food/food)	200	Gram	21	5	<= 100	Histamine	0	0
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	5
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Retail - Not Available - Not Available - Clinical investigations - Official sampling - Not specified	batch (food/food)	50	Gram	6	2	<= 100	Histamine	0	4
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	2
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/food)	25	Gram	15	0	<= 100	Histamine	0	15
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	0
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/food)	50	Gram	16	0	<= 100	Histamine	0	16
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	0
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/food)	100	Gram	6	0	<= 100	Histamine	0	6
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	0
Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Retail - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/food)	25	Gram	3	2	<= 100	Histamine	0	1	
						>100 TO <= 200	Histamine	0	2	
						>200	Histamine	0	0	
Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	40	Gram	3	0	<= 100	Histamine	0	3	
						>100 TO <= 200	Histamine	0	0	
						>200	Histamine	0	0	
Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Unspecified - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	2	2	<= 100	Histamine	0	0	
						>100 TO <= 200	Histamine	0	0	
						>200	Histamine	0	2	
Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Wholesale - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/food)	50	Gram	42	0	<= 100	Histamine	0	42	
						>100 TO <= 200	Histamine	0	0	
		100	Gram	4	0	<= 100	Histamine	0	4	
						>100 TO <= 200	Histamine	0	0	
Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Wholesale - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/food)	10	Gram	9	1	<= 100	Histamine	0	8	
						>100 TO <= 200	Histamine	0	0	
						>200	Histamine	0	1	
Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	100	Gram	21	0	<= 100	Histamine	0	21	
						>100 TO <= 200	Histamine	0	0	
						>200	Histamine	0	0	
Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Wholesale - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	batch (food/food)	50	Gram	2	1	<= 100	Histamine	0	0	
						>100 TO <= 200	Histamine	0	0	
						>200	Histamine	0	1	
Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/food)	50	Gram	29	2	<= 100	Histamine	0	27	
						>100 TO <= 200	Histamine	0	0	
						>200	Histamine	0	2	

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Wholesale - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/food)	25	Gram	2	0	<= 100	Histamine	0	2
							>100 TO <= 200	Histamine	0	0
Not Available	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Wholesale - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	100	Gram	9	0	<= 100	Histamine	0	9
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	0
Not Available	Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/food)	50	Gram	4	0	> 400	Histamine	0	0
							>200 TO <= 400	Histamine	0	0
							<=200	Histamine	0	4
Not Available	Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/food)	50	Gram	13	0	> 400	Histamine	0	0
							>200 TO <= 400	Histamine	0	0
							<=200	Histamine	0	13
Not Available	Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	100	Gram	9	0	> 400	Histamine	0	0
							>200 TO <= 400	Histamine	0	0
							<=200	Histamine	0	9
Not Available	Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	100	Gram	2	0	> 400	Histamine	0	0
							>200 TO <= 400	Histamine	0	0
							<=200	Histamine	0	2
Not Available	Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/food)	50	Gram	2	0	> 400	Histamine	0	0
							>200 TO <= 400	Histamine	0	0
							<=200	Histamine	0	2
Not Available	Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	40	Gram	1	0	> 400	Histamine	0	0
							>200 TO <= 400	Histamine	0	0
							<=200	Histamine	0	1
Not Available	Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/food)	50	Gram	4	0	> 400	Histamine	0	0
							>200 TO <= 400	Histamine	0	0
							<=200	Histamine	0	4
Not Available	Fish - gravad /slightly salted - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	4	0	<= 100	Histamine	0	4
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	0
Not Available	Fish - marinated - Processing plant - Not Available - food sample - Monitoring - Official sampling - Suspect sampling	single (food/food)	10	Gram	9	0	<= 100	Histamine	0	9
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	0
Not Available	Fish - marinated - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Suspect sampling	single (food/food)	50	Gram	1	1	> 400	Histamine	0	1
							>200 TO <= 400	Histamine	0	0
							<=200	Histamine	0	0
Not Available	Fish - marinated - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	10	Gram	5	0	<= 100	Histamine	0	5
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	0
Not Available	Fish - raw - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	5	0	<= 100	Histamine	0	5
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	0
Not Available	Fish - raw - chilled - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	9	0	<= 100	Histamine	0	9
							>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	0
Not Available	Fish - raw - frozen - Processing plant - Not Available - food sample - Monitoring - Official sampling - Suspect sampling	single (food/food)	10	Gram	36	7	<= 100	Histamine	0	29
							>100 TO <= 200	Histamine	0	2
							>200	Histamine	0	5

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive	
Not Available	Fish - raw - Processing plant - Not Available - food sample - Monitoring - Official sampling - Suspect sampling	single (food/food)	10	Gram	9	0	<= 100	Histamine	0	9	
							>100 TO <= 200	Histamine	0	0	
							>200	Histamine	0	0	
	Fish - raw - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/food)	25	Gram	3	0	<= 100	Histamine	0	3	
							>100 TO <= 200	Histamine	0	0	
							>200	Histamine	0	0	
	Fish - raw - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	10	Gram	5	0	<= 100	Histamine	0	5	
							>100 TO <= 200	Histamine	0	0	
							>200	Histamine	0	0	
	Fish - raw - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/food)	100	Gram	16	0	<= 100	Histamine	0	16	
							>100 TO <= 200	Histamine	0	0	
							>200	Histamine	0	0	
	Fish - unspecified - chilled - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/food)	5	Gram	16	2	> 400	Histamine	0	2	
							>200 TO <= 400	Histamine	0	0	
							<=200	Histamine	0	14	
	Fish - unspecified - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	45	Gram	1	0	<= 100	Histamine	0	1	
							>100 TO <= 200	Histamine	0	0	
							>200	Histamine	0	0	
	Fish - unspecified - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	45	Gram	9	0	<= 100	Histamine	0	1	
							>100 TO <= 200	Histamine	0	0	
							>200	Histamine	0	0	
	Fish - unspecified - Wholesale - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	45	Gram	1	0	<= 100	Histamine	0	1	
							>100 TO <= 200	Histamine	0	0	
							>200	Histamine	0	0	
	Fish (food) - Processing plant - Not Available - food sample - Monitoring - Official sampling - Suspect sampling	single (food/food)	10	Gram	63	0	<= 100	Histamine	0	63	
							>100 TO <= 200	Histamine	0	0	
							>200	Histamine	0	0	
	Fish (food) - Retail - Not Available - food sample - Monitoring - Official sampling - Selective sampling	single (food/food)	10	Gram	1	0	<= 100	Histamine	0	1	
							>100 TO <= 200	Histamine	0	0	
							>200	Histamine	0	0	
	Fishery products, unspecified - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	10	Gram	63	0	<= 100	Histamine	0	63	
							>100 TO <= 200	Histamine	0	0	
							>200	Histamine	0	0	
	Meat from pig - minced meat - Processing plant - Not Available - food sample - Monitoring - Official sampling - Suspect sampling	single (food/food)	10	Gram	9	0	<= 100	Histamine	0	9	
							>100 TO <= 200	Histamine	0	0	
							>200	Histamine	0	0	
	Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/food)	25	Gram	4	2	<= 100	Histamine	0	2	
							>100 TO <= 200	Histamine	0	1	
							>200	Histamine	0	1	
	Other processed food products and prepared dishes - fish and seafood based dishes - Retail - Not Available - Not Available - Clinical investigations - Official sampling - Not specified	batch (food/food)	50	Gram	5	2	> 400	Histamine	0	2	
	Other processed food products and prepared dishes - unspecified - Processing plant - Not Available - food sample - Monitoring - Official sampling - Suspect sampling	single (food/food)	10	Gram	9	1	<= 100	Histamine	0	8	
							>100 TO <= 200	Histamine	0	0	
							>200	Histamine	0	1	
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Monitoring - active - Official sampling - Suspect sampling	single (food/food)	10	Gram	9	0	<= 100	Histamine	0	9	
							>100 TO <= 200	Histamine	0	0	
							>200	Histamine	0	0	

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Other processed food products and prepared dishes - unspecified - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	single (food/feed)	100	Gram	8	1	> 400	Histamine	0	1
							>200 TO <= 400	Histamine	0	0
							<=200	Histamine	0	0
							> 400	Histamine	0	0
	Other processed food products and prepared dishes - unspecified - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	single (food/feed)	200	Gram	20	1	>200 TO <= 400	Histamine	0	1
							<=200	Histamine	0	0
							> 400	Histamine	0	0
							<= 100	Histamine	0	18
	Other processed food products and prepared dishes - unspecified - Retail - Not Available - food sample - Monitoring - Official sampling - Selective sampling	single (food/feed)	10	Gram	25	7	>100 TO <= 200	Histamine	0	0
							>200	Histamine	0	7
							> 400	Histamine	0	1
							>200 TO <= 400	Histamine	0	0
Other processed food products and prepared dishes - unspecified - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	single (food/feed)	200	Gram	6	1	<=200	Histamine	0	0	

Table Listeria:LISTERIA in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Method	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
SPAIN	Cattle (bovine animals) - dairy cows - adult - Farm - Spain - animal sample - foetus/stillbirth - Monitoring - passive - Official sampling - Suspect sampling	Not Available	animal	92	1	Listeria monocytogenes	1
	Goats - Farm - Spain - animal sample - Monitoring - active - Official sampling - Selective sampling	Not Available	animal	32	0	Listeria	0
	Sheep - Farm - Spain - animal sample - foetus/stillbirth - Monitoring - passive - Official sampling - Suspect sampling	Not Available	animal	491	3	Listeria monocytogenes	3
	Sheep - Farm - Spain - animal sample - milk - Monitoring - passive - Official sampling - Suspect sampling	Not Available	animal	491	1	Listeria ivanovii	1

Table Listeria: LISTERIA in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	All foodstuffs - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
Bakery products - bread - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling		single (food/fee d)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
Bakery products - cakes - containing heat-treated cream - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling		batch (food/fee d)	25	Gram	13	0	<= 100	Listeria monocytogenes	13	0
							>100	Listeria monocytogenes	13	0
Bakery products - cakes - containing heat-treated cream - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling		batch (food/fee d)	25	Gram	9	0	detection	Listeria monocytogenes	9	0
Bakery products - cakes - containing heat-treated cream - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling		single (food/fee d)	25	Gram	74	0	<= 100	Listeria monocytogenes	74	0
							>100	Listeria monocytogenes	74	0
Bakery products - cakes - containing heat-treated cream - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling		single (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
Bakery products - cakes - containing heat-treated cream - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling		single (food/fee d)	25	Gram	10	0	detection	Listeria monocytogenes	10	0
Bakery products - cakes - containing heat-treated cream - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling		single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
Bakery products - cakes - containing heat-treated cream - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling		single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
Bakery products - cakes - containing heat-treated cream - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling		single (food/fee d)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
Bakery products - cakes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling		single (food/fee d)	25	Gram	127	0	<= 100	Listeria monocytogenes	127	0
							>100	Listeria monocytogenes	127	0
Bakery products - cakes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling		single (food/fee d)	25	Gram	33	0	detection	Listeria monocytogenes	33	0
Bakery products - cakes - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling		single (food/fee d)	25	Gram	25	0	detection	Listeria monocytogenes	25	0
Bakery products - cakes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling		single (food/fee d)	25	Gram	6	0	<= 100	Listeria monocytogenes	6	0
							>100	Listeria monocytogenes	6	0
Bakery products - cakes - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling		single (food/fee d)	25	Gram	11	0	detection	Listeria monocytogenes	11	0
Bakery products - cakes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling		single (food/fee d)	25	Gram	9	0	<= 100	Listeria monocytogenes	9	0
							>100	Listeria monocytogenes	9	0
Bakery products - cakes - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling		single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
Bakery products - cakes - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling		single (food/fee d)	25	Gram	25	0	detection	Listeria monocytogenes	25	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Bakery products - desserts - containing heat-treated cream - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Bakery products - desserts - containing heat-treated cream - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/food)	25	Gram	7	0	<= 100	Listeria monocytogenes	7	0
							>100	Listeria monocytogenes	7	0
	Bakery products - desserts - containing heat-treated cream - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	6	0	<= 100	Listeria monocytogenes	6	0
							>100	Listeria monocytogenes	6	0
	Bakery products - desserts - containing raw cream - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/food)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Bakery products - desserts - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Bakery products - desserts - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Bakery products - desserts - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/food)	25	Gram	17	0	detection	Listeria monocytogenes	17	0
	Bakery products - desserts - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Bakery products - desserts - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Bakery products - desserts - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Bakery products - desserts - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/food)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Bakery products - desserts - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	6	0	<= 100	Listeria monocytogenes	6	0
							>100	Listeria monocytogenes	6	0
	Bakery products - desserts - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	25	0	detection	Listeria monocytogenes	25	0
	Bakery products - pastry - biscuits - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Bakery products - pastry - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Bakery products - pastry - choux pastry - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Bakery products - pastry - choux pastry - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/food)	25	Gram	5	0	detection	Listeria monocytogenes	5	0
	Bakery products - pastry - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	14	0	<= 100	Listeria monocytogenes	14	0
							>100	Listeria monocytogenes	14	0
							<= 100	Listeria monocytogenes	33	0
							>100	Listeria monocytogenes	33	0
	Bakery products - pastry - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	10	0	detection	Listeria monocytogenes	10	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Bakery products - pastry - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Bakery products - pastry - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	8	1	detection	Listeria monocytogenes	8	1
	Bakery products - pastry - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	16	0	<= 100	Listeria monocytogenes	16	0
							>100	Listeria monocytogenes	16	0
					72	0	<= 100	Listeria monocytogenes	72	0
							>100	Listeria monocytogenes	72	0
	Bakery products - pastry - yeast leavened pastry - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Bakery products - pastry - yeast leavened pastry - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Beverages, non-alcoholic - soft drinks - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	10	0	detection	Listeria monocytogenes	10	0
	Cereals and meals - flakes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Cereals and meals - flakes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Cereals and meals - flour/meal or finely ground powder - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Cereals and meals - flour/meal or finely ground powder - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Cheeses made from cows' milk - curd - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	4	0	detection	Listeria monocytogenes	4	0
		single (food/fee d)	25	Gram	8	0	detection	Listeria monocytogenes	8	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	4	0	detection	Listeria monocytogenes	4	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	18	0	detection	Listeria monocytogenes	18	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Cheeses made from cows' milk - fresh - made from pasteurised milk - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feeding)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Cheeses made from cows' milk - fresh - made from raw or low heat-treated milk - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Cheeses made from cows' milk - fresh - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	6	0	<= 100	Listeria monocytogenes	6	0
							>100	Listeria monocytogenes	6	0
	Cheeses made from cows' milk - fresh - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Cheeses made from cows' milk - fresh - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/feeding)	25	Gram	10	0	detection	Listeria monocytogenes	10	0
	Cheeses made from cows' milk - fresh - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feeding)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feeding)	10	Gram	2	1	<= 100	Listeria monocytogenes	1	1
							>100	Listeria monocytogenes	1	0
	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feeding)	25	Gram	2	1	detection	Listeria monocytogenes	2	1
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Retail - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/feeding)	25	Gram	6	0	<= 100	Listeria monocytogenes	6	0
							>100	Listeria monocytogenes	6	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	22	0	<= 100	Listeria monocytogenes	22	0
							>100	Listeria monocytogenes	22	0
	Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Cheeses made from cows' milk - soft and semi-soft - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/feeding)	25	Gram	95	4	detection	Listeria monocytogenes	95	4
	Cheeses made from cows' milk - soft and semi-soft - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/feeding)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Cheeses made from cows' milk - soft and semi-soft - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Cheeses made from cows' milk - soft and semi-soft - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/feeding)	25	Gram	10	0	detection	Listeria monocytogenes	10	0
	Cheeses made from cows' milk - unspecified - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feeding)	25	Gram	8	0	<= 100	Listeria monocytogenes	8	0
							>100	Listeria monocytogenes	8	0
	Cheeses made from cows' milk - unspecified - made from pasteurised milk - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feeding)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Cheeses made from goats' milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feeding)	25	Gram	3	0	detection	Listeria monocytogenes	3	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Cheeses made from goats' milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	11	0	detection	Listeria monocytogenes	11	0
	Cheeses made from goats' milk - fresh - made from pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Cheeses made from goats' milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feed)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	33	0	<= 100	Listeria monocytogenes	33	0
							>100	Listeria monocytogenes	33	0
	Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	28	0	detection	Listeria monocytogenes	28	0
	Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	30	0	<= 100	Listeria monocytogenes	30	0
							>100	Listeria monocytogenes	30	0
	Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	9	0	detection	Listeria monocytogenes	9	0
	Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Cheeses made from goats' milk - fresh - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Cheeses made from goats' milk - fresh - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/feed)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Cheeses made from goats' milk - hard - made from pasteurised milk - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feed)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Cheeses made from goats' milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Cheeses made from goats' milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	6	0	detection	Listeria monocytogenes	6	0
	Cheeses made from goats' milk - hard - made from raw or low heat-treated milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	5	0	<= 100	Listeria monocytogenes	5	0
							>100	Listeria monocytogenes	5	0
	Cheeses made from goats' milk - hard - made from raw or low heat-treated milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	4	0	detection	Listeria monocytogenes	4	0
	Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Retail - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/feed)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
>100							Listeria monocytogenes	2	0	
Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	10	0	<= 100	Listeria monocytogenes	10	0	
						>100	Listeria monocytogenes	10	0	
Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	7	0	<= 100	Listeria monocytogenes	7	0	
						>100	Listeria monocytogenes	7	0	
Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	1	0	detection	Listeria monocytogenes	1	0	

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	7	0	<= 100	Listeria monocytogenes	7	0
							>100	Listeria monocytogenes	7	0
	Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	11	0	detection	Listeria monocytogenes	11	0
	Cheeses made from goats' milk - soft and semi-soft - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Cheeses made from goats' milk - soft and semi-soft - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	5	0	<= 100	Listeria monocytogenes	5	0
							>100	Listeria monocytogenes	5	0
	Cheeses made from goats' milk - soft and semi-soft - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Cheeses made from goats' milk - unspecified - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	4	0	detection	Listeria monocytogenes	4	0
	Cheeses made from sheep's milk - fresh - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	25	Gram	4	0	detection	Listeria monocytogenes	4	0
	Cheeses made from sheep's milk - hard - made from pasteurised milk - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	10	Gram	4	1	<= 100	Listeria monocytogenes	1	1
							>100	Listeria monocytogenes	1	0
	Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	4	1	detection	Listeria monocytogenes	4	1
	Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	19	0	<= 100	Listeria monocytogenes	19	0
							>100	Listeria monocytogenes	19	0
	Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Cheeses made from sheep's milk - hard - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	19	1	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	1
	Cheeses made from sheep's milk - hard - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	19	1	detection	Listeria monocytogenes	19	1
	Cheeses made from sheep's milk - hard - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	14	0	detection	Listeria monocytogenes	14	0
	Cheeses made from sheep's milk - hard - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Cheeses made from sheep's milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Cheeses made from sheep's milk - soft and semi-soft - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	4	0	<= 100	Listeria monocytogenes	4	0
							>100	Listeria monocytogenes	4	0
	Cheeses made from sheep's milk - unspecified - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Cheeses made from sheep's milk - unspecified - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Cheeses made from sheep's milk - unspecified - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
Not Available	Cheeses made from sheep's milk - unspecified - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
							<= 100	Listeria monocytogenes	1	0
Not Available	Cheeses made from sheep's milk - unspecified - made from raw or low heat-treated milk - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
Not Available	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
Not Available	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	6	0	detection	Listeria monocytogenes	6	0
							detection	Listeria monocytogenes	3	0
Not Available	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	13	0	detection	Listeria monocytogenes	13	0
							detection	Listeria monocytogenes	1	0
Not Available	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
Not Available	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
							detection	Listeria monocytogenes	1	0
Not Available	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
							<= 100	Listeria monocytogenes	1	0
Not Available	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
Not Available	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
Not Available	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
Not Available	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
							<= 100	Listeria monocytogenes	2	0
Not Available	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from raw or low heat-treated milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
Not Available	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
							detection	Listeria monocytogenes	2	0
Not Available	Cheeses, made from mixed milk from cows, sheep and/or goats - hard - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
							<= 100	Listeria monocytogenes	3	0
Not Available	Cheeses, made from mixed milk from cows, sheep and/or goats - hard - made from pasteurised milk - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
Not Available	Cheeses, made from mixed milk from cows, sheep and/or goats - hard - made from raw or low heat-treated milk - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	25	0	detection	Listeria monocytogenes	25	0
							detection	Listeria monocytogenes	14	0
Not Available	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	14	0	detection	Listeria monocytogenes	14	0
							detection	Listeria monocytogenes	14	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	25	0	detection	Listeria monocytogenes	25	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from pasteurised milk - Retail - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from pasteurised milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	17	0	detection	Listeria monocytogenes	17	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - unspecified - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - unspecified - made from pasteurised milk - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	5	0	detection	Listeria monocytogenes	5	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from pasteurised milk - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	10	0	detection	Listeria monocytogenes	10	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from raw or low heat-treated milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Cheeses, made from unspecified milk or other animal milk - fresh - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Cheeses, made from unspecified milk or other animal milk - fresh - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	4	0	detection	Listeria monocytogenes	4	0
	Cheeses, made from unspecified milk or other animal milk - fresh - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	5	0	<= 100	Listeria monocytogenes	5	0
							>100	Listeria monocytogenes	5	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive		
Not Available	Cheeses, made from unspecified milk or other animal milk - fresh - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	53	3	<= 100	Listeria monocytogenes	53	0		
							>100	Listeria monocytogenes	53	3		
	Cheeses, made from unspecified milk or other animal milk - fresh - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0		
							158	0	detection	Listeria monocytogenes	158	0
	Cheeses, made from unspecified milk or other animal milk - fresh - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0		
							>100	Listeria monocytogenes	1	0		
	Cheeses, made from unspecified milk or other animal milk - fresh - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	1	detection	Listeria monocytogenes	1	1		
	Cheeses, made from unspecified milk or other animal milk - fresh - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0		
	Cheeses, made from unspecified milk or other animal milk - fresh - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	4	0	<= 100	Listeria monocytogenes	4	0		
							>100	Listeria monocytogenes	4	0		
	Cheeses, made from unspecified milk or other animal milk - fresh - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0		
	Cheeses, made from unspecified milk or other animal milk - fresh - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	25	Gram	4	0	detection	Listeria monocytogenes	4	0		
	Cheeses, made from unspecified milk or other animal milk - fresh - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0		
							>100	Listeria monocytogenes	3	0		
							20	1	<= 100	Listeria monocytogenes	20	0
							>100	Listeria monocytogenes	20	1		
	Cheeses, made from unspecified milk or other animal milk - fresh - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0		
	Cheeses, made from unspecified milk or other animal milk - hard - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	5	0	detection	Listeria monocytogenes	5	0		
	Cheeses, made from unspecified milk or other animal milk - hard - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	9	0	detection	Listeria monocytogenes	9	0		
	Cheeses, made from unspecified milk or other animal milk - hard - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	6	0	<= 100	Listeria monocytogenes	6	0		
							>100	Listeria monocytogenes	6	0		
	Cheeses, made from unspecified milk or other animal milk - hard - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0		
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	55	0	detection	Listeria monocytogenes	55	0		
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0		
							>100	Listeria monocytogenes	1	0		
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	64	0	<= 100	Listeria monocytogenes	64	0		
							>100	Listeria monocytogenes	64	0		
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	9	0	<= 100	Listeria monocytogenes	9	0		
							>100	Listeria monocytogenes	9	0		
	Cheeses, made from unspecified milk or other animal milk - unspecified - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	25	Gram	50	2	detection	Listeria monocytogenes	50	2		

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Cheeses, made from unspecified milk or other animal milk - unspecified - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Crustaceans - lobsters - cooked - chilled - Retail - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Crustaceans - lobsters - cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Crustaceans - prawns - cooked - chilled - Retail - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	11	0	<= 100	Listeria monocytogenes	11	0
							>100	Listeria monocytogenes	11	0
	Crustaceans - prawns - cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	10	0	<= 100	Listeria monocytogenes	10	0
							>100	Listeria monocytogenes	10	0
	Crustaceans - prawns - raw - chilled - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Crustaceans - prawns - raw - Wholesale - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	4	0	<= 100	Listeria monocytogenes	4	0
							>100	Listeria monocytogenes	4	0
	Crustaceans - prawns - shelled, shucked and cooked - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	7	0	detection	Listeria monocytogenes	7	0
	Crustaceans - prawns - shelled, shucked and cooked - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Crustaceans - shrimps - cooked - frozen - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Crustaceans - shrimps - shelled, shucked and cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Crustaceans - shrimps - shelled, shucked and cooked - chilled - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Crustaceans - unspecified - cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Crustaceans - unspecified - cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Crustaceans - unspecified - cooked - chilled - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	10	3	<= 100	Listeria monocytogenes	3	3
							>100	Listeria monocytogenes	3	0
	Crustaceans - unspecified - cooked - chilled - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	10	3	detection	Listeria monocytogenes	10	3
	Crustaceans - unspecified - cooked - frozen - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	5	0	<= 100	Listeria monocytogenes	5	0
							>100	Listeria monocytogenes	5	0
	Crustaceans - unspecified - cooked - frozen - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Crustaceans - unspecified - cooked - frozen - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Crustaceans - unspecified - cooked - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Crustaceans - unspecified - cooked - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	5	0	detection	Listeria monocytogenes	5	0
	Crustaceans - unspecified - cooked - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	30	0	detection	Listeria monocytogenes	30	0
	Crustaceans - unspecified - cooked - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Dairy products (excluding cheeses) - butter - made from pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	6	0	detection	Listeria monocytogenes	6	0
	Dairy products (excluding cheeses) - butter - made from pasteurised milk - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/food)	25	Gram	4	1	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	1
	Dairy products (excluding cheeses) - butter - made from pasteurised milk - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/food)	25	Gram	4	1	detection	Listeria monocytogenes	4	1
	Dairy products (excluding cheeses) - butter - made from pasteurised milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Dairy products (excluding cheeses) - butter - made from pasteurised milk - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Dairy products (excluding cheeses) - butter - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
					35	0	detection	Listeria monocytogenes	35	0
	Dairy products (excluding cheeses) - butter - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Dairy products (excluding cheeses) - cheese analogue - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/food)	25	Gram	12	0	detection	Listeria monocytogenes	12	0
	Dairy products (excluding cheeses) - cheese analogue - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Dairy products (excluding cheeses) - cream - made from pasteurised milk - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Millilitre	10	0	detection	Listeria monocytogenes	10	0
	Dairy products (excluding cheeses) - cream - made from raw or low heat-treated milk - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Dairy products (excluding cheeses) - cream - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	4	0	detection	Listeria monocytogenes	4	0
	Dairy products (excluding cheeses) - dairy desserts - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Dairy products (excluding cheeses) - dairy desserts - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	22	0	<= 100	Listeria monocytogenes	22	0
							>100	Listeria monocytogenes	22	0
	Dairy products (excluding cheeses) - dairy desserts - chilled - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/food)	25	Gram	19	1	<= 100	Listeria monocytogenes	19	0
							>100	Listeria monocytogenes	19	1
	Dairy products (excluding cheeses) - dairy desserts - chilled - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
		single (food/food)	25	Gram	30	0	<= 100	Listeria monocytogenes	30	0
							>100	Listeria monocytogenes	30	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Dairy products (excluding cheeses) - dairy desserts - frozen - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Dairy products (excluding cheeses) - dairy desserts - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Dairy products (excluding cheeses) - dairy desserts - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
		single (food/food)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Dairy products (excluding cheeses) - dairy desserts - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Dairy products (excluding cheeses) - dairy desserts - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	5	0	<= 100	Listeria monocytogenes	5	0
							>100	Listeria monocytogenes	5	0
	Dairy products (excluding cheeses) - dairy products, not specified - ready-to-eat - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/food)	25	Gram	28	0	detection	Listeria monocytogenes	28	0
	Dairy products (excluding cheeses) - dairy products, not specified - ready-to-eat - Wholesale - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/food)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Dairy products (excluding cheeses) - fermented dairy products - fermented milk - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	24	0	<= 100	Listeria monocytogenes	24	0
							>100	Listeria monocytogenes	24	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	6	0	detection	Listeria monocytogenes	6	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	4	0	detection	Listeria monocytogenes	4	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/food)	25	Gram	5	0	detection	Listeria monocytogenes	5	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	91	0	<= 100	Listeria monocytogenes	91	0
							>100	Listeria monocytogenes	91	0
Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0	
						>100	Listeria monocytogenes	1	0	
Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	8	0	detection	Listeria monocytogenes	8	0	
Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/food)	25	Gram	10	0	detection	Listeria monocytogenes	10	0	
Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/food)	25	Gram	13	0	<= 100	Listeria monocytogenes	13	0	
						>100	Listeria monocytogenes	13	0	
Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	6	0	<= 100	Listeria monocytogenes	6	0	
						>100	Listeria monocytogenes	6	0	
Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0	
						>100	Listeria monocytogenes	3	0	

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Dairy products (excluding cheeses) - ice-cream - made from raw or low heat-treated milk - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Dairy products (excluding cheeses) - ice-cream - Processing plant - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	22	0	detection	Listeria monocytogenes	22	0
	Dairy products (excluding cheeses) - ice-cream - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	10	Gram	9	6	<= 100	Listeria monocytogenes	6	6
>100							Listeria monocytogenes	6	0	
25		Gram	26	0	<= 100	Listeria monocytogenes	26	0		
					>100	Listeria monocytogenes	26	0		
	Dairy products (excluding cheeses) - ice-cream - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	9	6	detection	Listeria monocytogenes	9	6
	Dairy products (excluding cheeses) - ice-cream - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	10	0	detection	Listeria monocytogenes	10	0
	Dairy products (excluding cheeses) - ice-cream - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	8	0	<= 100	Listeria monocytogenes	8	0
>100							Listeria monocytogenes	8	0	
	Dairy products (excluding cheeses) - ice-cream - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	8	0	detection	Listeria monocytogenes	8	0
	Dairy products (excluding cheeses) - ice-cream - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	8	0	<= 100	Listeria monocytogenes	8	0
>100							Listeria monocytogenes	8	0	
	Dairy products (excluding cheeses) - ice-cream - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	7	0	detection	Listeria monocytogenes	7	0
	Dairy products (excluding cheeses) - ice-cream - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	8	0	detection	Listeria monocytogenes	8	0
	Dairy products (excluding cheeses) - ice-cream - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	30	0	detection	Listeria monocytogenes	30	0
	Dairy products (excluding cheeses) - milk powder and whey powder - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	15	0	detection	Listeria monocytogenes	15	0
	Dairy products (excluding cheeses) - yoghurt - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	4	0	detection	Listeria monocytogenes	4	0
	Dairy products (excluding cheeses) - yoghurt - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
>100							Listeria monocytogenes	1	0	
	Egg products - liquid - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Millilitre	5	0	detection	Listeria monocytogenes	5	0
	Egg products - liquid - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Egg products - liquid - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
>100							Listeria monocytogenes	3	0	
	Egg products - liquid - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
>100							Listeria monocytogenes	2	0	
	Egg products - liquid - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Egg products - non-ready-to-eat - Retail - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Egg products - non-ready-to-eat - Wholesale - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Egg products - ready-to-eat - Catering - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Egg products - ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Eggs - table eggs - mixed whole - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Fish - cooked - chilled - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
>100							Listeria monocytogenes	1	0	
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Fish - Fishery products from fish species associated with a high amount of histidine - not enzyme matured - Wholesale - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Fish - marinated - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Fish - raw - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	7	0	<= 100	Listeria monocytogenes	7	0
>100							Listeria monocytogenes	7	0	
	Fish - raw - frozen - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	7	0	<= 100	Listeria monocytogenes	7	0
>100							Listeria monocytogenes	7	0	
	Fish - raw - frozen - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
>100							Listeria monocytogenes	1	0	
	Fish - raw - frozen - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	5	0	detection	Listeria monocytogenes	5	0
	Fish - smoked - Conservation facilities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Fish - smoked - hot-smoked - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Fish - smoked - Processing plant - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	18	0	detection	Listeria monocytogenes	18	0
	Fish - smoked - Processing plant - Not Available - food sample - Monitoring - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	5	0	detection	Listeria monocytogenes	5	0
	Fish - smoked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	5	0	<= 100	Listeria monocytogenes	5	0
>100							Listeria monocytogenes	5	0	
	Fish - smoked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	10	0	detection	Listeria monocytogenes	10	0
		single (food/fee d)	25	Gram	11	0	detection	Listeria monocytogenes	11	0
	Fish - smoked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive	
Not Available	Fish - smoked - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/food)	10	Gram	3	2	<= 100	Listeria monocytogenes	2	2	
							>100	Listeria monocytogenes	2	0	
	Fish - smoked - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/food)	25	Gram	3	2	detection	Listeria monocytogenes	3	2	
	Fish - smoked - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/food)	25	Gram	25	0	detection	Listeria monocytogenes	25	0	
	Fish - smoked - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	3	2	detection	Listeria monocytogenes	3	2	
	Fish - smoked - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/food)	25	Gram	12	0	detection	Listeria monocytogenes	12	0	
	Fish - smoked - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0	
							>100	Listeria monocytogenes	1	0	
	Fish - smoked - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	4	3	detection	Listeria monocytogenes	4	3	
	Fish - smoked - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/food)	25	Gram	14	0	<= 100	Listeria monocytogenes	14	0	
							>100	Listeria monocytogenes	14	0	
		single (food/food)	25	Gram	1	1		<= 100	Listeria monocytogenes	1	0
								>100	Listeria monocytogenes	1	1
	Fish - smoked - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/food)	25	Gram	2	0	detection	Listeria monocytogenes	2	0	
	Fish - smoked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	30	4	<= 100	Listeria monocytogenes	30	0	
							>100	Listeria monocytogenes	30	4	
		single (food/food)	25	Gram	10	6		<= 100	Listeria monocytogenes	6	6
								>100	Listeria monocytogenes	6	0
	Fish - smoked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	10	6	detection	Listeria monocytogenes	10	6	
	Fish - smoked - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	7	0	detection	Listeria monocytogenes	7	0	
	Fish - smoked - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	batch (food/food)	25	Gram	14	0	<= 100	Listeria monocytogenes	14	0	
							>100	Listeria monocytogenes	14	0	
	Fish - smoked - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/food)	25	Gram	8	0	detection	Listeria monocytogenes	8	0	
	Fish - smoked - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/food)	25	Gram	10	0	detection	Listeria monocytogenes	10	0	
	Fish - smoked - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/food)	25	Gram	72	2	<= 100	Listeria monocytogenes	72	0	
							>100	Listeria monocytogenes	72	2	
	Fish - smoked - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	4	0	detection	Listeria monocytogenes	4	0	
					20	2	detection	Listeria monocytogenes	20	2	
	Fish - smoked - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0	
							>100	Listeria monocytogenes	2	0	

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Fish - smoked - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Fish - smoked - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	5	0	<= 100	Listeria monocytogenes	5	0
							>100	Listeria monocytogenes	5	0
	Fish - smoked - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	20	2	detection	Listeria monocytogenes	20	2
	Fish - smoked - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	20	0	<= 100	Listeria monocytogenes	20	0
							>100	Listeria monocytogenes	20	0
	Fish - smoked - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	5	1	<= 100	Listeria monocytogenes	5	0
							>100	Listeria monocytogenes	5	1
	Fish - unspecified - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	19	0	<= 100	Listeria monocytogenes	19	0
							>100	Listeria monocytogenes	19	0
	Fish - unspecified - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	11	0	<= 100	Listeria monocytogenes	11	0
							>100	Listeria monocytogenes	11	0
	Fish - unspecified - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Fishery products, unspecified - cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Fishery products, unspecified - cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	11	0	<= 100	Listeria monocytogenes	11	0
							>100	Listeria monocytogenes	11	0
	Fishery products, unspecified - cooked - chilled - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Fishery products, unspecified - cooked - frozen - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Fishery products, unspecified - cooked - frozen - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Fishery products, unspecified - cooked - frozen - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Fishery products, unspecified - cooked - Processing plant - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	8	0	detection	Listeria monocytogenes	8	0
	Fishery products, unspecified - cooked - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	27	0	detection	Listeria monocytogenes	27	0
	Fishery products, unspecified - cooked - Wholesale - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Fishery products, unspecified - raw - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	7	0	<= 100	Listeria monocytogenes	7	0
							>100	Listeria monocytogenes	7	0
	Fishery products, unspecified - raw - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	3	2	detection	Listeria monocytogenes	3	2
	Fishery products, unspecified - ready-to-eat - chilled - Processing plant - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Fishery products, unspecified - ready-to-eat - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Fishery products, unspecified - ready-to-eat - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Fishery products, unspecified - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	2	1	detection	Listeria monocytogenes	2	1
	Fishery products, unspecified - smoked - Processing plant - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	6	1	<= 100	Listeria monocytogenes	6	0
							>100	Listeria monocytogenes	6	1
	Fishery products, unspecified - smoked - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Fishery products, unspecified - smoked - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	3	1	detection	Listeria monocytogenes	3	1
	Fishery products, unspecified - smoked - Retail - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	11	0	<= 100	Listeria monocytogenes	11	0
							>100	Listeria monocytogenes	11	0
	Fishery products, unspecified - smoked - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	34	0	<= 100	Listeria monocytogenes	34	0
							>100	Listeria monocytogenes	34	0
	Foodstuffs intended for special nutritional uses - dried dietary foods for special medical purposes intended for infants below 6 months - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Foodstuffs intended for special nutritional uses - other food for infants and children - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	20	0	detection	Listeria monocytogenes	20	0
	Foodstuffs intended for special nutritional uses - other food for infants and children - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	5	0	detection	Listeria monocytogenes	5	0
	Foodstuffs intended for special nutritional uses - other food for infants and children - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Foodstuffs intended for special nutritional uses - other food for infants and children - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Foodstuffs intended for special nutritional uses - processed cereal-based food for infants and young children - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	5	0	detection	Listeria monocytogenes	5	0
	Foodstuffs intended for special nutritional uses - ready-to-eat meal for infants and young children - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	9	0	<= 100	Listeria monocytogenes	9	0
							>100	Listeria monocytogenes	9	0
	Fruits - edible part - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	5	0	<= 100	Listeria monocytogenes	5	0
							>100	Listeria monocytogenes	5	0
		single (food/fee d)	25	Gram	34	0	<= 100	Listeria monocytogenes	34	0
							>100	Listeria monocytogenes	34	0
	Fruits - edible part - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	6	0	detection	Listeria monocytogenes	6	0
	Fruits - edible part - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	5	0	<= 100	Listeria monocytogenes	5	0
							>100	Listeria monocytogenes	5	0
	Fruits - pre-cut - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	6	0	<= 100	Listeria monocytogenes	6	0
							>100	Listeria monocytogenes	6	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Fruits - pre-cut - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Fruits - pre-cut - Processing plant - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/food)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Fruits - pre-cut - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Fruits - pre-cut - ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	9	0	<= 100	Listeria monocytogenes	9	0
>100							Listeria monocytogenes	9	0	
	Fruits - pre-cut - ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	6	0	detection	Listeria monocytogenes	6	0
	Fruits - pre-cut - ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
>100							Listeria monocytogenes	3	0	
	Fruits - pre-cut - ready-to-eat - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/food)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Fruits - pre-cut - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/food)	25	Gram	23	1	detection	Listeria monocytogenes	23	1
	Fruits - products - fruit purée - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	4	0	<= 100	Listeria monocytogenes	4	0
>100							Listeria monocytogenes	4	0	
	Fruits - products - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	11	0	<= 100	Listeria monocytogenes	11	0
>100							Listeria monocytogenes	11	0	
	Fruits - products - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Fruits and vegetables - non-pre-cut - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
>100							Listeria monocytogenes	2	0	
	Fruits and vegetables - non-pre-cut - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/food)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Fruits and vegetables - non-pre-cut - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	20	0	<= 100	Listeria monocytogenes	20	0
>100							Listeria monocytogenes	20	0	
	Fruits and vegetables - pre-cut - Packing centre - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
>100							Listeria monocytogenes	1	0	
	Fruits and vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	15	0	detection	Listeria monocytogenes	15	0
	Fruits and vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	10	0	detection	Listeria monocytogenes	10	0
	Fruits and vegetables - pre-cut - ready-to-eat - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	7	0	detection	Listeria monocytogenes	7	0
	Fruits and vegetables - pre-cut - ready-to-eat - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	9	1	<= 100	Listeria monocytogenes	1	1
>100							Listeria monocytogenes	1	0	
	Fruits and vegetables - pre-cut - ready-to-eat - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	9	1	detection	Listeria monocytogenes	9	1

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Fruits and vegetables - pre-cut - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Fruits and vegetables - products - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Infant formula - dried - intended for infants below 6 months - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	6	0	detection	Listeria monocytogenes	6	0
	Infant formula - dried - intended for infants below 6 months - Retail - Not Available - food sample - milk - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	4	0	detection	Listeria monocytogenes	4	0
	Infant formula - dried - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	5	0	detection	Listeria monocytogenes	5	0
	Infant formula - liquid - intended for infants below 6 months - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Millilitre	3	0	detection	Listeria monocytogenes	3	0
	Infant formula - liquid - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Infant formula - ready-to-eat - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/food)	25	Gram	5	0	detection	Listeria monocytogenes	5	0
	Juice - fruit juice - Processing plant - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/food)	25	Gram	4	0	detection	Listeria monocytogenes	4	0
	Juice - fruit juice - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Juice - fruit juice - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Millilitre	14	0	<= 100	Listeria monocytogenes	14	0
							>100	Listeria monocytogenes	14	0
	Juice - fruit juice - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/food)	25	Gram	15	0	detection	Listeria monocytogenes	15	0
	Juice - fruit juice - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	4	0	detection	Listeria monocytogenes	4	0
	Juice - fruit juice - unpasteurised - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Juice - fruit juice - unpasteurised - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Juice - vegetable juice - pasteurised - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Juice - vegetable juice - unpasteurised - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	23	0	<= 100	Listeria monocytogenes	23	0
							>100	Listeria monocytogenes	23	0
	Juice - vegetable juice - unpasteurised - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	10	0	detection	Listeria monocytogenes	10	0
	Juice - vegetable juice - unpasteurised - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
							single (food/food)	25	Gram	4
							>100	Listeria monocytogenes	4	0
	Juice - vegetable juice - unpasteurised - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/food)	25	Millilitre	1	0	detection	Listeria monocytogenes	1	0
	Juice - vegetable juice - unpasteurised - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/food)	25	Millilitre	13	0	detection	Listeria monocytogenes	13	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Live bivalve molluscs - mussels - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Meat from bovine animals - fresh - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Meat from bovine animals - fresh - frozen - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	10	0	<= 100	Listeria monocytogenes	10	0
							>100	Listeria monocytogenes	10	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Meat from bovine animals - meat preparation - intended to be eaten raw - chilled - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/food)	25	Gram	8	0	detection	Listeria monocytogenes	8	0
	Meat from bovine animals - meat preparation - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Meat from bovine animals - meat products - cooked, ready-to-eat - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/food)	25	Gram	10	0	detection	Listeria monocytogenes	10	0
	Meat from bovine animals - meat products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/food)	25	Gram	6	2	detection	Listeria monocytogenes	6	2
	Meat from bovine animals - meat products - unspecified, ready-to-eat - Processing plant - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Meat from bovine animals - meat products - unspecified, ready-to-eat - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	18	0	<= 100	Listeria monocytogenes	18	0
							>100	Listeria monocytogenes	18	0
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	2	2	<= 100	Listeria monocytogenes	2	2
							>100	Listeria monocytogenes	2	0
	Meat from broilers (Gallus gallus) - carcass - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Meat from broilers (Gallus gallus) - fresh - frozen - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	2	0	detection	Listeria monocytogenes	2	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	12	0	<= 100	Listeria monocytogenes	12	0
							>100	Listeria monocytogenes	12	0
Not Available	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
							<= 100	Listeria monocytogenes	1	0
Not Available	Meat from broilers (Gallus gallus) - meat products - cooked, ready-to-eat - chilled - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
Not Available	Meat from broilers (Gallus gallus) - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
Not Available	Meat from broilers (Gallus gallus) - meat products - raw but intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
Not Available	Meat from broilers (Gallus gallus) - meat products - raw but intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
							<= 100	Listeria monocytogenes	1	0
Not Available	Meat from broilers (Gallus gallus) - meat products - raw but intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
							<= 100	Listeria monocytogenes	1	0
Not Available	Meat from deer (venison) - meat products - raw and intended to be eaten raw - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
							<= 100	Listeria monocytogenes	2	0
Not Available	Meat from duck - meat preparation - intended to be eaten raw - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
							<= 100	Listeria monocytogenes	1	0
Not Available	Meat from duck - meat preparation - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
							<= 100	Listeria monocytogenes	1	0
Not Available	Meat from duck - meat products - cooked, ready-to-eat - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
Not Available	Meat from duck - meat products - cooked, ready-to-eat - chilled - Retail - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/food)	25	Gram	10	0	<= 100	Listeria monocytogenes	10	0
							>100	Listeria monocytogenes	10	0
Not Available	Meat from duck - meat products - cooked, ready-to-eat - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	24	0	<= 100	Listeria monocytogenes	24	0
							>100	Listeria monocytogenes	24	0
Not Available	Meat from duck - meat products - cooked, ready-to-eat - chilled - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/food)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
							<= 100	Listeria monocytogenes	3	0
Not Available	Meat from duck - meat products - raw and intended to be eaten raw - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
							<= 100	Listeria monocytogenes	1	0
Not Available	Meat from other animal species or not specified - meat preparation - intended to be eaten cooked - frozen - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
							<= 100	Listeria monocytogenes	1	0
Not Available	Meat from other animal species or not specified - meat preparation - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	14	0	<= 100	Listeria monocytogenes	14	0
							>100	Listeria monocytogenes	14	0
Not Available	Meat from other animal species or not specified - meat preparation - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	3	3	detection	Listeria monocytogenes	3	3
							<= 100	Listeria monocytogenes	3	3
Not Available	Meat from other animal species or not specified - meat preparation - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	6	0	<= 100	Listeria monocytogenes	6	0
							>100	Listeria monocytogenes	6	0
Not Available	Meat from other animal species or not specified - meat products - fermented sausages - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/food)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
							<= 100	Listeria monocytogenes	2	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Meat from other animal species or not specified - meat products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	4	1	detection	Listeria monocytogenes	4	1
	Meat from other animal species or not specified - meat products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	59	0	<= 100	Listeria monocytogenes	59	0
							>100	Listeria monocytogenes	59	0
	Meat from other animal species or not specified - meat products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	31	2	detection	Listeria monocytogenes	31	2
	Meat from other animal species or not specified - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Meat from other animal species or not specified - meat products - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	18	0	<= 100	Listeria monocytogenes	18	0
							>100	Listeria monocytogenes	18	0
	Meat from other animal species or not specified - meat products - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Meat from other animal species or not specified - minced meat - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	5	0	<= 100	Listeria monocytogenes	5	0
							>100	Listeria monocytogenes	5	0
	Meat from other animal species or not specified - minced meat - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	10	0	detection	Listeria monocytogenes	10	0
	Meat from other animal species or not specified - offal - frozen - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	9	0	detection	Listeria monocytogenes	9	0
	Meat from other poultry species - meat products - cooked, ready-to-eat - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Meat from other poultry species - meat products - cooked, ready-to-eat - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	6	0	<= 100	Listeria monocytogenes	6	0
							>100	Listeria monocytogenes	6	0
	Meat from pig - fresh - frozen - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	6	0	<= 100	Listeria monocytogenes	6	0
							>100	Listeria monocytogenes	6	0
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Meat from pig - meat preparation - intended to be eaten cooked - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Meat from pig - meat preparation - intended to be eaten raw - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	20	0	detection	Listeria monocytogenes	20	0
	Meat from pig - meat preparation - intended to be eaten raw - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Meat from pig - meat preparation - intended to be eaten raw - Wholesale - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Meat from pig - meat preparation - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	25	Gram	10	0	detection	Listeria monocytogenes	10	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Meat from pig - meat preparation - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/food)	25	Gram	13	2	detection	Listeria monocytogenes	13	2
	Meat from pig - meat preparation - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/food)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Meat from pig - meat preparation - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Meat from pig - meat products - cooked ham - non-sliced - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	10	1	<= 100	Listeria monocytogenes	10	0
							>100	Listeria monocytogenes	10	1
	Meat from pig - meat products - cooked ham - non-sliced - Retail - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Meat from pig - meat products - cooked ham - non-sliced - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Meat from pig - meat products - cooked ham - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Meat from pig - meat products - cooked ham - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	5	1	detection	Listeria monocytogenes	5	1
	Meat from pig - meat products - cooked ham - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/food)	25	Gram	20	0	detection	Listeria monocytogenes	20	0
	Meat from pig - meat products - cooked ham - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	7	0	<= 100	Listeria monocytogenes	7	0
							>100	Listeria monocytogenes	7	0
	Meat from pig - meat products - cooked ham - sliced - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Meat from pig - meat products - cooked ham - sliced - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Meat from pig - meat products - cooked ham - sliced - Retail - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/food)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Meat from pig - meat products - cooked ham - sliced - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	6	0	<= 100	Listeria monocytogenes	6	0
							>100	Listeria monocytogenes	6	0
	Meat from pig - meat products - cooked ham - sliced - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Meat from pig - meat products - cooked, ready-to-eat - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	8	1	<= 100	Listeria monocytogenes	1	1
							>100	Listeria monocytogenes	1	0
		single (food/food)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Meat from pig - meat products - cooked, ready-to-eat - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	8	1	detection	Listeria monocytogenes	8	1
	Meat from pig - meat products - cooked, ready-to-eat - chilled - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/food)	25	Gram	3	0	detection	Listeria monocytogenes	3	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Meat from pig - meat products - cooked, ready-to-eat - chilled - Retail - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/feed)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Meat from pig - meat products - cooked, ready-to-eat - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	10	1	<= 100	Listeria monocytogenes	10	0
							>100	Listeria monocytogenes	10	1
	Meat from pig - meat products - cooked, ready-to-eat - chilled - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/feed)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Meat from pig - meat products - cooked, ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	4	0	<= 100	Listeria monocytogenes	4	0
							>100	Listeria monocytogenes	4	0
	Meat from pig - meat products - cooked, ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	20	1	detection	Listeria monocytogenes	20	1
	Meat from pig - meat products - cooked, ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	4	0	detection	Listeria monocytogenes	4	0
	Meat from pig - meat products - cooked, ready-to-eat - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Meat from pig - meat products - cooked, ready-to-eat - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Meat from pig - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	5	0	<= 100	Listeria monocytogenes	5	0
							>100	Listeria monocytogenes	5	0
	Meat from pig - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	5	0	detection	Listeria monocytogenes	5	0
	Meat from pig - meat products - fermented sausages - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	36	1	<= 100	Listeria monocytogenes	36	1
							>100	Listeria monocytogenes	36	0
	Meat from pig - meat products - fermented sausages - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	36	1	detection	Listeria monocytogenes	36	1
	Meat from pig - meat products - fermented sausages - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	4	0	detection	Listeria monocytogenes	4	0
	Meat from pig - meat products - fermented sausages - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	4	0	<= 100	Listeria monocytogenes	4	0
							>100	Listeria monocytogenes	4	0
	Meat from pig - meat products - fermented sausages - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	20	0	detection	Listeria monocytogenes	20	0
	Meat from pig - meat products - fresh raw sausages - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/feed)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Meat from pig - meat products - meat specialities - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Meat from pig - meat products - meat specialities - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	15	0	detection	Listeria monocytogenes	15	0
	Meat from pig - meat products - meat specialities - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	11	0	detection	Listeria monocytogenes	11	0
	Meat from pig - meat products - meat specialities - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	7	0	detection	Listeria monocytogenes	7	0
	Meat from pig - meat products - meat specialities - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	15	0	detection	Listeria monocytogenes	15	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Meat from pig - meat products - meat specialties - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	12	0	detection	Listeria monocytogenes	12	0
	Meat from pig - meat products - pâté - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/food)	25	Gram	20	0	detection	Listeria monocytogenes	20	0
	Meat from pig - meat products - pâté - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	2	0
	Meat from pig - meat products - pâté - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/food)	25	Gram	30	0	detection	Listeria monocytogenes	30	0
	Meat from pig - meat products - pâté - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
>100							Listeria monocytogenes	1	0	
	Meat from pig - meat products - pâté - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	4	0	<= 100	Listeria monocytogenes	4	0
>100							Listeria monocytogenes	4	0	
	Meat from pig - meat products - Processing plant - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch (food/food)	25	Gram	17	0	detection	Listeria monocytogenes	17	0
	Meat from pig - meat products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/food)	25	Gram	116	20	detection	Listeria monocytogenes	116	20
	Meat from pig - meat products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	1	detection	Listeria monocytogenes	1	1
					2	0	detection	Listeria monocytogenes	2	0
	Meat from pig - meat products - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	4	0	<= 100	Listeria monocytogenes	4	0
>100							Listeria monocytogenes	4	0	
					17	0	<= 100	Listeria monocytogenes	17	0
>100					Listeria monocytogenes	17	0			
	Meat from pig - meat products - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	4	0	detection	Listeria monocytogenes	4	0
					13	7	detection	Listeria monocytogenes	13	7
					100	1	detection	Listeria monocytogenes	100	1
	Meat from pig - meat products - raw and intended to be eaten raw - Processing plant - Not Available - food sample - Monitoring - Official sampling - Suspect sampling	single (food/food)	25	Gram	1	1	<= 100	Listeria monocytogenes	1	1
>100							Listeria monocytogenes	1	0	
	Meat from pig - meat products - raw and intended to be eaten raw - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	10	Gram	42	21	<= 100	Listeria monocytogenes	21	20
>100							Listeria monocytogenes	21	1	
	Meat from pig - meat products - raw and intended to be eaten raw - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	42	21	detection	Listeria monocytogenes	42	21
	Meat from pig - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
>100							Listeria monocytogenes	1	0	
	Meat from pig - meat products - raw but intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
>100							Listeria monocytogenes	3	0	
	Meat from pig - meat products - raw but intended to be eaten cooked - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Meat from pig - meat products - raw ham - Packing centre - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	4	0	detection	Listeria monocytogenes	4	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Meat from pig - meat products - raw ham - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/feed)	25	Gram	5	0	detection	Listeria monocytogenes	5	0
	Meat from pig - meat products - raw ham - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	9	0	detection	Listeria monocytogenes	9	0
	Meat from pig - meat products - raw ham - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	6	0	detection	Listeria monocytogenes	6	0
	Meat from pig - meat products - raw ham - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/feed)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Meat from pig - meat products - raw ham - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Meat from pig - meat products - Retail - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch (food/feed)	25	Gram	29	0	detection	Listeria monocytogenes	29	0
	Meat from pig - meat products - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/feed)	25	Gram	7	0	<= 100	Listeria monocytogenes	7	0
							>100	Listeria monocytogenes	7	0
	Meat from pig - meat products - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	30	1	<= 100	Listeria monocytogenes	1	1
							>100	Listeria monocytogenes	1	0
	Meat from pig - meat products - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	30	1	detection	Listeria monocytogenes	30	1
	Meat from pig - meat products - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feed)	25	Gram	64	1	<= 100	Listeria monocytogenes	64	0
							>100	Listeria monocytogenes	64	1
	Meat from pig - meat products - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
					4	0	<= 100	Listeria monocytogenes	4	0
							>100	Listeria monocytogenes	4	0
	Meat from pig - meat products - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	100	3	detection	Listeria monocytogenes	100	3
	Meat from pig - meat products - unspecified, ready-to-eat - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	13	0	<= 100	Listeria monocytogenes	13	0
							>100	Listeria monocytogenes	13	0
	Meat from pig - meat products - Wholesale - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch (food/feed)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Meat from pig - meat products - Wholesale - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/feed)	25	Gram	5	0	<= 100	Listeria monocytogenes	5	0
							>100	Listeria monocytogenes	5	0
	Meat from pig - meat products - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feed)	25	Gram	9	0	<= 100	Listeria monocytogenes	9	0
							>100	Listeria monocytogenes	9	0
	Meat from poultry, unspecified - meat preparation - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feed)	25	Gram	3	1	detection	Listeria monocytogenes	3	1
	Meat from poultry, unspecified - meat preparation - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feed)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Meat from poultry, unspecified - meat products - cooked, ready-to-eat - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Meat from poultry, unspecified - meat products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feeder)	25	Gram	11	0	detection	Listeria monocytogenes	11	0
	Meat from poultry, unspecified - meat products - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feeder)	25	Gram	12	0	<= 100	Listeria monocytogenes	12	0
							>100	Listeria monocytogenes	12	0
	Meat from poultry, unspecified - meat products - unspecified, ready-to-eat - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feeder)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Meat from poultry, unspecified - meat products - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feeder)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Meat from sheep - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeder)	25	Gram	5	0	detection	Listeria monocytogenes	5	0
	Meat from turkey - meat products - cooked, ready-to-eat - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Meat from turkey - meat products - cooked, ready-to-eat - chilled - Retail - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/feeder)	25	Gram	6	0	<= 100	Listeria monocytogenes	6	0
							>100	Listeria monocytogenes	6	0
	Meat from turkey - meat products - cooked, ready-to-eat - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feeder)	25	Gram	14	0	<= 100	Listeria monocytogenes	14	0
							>100	Listeria monocytogenes	14	0
	Meat from turkey - meat products - cooked, ready-to-eat - chilled - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeder)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Meat from turkey - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/feeder)	25	Gram	15	0	detection	Listeria monocytogenes	15	0
	Meat from turkey - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feeder)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Meat from turkey - meat products - preserved - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	9	0	detection	Listeria monocytogenes	9	0
	Meat from turkey - meat products - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeder)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Meat from turkey - meat products - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/feeder)	25	Gram	4	0	<= 100	Listeria monocytogenes	4	0
							>100	Listeria monocytogenes	4	0
	Meat from turkey - meat products - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feeder)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Meat from turkey - meat products - Wholesale - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/feeder)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Meat, mixed meat - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Meat, mixed meat - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	6	0	<= 100	Listeria monocytogenes	6	0
							>100	Listeria monocytogenes	6	0
	Meat, mixed meat - meat preparation - intended to be eaten cooked - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/feeder)	25	Gram	10	0	detection	Listeria monocytogenes	10	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Meat, mixed meat - meat products - cooked, ready-to-eat - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	8	0	detection	Listeria monocytogenes	8	0
	Meat, mixed meat - meat products - cooked, ready-to-eat - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
>100							Listeria monocytogenes	2	0	
	Meat, mixed meat - meat products - pâté - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
>100							Listeria monocytogenes	1	0	
	Meat, mixed meat - meat products - raw and intended to be eaten raw - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	9	0	detection	Listeria monocytogenes	9	0
	Meat, mixed meat - meat products - raw and intended to be eaten raw - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	13	0	detection	Listeria monocytogenes	13	0
	Meat, red meat (meat from bovines, pigs, goats, sheep, horses, donkeys, bison and water buffalos) - meat products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Meat, red meat (meat from bovines, pigs, goats, sheep, horses, donkeys, bison and water buffalos) - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
>100							Listeria monocytogenes	1	0	
	Milk from other animal species or unspecified - pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Milk from other animal species or unspecified - pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
>100							Listeria monocytogenes	3	0	
	Milk from other animal species or unspecified - pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	9	0	detection	Listeria monocytogenes	9	0
	Milk from other animal species or unspecified - pasteurised milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	5	0	<= 100	Listeria monocytogenes	5	0
>100							Listeria monocytogenes	5	0	
	Milk from other animal species or unspecified - UHT milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Milk, cows' - pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Millilitre	5	0	detection	Listeria monocytogenes	5	0
	Milk, cows' - pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Millilitre	3	0	detection	Listeria monocytogenes	3	0
	Milk, cows' - pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	5	0	detection	Listeria monocytogenes	5	0
	Milk, cows' - pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
>100							Listeria monocytogenes	1	0	
	Milk, cows' - pasteurised milk - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Millilitre	50	0	detection	Listeria monocytogenes	50	0
	Milk, cows' - pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Millilitre	7	0	detection	Listeria monocytogenes	7	0
	Milk, cows' - pasteurised milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Milk, cows' - pasteurised milk - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	13	0	detection	Listeria monocytogenes	13	0
	Milk, cows' - raw milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Millilitre	6	0	detection	Listeria monocytogenes	6	0
	Milk, goats' - raw milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Millilitre	1	0	detection	Listeria monocytogenes	1	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Milk, goats' - raw milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Milk, goats' - raw milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Milk, goats' - raw milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Milk, goats' - raw milk for manufacture - intended for manufacture of pasteurised/UHT products - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Millilitre	1	0	detection	Listeria monocytogenes	1	0
	Molluscan shellfish - cooked - chilled - Conservation facilities - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Molluscan shellfish - cooked - chilled - Retail - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	17	1	<= 100	Listeria monocytogenes	17	0
							>100	Listeria monocytogenes	17	1
	Molluscan shellfish - cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	39	0	<= 100	Listeria monocytogenes	39	0
							>100	Listeria monocytogenes	39	0
	Molluscan shellfish - cooked - chilled - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Molluscan shellfish - cooked - frozen - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Molluscan shellfish - cooked - frozen - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	12	0	<= 100	Listeria monocytogenes	12	0
							>100	Listeria monocytogenes	12	0
	Molluscan shellfish - cooked - frozen - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	5	0	<= 100	Listeria monocytogenes	5	0
							>100	Listeria monocytogenes	5	0
	Molluscan shellfish - cooked - frozen - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Molluscan shellfish - cooked - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Molluscan shellfish - cooked - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Molluscan shellfish - cooked - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	10	0	detection	Listeria monocytogenes	10	0
	Molluscan shellfish - raw - frozen - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Molluscan shellfish - raw - frozen - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Molluscan shellfish - raw - Wholesale - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	9	0	<= 100	Listeria monocytogenes	9	0
							>100	Listeria monocytogenes	9	0
	Molluscan shellfish - shelled, shucked and cooked - frozen - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	25	Gram	30	0	detection	Listeria monocytogenes	30	0
	Other processed food products and prepared dishes - cereal bars - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Other processed food products and prepared dishes - egg based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Other processed food products and prepared dishes - egg based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - egg based dishes - Processing plant - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - egg based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - egg based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
		single (food/fee d)	25	Gram	48	0	<= 100	Listeria monocytogenes	48	0
							>100	Listeria monocytogenes	48	0
	Other processed food products and prepared dishes - egg based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - egg based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
		single (food/fee d)	25	Gram	10	0	<= 100	Listeria monocytogenes	10	0
							>100	Listeria monocytogenes	10	0
	Other processed food products and prepared dishes - egg based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Other processed food products and prepared dishes - egg based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	10	0	<= 100	Listeria monocytogenes	10	0
							>100	Listeria monocytogenes	10	0
	Other processed food products and prepared dishes - egg based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	100	0	<= 100	Listeria monocytogenes	100	0
							>100	Listeria monocytogenes	100	0
	Other processed food products and prepared dishes - egg based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - egg based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - egg based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - egg based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - egg based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - egg based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	10	0	<= 100	Listeria monocytogenes	10	0
							>100	Listeria monocytogenes	10	0
	Other processed food products and prepared dishes - egg based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	33	0	<= 100	Listeria monocytogenes	33	0
							>100	Listeria monocytogenes	33	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Other processed food products and prepared dishes - egg based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	6	0	detection	Listeria monocytogenes	6	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
>100							Listeria monocytogenes	3	0	
	Other processed food products and prepared dishes - fish and seafood based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Catering - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
>100							Listeria monocytogenes	1	0	
	Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
>100							Listeria monocytogenes	3	0	
	Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Convenient sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
>100							Listeria monocytogenes	1	0	
	Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	6	0	detection	Listeria monocytogenes	6	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	74	0	<= 100	Listeria monocytogenes	74	0
>100							Listeria monocytogenes	74	0	
	Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	4	0	<= 100	Listeria monocytogenes	4	0
>100							Listeria monocytogenes	4	0	
	Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
>100							Listeria monocytogenes	1	0	
		single (food/fee d)	25	Gram	12	0	<= 100	Listeria monocytogenes	12	0
>100							Listeria monocytogenes	12	0	
	Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	4	0	detection	Listeria monocytogenes	4	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	9	0	<= 100	Listeria monocytogenes	9	0
>100							Listeria monocytogenes	9	0	
	Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	20	0	<= 100	Listeria monocytogenes	20	0
>100							Listeria monocytogenes	20	0	
	Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	5	0	detection	Listeria monocytogenes	5	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	7	0	detection	Listeria monocytogenes	7	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	7	0	<= 100	Listeria monocytogenes	7	0
							>100	Listeria monocytogenes	7	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	65	0	<= 100	Listeria monocytogenes	65	0
							>100	Listeria monocytogenes	65	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	15	0	detection	Listeria monocytogenes	15	0
	Other processed food products and prepared dishes - Hospital or medical care facility - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	65	0	detection	Listeria monocytogenes	65	0
	Other processed food products and prepared dishes - ices and similar frozen desserts - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	6	0	detection	Listeria monocytogenes	6	0
	Other processed food products and prepared dishes - ices and similar frozen desserts - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	6	0	<= 100	Listeria monocytogenes	6	0
							>100	Listeria monocytogenes	6	0
	Other processed food products and prepared dishes - ices and similar frozen desserts - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - ices and similar frozen desserts - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Other processed food products and prepared dishes - ices and similar frozen desserts - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	28	0	<= 100	Listeria monocytogenes	28	0
							>100	Listeria monocytogenes	28	0
	Other processed food products and prepared dishes - legumes based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Other processed food products and prepared dishes - legumes based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - legumes based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - legumes based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	36	0	<= 100	Listeria monocytogenes	36	0
							>100	Listeria monocytogenes	36	0
	Other processed food products and prepared dishes - legumes based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	11	0	<= 100	Listeria monocytogenes	11	0
							>100	Listeria monocytogenes	11	0
		single (food/fee d)	25	Gram	6	0	<= 100	Listeria monocytogenes	6	0
							>100	Listeria monocytogenes	6	0
	Other processed food products and prepared dishes - legumes based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	6	0	detection	Listeria monocytogenes	6	0
	Other processed food products and prepared dishes - legumes based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	4	0	detection	Listeria monocytogenes	4	0
	Other processed food products and prepared dishes - legumes based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	17	0	<= 100	Listeria monocytogenes	17	0
							>100	Listeria monocytogenes	17	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Other processed food products and prepared dishes - legumes based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - legumes based dishes - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - legumes based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	15	0	<= 100	Listeria monocytogenes	15	0
							>100	Listeria monocytogenes	15	0
	Other processed food products and prepared dishes - legumes based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	4	0	detection	Listeria monocytogenes	4	0
	Other processed food products and prepared dishes - meat based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	6	0	<= 100	Listeria monocytogenes	6	0
							>100	Listeria monocytogenes	6	0
	Other processed food products and prepared dishes - meat based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Other processed food products and prepared dishes - meat based dishes - Catering - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - meat based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	4	0	detection	Listeria monocytogenes	4	0
							<= 100	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - meat based dishes - Processing plant - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - meat based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	8	0	detection	Listeria monocytogenes	8	0
	Other processed food products and prepared dishes - meat based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	106	0	<= 100	Listeria monocytogenes	106	0
							>100	Listeria monocytogenes	106	0
	Other processed food products and prepared dishes - meat based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - meat based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	6	0	detection	Listeria monocytogenes	6	0
	Other processed food products and prepared dishes - meat based dishes - Processing plant - Not Available - Not Available - Surveillance - Official, based on Regulation 854/2004 - Objective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	7	0	<= 100	Listeria monocytogenes	7	0
							>100	Listeria monocytogenes	7	0
	Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	16	0	<= 100	Listeria monocytogenes	16	0
							>100	Listeria monocytogenes	16	0
	Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
							single (food/fee d)	25	Gram	9
	Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	4	0	detection	Listeria monocytogenes	4	0
	Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	9	1	<= 100	Listeria monocytogenes	9	0
							>100	Listeria monocytogenes	9	1

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	30	0	<= 100	Listeria monocytogenes	30	0
							>100	Listeria monocytogenes	30	0
	Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	5	0	detection	Listeria monocytogenes	5	0
	Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	13	0	detection	Listeria monocytogenes	13	0
	Other processed food products and prepared dishes - meat based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - meat based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Other processed food products and prepared dishes - meat based dishes - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	9	0	detection	Listeria monocytogenes	9	0
	Other processed food products and prepared dishes - meat based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	6	0	<= 100	Listeria monocytogenes	6	0
							>100	Listeria monocytogenes	6	0
	Other processed food products and prepared dishes - meat based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	79	0	<= 100	Listeria monocytogenes	79	0
							>100	Listeria monocytogenes	79	0
	Other processed food products and prepared dishes - meat based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	19	0	detection	Listeria monocytogenes	19	0
	Other processed food products and prepared dishes - meat based dishes - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - meat based dishes - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Other processed food products and prepared dishes - mushroom based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	9	0	<= 100	Listeria monocytogenes	9	0
							>100	Listeria monocytogenes	9	0
	Other processed food products and prepared dishes - mushroom based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - mushroom based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Other processed food products and prepared dishes - pasta - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - pasta - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	8	0	detection	Listeria monocytogenes	8	0
	Other processed food products and prepared dishes - pasta - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	6	0	<= 100	Listeria monocytogenes	6	0
							>100	Listeria monocytogenes	6	0
	Other processed food products and prepared dishes - pasta - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - pasta - simple pasta - Processing plant - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Other processed food products and prepared dishes - pasta - simple pasta - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	12	1	<= 100	Listeria monocytogenes	12	0
							>100	Listeria monocytogenes	12	1
	Other processed food products and prepared dishes - pasta - simple pasta - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - pasta - simple pasta - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	4	0	<= 100	Listeria monocytogenes	4	0
							>100	Listeria monocytogenes	4	0
	Other processed food products and prepared dishes - pasta - simple pasta - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - pasta based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	6	0	<= 100	Listeria monocytogenes	6	0
							>100	Listeria monocytogenes	6	0
	Other processed food products and prepared dishes - pasta based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Other processed food products and prepared dishes - pasta based dishes - Catering - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - pasta based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - pasta based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
		single (food/fee d)	25	Gram	20	0	<= 100	Listeria monocytogenes	20	0
							>100	Listeria monocytogenes	20	0
	Other processed food products and prepared dishes - pasta based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
		single (food/fee d)	25	Gram	4	0	detection	Listeria monocytogenes	4	0
	Other processed food products and prepared dishes - pasta based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	4	0	detection	Listeria monocytogenes	4	0
	Other processed food products and prepared dishes - pasta based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Other processed food products and prepared dishes - pasta based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - pasta based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Other processed food products and prepared dishes - pasta/rice salad - Processing plant - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - pasta/rice salad - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	4	0	<= 100	Listeria monocytogenes	4	0
							>100	Listeria monocytogenes	4	0
	Other processed food products and prepared dishes - pasta/rice salad - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Other processed food products and prepared dishes - pasta/rice salad - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - pasta/rice salad - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - pizza and pizza-like dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
							detection	Listeria monocytogenes	3	0
	Other processed food products and prepared dishes - pizza and pizza-like dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - pizza and pizza-like dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - pizza and pizza-like dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - potato based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	7	0	<= 100	Listeria monocytogenes	7	0
							>100	Listeria monocytogenes	7	0
	Other processed food products and prepared dishes - potato based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	2	1	detection	Listeria monocytogenes	2	1
	Other processed food products and prepared dishes - potato based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - potato based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - potato based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	40	0	<= 100	Listeria monocytogenes	40	0
							>100	Listeria monocytogenes	40	0
	Other processed food products and prepared dishes - potato based dishes - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - potato based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
		single (food/fee d)	25	Gram	18	0	<= 100	Listeria monocytogenes	18	0
							>100	Listeria monocytogenes	18	0
	Other processed food products and prepared dishes - potato based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	81	0	<= 100	Listeria monocytogenes	81	0
							>100	Listeria monocytogenes	81	0
	Other processed food products and prepared dishes - potato based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	4	0	<= 100	Listeria monocytogenes	4	0
							>100	Listeria monocytogenes	4	0
	Other processed food products and prepared dishes - potato based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - potato based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	4	0	<= 100	Listeria monocytogenes	4	0
							>100	Listeria monocytogenes	4	0
	Other processed food products and prepared dishes - potato based dishes - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Other processed food products and prepared dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Other processed food products and prepared dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	21	0	<= 100	Listeria monocytogenes	9	0
							>100	Listeria monocytogenes	9	0
	Other processed food products and prepared dishes - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	4	0	detection	Listeria monocytogenes	4	0
	Other processed food products and prepared dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	491	3	<= 100	Listeria monocytogenes	491	0
							>100	Listeria monocytogenes	491	3
	Other processed food products and prepared dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
							detection	Listeria monocytogenes	135	0
	Other processed food products and prepared dishes - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	32	0	<= 100	Listeria monocytogenes	25	0
							>100	Listeria monocytogenes	25	0
	Other processed food products and prepared dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	14	1	<= 100	Listeria monocytogenes	14	0
							>100	Listeria monocytogenes	14	1
	Other processed food products and prepared dishes - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	33	1	<= 100	Listeria monocytogenes	33	1
							>100	Listeria monocytogenes	33	0
	Other processed food products and prepared dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	6	0	<= 100	Listeria monocytogenes	6	0
							>100	Listeria monocytogenes	6	0
	Other processed food products and prepared dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	92	0	<= 100	Listeria monocytogenes	179	0
							>100	Listeria monocytogenes	179	0
	Other processed food products and prepared dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	4	0	detection	Listeria monocytogenes	92	0
	Other processed food products and prepared dishes - rice based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	4	0	<= 100	Listeria monocytogenes	4	0
							>100	Listeria monocytogenes	4	0
	Other processed food products and prepared dishes - rice based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - rice based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	3	0	detection	Listeria monocytogenes	3	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Other processed food products and prepared dishes - rice based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	21	0	<= 100	Listeria monocytogenes	21	0
							>100	Listeria monocytogenes	21	0
Not Available	Other processed food products and prepared dishes - rice based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
							<= 100	Listeria monocytogenes	4	0
Not Available	Other processed food products and prepared dishes - rice based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	4	0	>100	Listeria monocytogenes	4	0
							<= 100	Listeria monocytogenes	5	0
Not Available	Other processed food products and prepared dishes - rice based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	5	0	<= 100	Listeria monocytogenes	5	0
							>100	Listeria monocytogenes	5	0
Not Available	Other processed food products and prepared dishes - rice based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	5	0	detection	Listeria monocytogenes	5	0
							<= 100	Listeria monocytogenes	10	0
Not Available	Other processed food products and prepared dishes - rice based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	10	0	>100	Listeria monocytogenes	10	0
							detection	Listeria monocytogenes	1	0
Not Available	Other processed food products and prepared dishes - rice based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
Not Available	Other processed food products and prepared dishes - rice based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
Not Available	Other processed food products and prepared dishes - rice based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	8	0	<= 100	Listeria monocytogenes	8	0
							>100	Listeria monocytogenes	8	0
Not Available	Other processed food products and prepared dishes - rice based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	14	0	detection	Listeria monocytogenes	14	0
							detection	Listeria monocytogenes	1	0
Not Available	Other processed food products and prepared dishes - sandwiches - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
							<= 100	Listeria monocytogenes	1	0
Not Available	Other processed food products and prepared dishes - sandwiches - non-meat - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	>100	Listeria monocytogenes	1	0
							<= 100	Listeria monocytogenes	13	0
Not Available	Other processed food products and prepared dishes - sandwiches - non-meat - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	13	0	<= 100	Listeria monocytogenes	13	0
							>100	Listeria monocytogenes	13	0
Not Available	Other processed food products and prepared dishes - sandwiches - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
							<= 100	Listeria monocytogenes	1	0
Not Available	Other processed food products and prepared dishes - sandwiches - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	>100	Listeria monocytogenes	1	0
							<= 100	Listeria monocytogenes	1	0
Not Available	Other processed food products and prepared dishes - sandwiches - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
Not Available	Other processed food products and prepared dishes - sandwiches - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
Not Available	Other processed food products and prepared dishes - sandwiches - with meat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
							<= 100	Listeria monocytogenes	1	0
Not Available	Other processed food products and prepared dishes - sandwiches - with meat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	>100	Listeria monocytogenes	1	0
							<= 100	Listeria monocytogenes	1	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Other processed food products and prepared dishes - sandwiches - with meat - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - sushi - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - sushi - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	10	2	detection	Listeria monocytogenes	10	2
	Other processed food products and prepared dishes - sushi - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - unspecified - Catering - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/food)	25	Gram	74	0	detection	Listeria monocytogenes	74	0
	Other processed food products and prepared dishes - unspecified - containing raw egg - Processing plant - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - unspecified - containing raw egg - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/food)	25	Gram	32	0	detection	Listeria monocytogenes	32	0
	Other processed food products and prepared dishes - unspecified - Processing plant - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/food)	25	Gram	54	1	detection	Listeria monocytogenes	54	1
	Other processed food products and prepared dishes - unspecified - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/food)	25	Gram	4	0	detection	Listeria monocytogenes	4	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	31	0	detection	Listeria monocytogenes	31	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - chilled - Retail - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/food)	25	Gram	20	0	<= 100	Listeria monocytogenes	20	0
							>100	Listeria monocytogenes	20	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	32	0	<= 100	Listeria monocytogenes	32	0
							>100	Listeria monocytogenes	32	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	4	0	<= 100	Listeria monocytogenes	4	0
							>100	Listeria monocytogenes	4	0
		single (food/food)	25	Gram	12	0	<= 100	Listeria monocytogenes	12	0
							>100	Listeria monocytogenes	12	0
					60	6	<= 100	Listeria monocytogenes	6	6
							>100	Listeria monocytogenes	6	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	60	6	detection	Listeria monocytogenes	60	6
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	5	0	<= 100	Listeria monocytogenes	5	0
							>100	Listeria monocytogenes	5	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	5	0	<= 100	Listeria monocytogenes	5	0
							>100	Listeria monocytogenes	5	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - unspecified - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - unspecified - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	17	0	detection	Listeria monocytogenes	17	0
	Other processed food products and prepared dishes - unspecified - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	34	0	detection	Listeria monocytogenes	34	0
	Other processed food products and prepared dishes - unspecified - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	25	Gram	29	0	detection	Listeria monocytogenes	29	0
	Other processed food products and prepared dishes - unspecified - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	127	0	detection	Listeria monocytogenes	127	0
	Other processed food products and prepared dishes - unspecified - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	103	0	detection	Listeria monocytogenes	103	0
	Other processed food products and prepared dishes - unspecified - Wholesale - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	7	0	detection	Listeria monocytogenes	7	0
	Other processed food products and prepared dishes - vegetable based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Other processed food products and prepared dishes - vegetable based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - vegetable based dishes - Catering - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	15	0	detection	Listeria monocytogenes	15	0
	Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	72	1	<= 100	Listeria monocytogenes	72	0
							>100	Listeria monocytogenes	72	1
	Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	5	0	<= 100	Listeria monocytogenes	5	0
							>100	Listeria monocytogenes	5	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	16	0	<= 100	Listeria monocytogenes	16	0
							>100	Listeria monocytogenes	16	0
	Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	11	0	detection	Listeria monocytogenes	11	0
	Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	5	0	detection	Listeria monocytogenes	5	0
	Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	13	0	<= 100	Listeria monocytogenes	13	0
							>100	Listeria monocytogenes	13	0
	Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	22	0	<= 100	Listeria monocytogenes	22	0
							>100	Listeria monocytogenes	22	0
	Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	5	0	detection	Listeria monocytogenes	5	0
	Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	7	0	detection	Listeria monocytogenes	7	0
	Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	19	0	<= 100	Listeria monocytogenes	19	0
							>100	Listeria monocytogenes	19	0
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	8	0	detection	Listeria monocytogenes	8	0
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	15	0	<= 100	Listeria monocytogenes	15	0
							>100	Listeria monocytogenes	15	0
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	8	0	detection	Listeria monocytogenes	8	0
	Ready-to-eat salads - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	31	0	<= 100	Listeria monocytogenes	31	0
							>100	Listeria monocytogenes	31	0
	Ready-to-eat salads - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	10	0	detection	Listeria monocytogenes	10	0
	Ready-to-eat salads - containing mayonnaise - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Ready-to-eat salads - containing mayonnaise - Processing plant - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Ready-to-eat salads - containing mayonnaise - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	12	0	<= 100	Listeria monocytogenes	12	0
							>100	Listeria monocytogenes	12	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Ready-to-eat salads - containing mayonnaise - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Ready-to-eat salads - containing mayonnaise - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Ready-to-eat salads - containing mayonnaise - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	4	0	detection	Listeria monocytogenes	4	0
	Ready-to-eat salads - containing mayonnaise - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	5	1	<= 100	Listeria monocytogenes	5	0
							>100	Listeria monocytogenes	5	1
	Ready-to-eat salads - containing mayonnaise - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	9	0	<= 100	Listeria monocytogenes	9	0
							>100	Listeria monocytogenes	9	0
	Ready-to-eat salads - containing mayonnaise - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	28	0	detection	Listeria monocytogenes	28	0
	Ready-to-eat salads - containing mayonnaise - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	23	0	detection	Listeria monocytogenes	23	0
	Ready-to-eat salads - containing mayonnaise - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	69	0	<= 100	Listeria monocytogenes	69	0
							>100	Listeria monocytogenes	69	0
	Ready-to-eat salads - containing mayonnaise - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	20	0	detection	Listeria monocytogenes	20	0
	Ready-to-eat salads - containing mayonnaise - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Ready-to-eat salads - Packing centre - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Ready-to-eat salads - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Ready-to-eat salads - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Ready-to-eat salads - Processing plant - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	3	0	<= 100	Listeria monocytogenes	3	0
							>100	Listeria monocytogenes	3	0
	Ready-to-eat salads - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	33	0	<= 100	Listeria monocytogenes	33	0
							>100	Listeria monocytogenes	33	0
	Ready-to-eat salads - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
									20	0
							>100	Listeria monocytogenes	20	0
	Ready-to-eat salads - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Ready-to-eat salads - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Ready-to-eat salads - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	44	0	<= 100	Listeria monocytogenes	44	0
							>100	Listeria monocytogenes	44	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Ready-to-eat salads - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	207	0	<= 100	Listeria monocytogenes	207	0
							>100	Listeria monocytogenes	207	0
	Ready-to-eat salads - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	13	0	detection	Listeria monocytogenes	13	0
		single (food/food)	25	Gram	65	0	detection	Listeria monocytogenes	65	0
	Ready-to-eat salads - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/food)	25	Gram	5	1	detection	Listeria monocytogenes	5	1
	Ready-to-eat salads - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/food)	25	Gram	8	0	<= 100	Listeria monocytogenes	8	0
							>100	Listeria monocytogenes	8	0
	Ready-to-eat salads - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	26	0	<= 100	Listeria monocytogenes	26	0
							>100	Listeria monocytogenes	26	0
	Ready-to-eat salads - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Ready-to-eat salads - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/food)	25	Gram	12	0	detection	Listeria monocytogenes	12	0
	Ready-to-eat salads - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	208	0	<= 100	Listeria monocytogenes	208	0
							>100	Listeria monocytogenes	208	0
	Ready-to-eat salads - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	56	0	detection	Listeria monocytogenes	56	0
	Sauce and dressings - mayonnaise - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	1	1	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	1
	Sauce and dressings - mayonnaise - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Sauce and dressings - mayonnaise - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/food)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Sauce and dressings - mayonnaise - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Sauce and dressings - Packing centre - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Sauce and dressings - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/food)	25	Gram	6	0	detection	Listeria monocytogenes	6	0
	Sauce and dressings - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Sauce and dressings - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Sauce and dressings - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/food)	25	Gram	6	0	detection	Listeria monocytogenes	6	0
	Sauce and dressings - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/food)	25	Gram	11	0	detection	Listeria monocytogenes	11	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Sauce and dressings - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/food)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Sauce and dressings - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	28	0	<= 100	Listeria monocytogenes	28	0
							>100	Listeria monocytogenes	28	0
	Sauce and dressings - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Seeds, sprouted - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	16	0	detection	Listeria monocytogenes	16	0
	Seeds, sprouted - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	7	0	detection	Listeria monocytogenes	7	0
	Seeds, sprouted - ready-to-eat - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Seeds, sprouted - ready-to-eat - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	7	0	detection	Listeria monocytogenes	7	0
	Soups - dehydrated - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/food)	25	Gram	8	0	detection	Listeria monocytogenes	8	0
	Soups - dehydrated - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/food)	25	Gram	389	1	detection	Listeria monocytogenes	389	1
	Soups - frozen - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/food)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Soups - ready-to-eat - Processing plant - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Soups - ready-to-eat - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	5	0	<= 100	Listeria monocytogenes	5	0
							>100	Listeria monocytogenes	5	0
	Soups - ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/food)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Soups - ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	7	0	<= 100	Listeria monocytogenes	7	0
							>100	Listeria monocytogenes	7	0
	Soups - ready-to-eat - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	4	0	<= 100	Listeria monocytogenes	4	0
							>100	Listeria monocytogenes	4	0
	Soups - ready-to-eat - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Spices and herbs - dried - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	22	0	<= 100	Listeria monocytogenes	22	0
							>100	Listeria monocytogenes	22	0
	Spices and herbs - dried - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	4	0	detection	Listeria monocytogenes	4	0
					20	0	detection	Listeria monocytogenes	20	0
	Spices and herbs - dried - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	21	0	detection	Listeria monocytogenes	21	0
	Spices and herbs - dried - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	24	0	<= 100	Listeria monocytogenes	24	0
							>100	Listeria monocytogenes	24	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Surimi - chilled - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Surimi - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	10	0	detection	Listeria monocytogenes	10	0
	Surimi - chilled - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/food)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Vegetables - bean - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Vegetables - leaves - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Vegetables - leaves - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Vegetables - leaves - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
>100							Listeria monocytogenes	2	0	
	Vegetables - leaves - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Vegetables - pre-cut - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Vegetables - pre-cut - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
	Vegetables - pre-cut - ready-to-eat - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/food)	25	Gram	21	1	detection	Listeria monocytogenes	21	1
	Vegetables - pre-cut - ready-to-eat - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Vegetables - pre-cut - ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	21	0	<= 100	Listeria monocytogenes	21	0
							>100	Listeria monocytogenes	21	0
	Vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
							single (food/food)	25	Gram	15
	Vegetables - pre-cut - ready-to-eat - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Vegetables - pre-cut - ready-to-eat - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/food)	25	Gram	75	0	detection	Listeria monocytogenes	75	0
	Vegetables - pre-cut - ready-to-eat - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	7	0	detection	Listeria monocytogenes	7	0
	Vegetables - pre-cut - ready-to-eat - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Vegetables - pre-cut - ready-to-eat - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	25	0	detection	Listeria monocytogenes	25	0
	Vegetables - pre-cut - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Vegetables - products - canned - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/food)	25	Gram	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Vegetables - products - dried - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Vegetables - products - fruit purée - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Vegetables - products - fruit purée - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Millilitre	6	0	<= 100	Listeria monocytogenes	6	0
							>100	Listeria monocytogenes	6	0
	Vegetables - products - fruit purée - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Millilitre	3	2	detection	Listeria monocytogenes	3	2
	Vegetables - products - fruit purée - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	5	0	<= 100	Listeria monocytogenes	5	0
							>100	Listeria monocytogenes	5	0
							<= 100	Listeria monocytogenes	18	0
							>100	Listeria monocytogenes	18	0
	Vegetables - products - fruit purée - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/food)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Vegetables - products - fruit purée - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	10	0	detection	Listeria monocytogenes	10	0
	Vegetables - products - fruit purée - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Millilitre	4	0	<= 100	Listeria monocytogenes	4	0
							>100	Listeria monocytogenes	4	0
	Vegetables - products - fruit purée - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Millilitre	1	0	<= 100	Listeria monocytogenes	1	0
							>100	Listeria monocytogenes	1	0
	Vegetables - products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	12	0	<= 100	Listeria monocytogenes	12	0
							>100	Listeria monocytogenes	12	0
	Vegetables - products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	2	0	detection	Listeria monocytogenes	2	0
	Vegetables - products - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Vegetables - products - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	1	0	detection	Listeria monocytogenes	1	0
	Vegetables - products - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/food)	25	Gram	6	0	<= 100	Listeria monocytogenes	6	0
							>100	Listeria monocytogenes	6	0

Table Lyssavirus:LYSSAVIRUS in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Method	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
SPAIN	Bats - wild - Natural habitat - Spain - animal sample - brain - Monitoring - passive - Official sampling - Suspect sampling	Not Available	animal	232	0	Lyssavirus	0
	Cats - pet animals - Veterinary clinics - Spain - animal sample - brain - Monitoring - passive - Official sampling - Suspect sampling	Not Available	animal	20	0	Lyssavirus	0
	Dogs - pet animals - Veterinary clinics - Spain - animal sample - brain - Monitoring - passive - Official sampling - Suspect sampling	Not Available	animal	39	0	Lyssavirus	0
	Ferrets - wild - Natural habitat - Spain - animal sample - brain - Monitoring - passive - Official sampling - Suspect sampling	Not Available	animal	1	0	Lyssavirus	0
	Foxes - wild - Natural habitat - Spain - animal sample - brain - Monitoring - passive - Official sampling - Suspect sampling	Not Available	animal	4	0	Lyssavirus	0
	Rats - wild - Natural habitat - Spain - animal sample - brain - Monitoring - passive - Official sampling - Suspect sampling	Not Available	animal	11	0	Lyssavirus	0

Table Marine biotoxins:MARINE BIOTOXINS in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Live bivalve molluscs - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	1	Gram	Not Available	10	2	Marine biotoxins	2
	Molluscan shellfish - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feed)	100	Gram	Detection method presence in x g	39	0	Marine biotoxins	0
	Molluscan shellfish - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feed)	100	Gram	Detection method presence in x g	20	0	Marine biotoxins	0

Table Mycobacterium:MYCOBACTERIUM in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Method	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
SPAIN	Badgers - wild - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling	Microbiological tests	animal	230	2	Mycobacterium tuberculosis complex (MTC)	2
	Deer - wild - fallow deer - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling	Microbiological tests	animal	150	1	Mycobacterium tuberculosis complex (MTC)	1
	Deer - wild - red deer - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling	Microbiological tests	animal	949	205	Mycobacterium tuberculosis complex (MTC)	205
	Deer - wild - roe deer - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling	Microbiological tests	animal	72	0	Mycobacterium	0
	Foxes - wild - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling	Microbiological tests	animal	21	0	Mycobacterium	0
	Goats - Farm - Spain - animal sample - Monitoring - active - Official sampling - Selective sampling	Microbiological tests	animal	2507	1100	Mycobacterium tuberculosis complex (MTC)	1,100
	Goats - Farm - Spain - animal sample - Monitoring - active - Official sampling - Selective sampling	Skin test	animal	553164	12248	Mycobacterium spp., unspecified	12,248
	Wild boars - wild - Hunting - Spain - animal sample - organ/tissue - Monitoring - active - Official sampling - Convenient sampling	Microbiological tests	animal	5404	718	Mycobacterium tuberculosis complex (MTC)	718

Table Mycobacterium:MYCOBACTERIUM in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from bovine animals - carcass - Slaughterhouse - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	single (food/feed)	100	Gram	Visual inspection	97488	76	Mycobacterium spp., unspecified	76
	Meat from bovine animals - carcass - Slaughterhouse - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	single (food/feed)	25	Gram	Visual inspection	121131	657	Mycobacterium spp., unspecified	657
	Meat from bovine animals - carcass - Slaughterhouse - Not Available - Not Available - Control and eradication programmes - Official sampling - Census	single (food/feed)	25	Gram	Visual inspection	125	36	Mycobacterium bovis	36
	Meat from bovine animals - carcass - Slaughterhouse - Not Available - Not Available - Control and eradication programmes - Official sampling - Not specified	single (food/feed)	25	Gram	Not Available	7968	358	Mycobacterium spp., unspecified	358
	Meat from bovine animals - carcass - Slaughterhouse - Not Available - Not Available - Control and eradication programmes - Official sampling - Objective sampling	single (food/feed)	50	Gram	Not Available	43378	8	Mycobacterium bovis	8
	Meat from bovine animals - carcass - Slaughterhouse - Not Available - Not Available - Control and eradication programmes - Official sampling - Objective sampling	single (food/feed)	25	Gram	PCR	59	1	Mycobacterium spp., unspecified	1
	Meat from bovine animals - carcass - Slaughterhouse - Not Available - Not Available - Control and eradication programmes - Official, based on Regulation 854/2004 - Convenient sampling	single (food/feed)	25	Gram	Visual inspection	70319	304	Mycobacterium spp., unspecified	304
	Meat from bovine animals - carcass - Slaughterhouse - Not Available - Not Available - Control and eradication programmes - Official, based on Regulation 854/2004 - Suspect sampling	single (food/feed)	100	Gram	Not Available	1638	214	Mycobacterium spp., unspecified	214
	Meat from bovine animals - carcass - Slaughterhouse - Not Available - Not Available - Monitoring - Official, based on Regulation 854/2004 - Suspect sampling	single (food/feed)	100	Gram	Visual inspection	39	19	Mycobacterium tuberculosis	19
	Meat from bovine animals - carcass - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	Not Available	83041	21	Mycobacterium spp., unspecified	21
	Meat from bovine animals - carcass - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Suspect sampling	single (food/feed)	25	Gram	PCR	1	0	Mycobacterium	0
	Meat from bovine animals - carcass - Slaughterhouse - Not Available - Not Available - Surveillance - Official, based on Regulation 854/2004 - Not specified	single (food/feed)	100	Gram	Not Available	171096	51	Mycobacterium spp., unspecified	51
	Meat from bovine animals - carcass - Slaughterhouse - Not Available - Not Available - Survey - national survey - Official sampling - Not specified	slaughter animal batch	100	Gram	Not Available	14787	11	Mycobacterium tuberculosis	11
	Meat from bovine animals - carcass - Slaughterhouse - Spain - food sample - Control and eradication programmes - Official, based on Regulation 854/2004 - Census	single (food/feed)	25	Gram	PCR	417552	332	Mycobacterium bovis	332
	Meat from bovine animals - carcass - Slaughterhouse - Spain - food sample - Monitoring - Official, based on Regulation 854/2004 - Objective sampling	single (food/feed)	25	Gram	Not Available	517120	6	Mycobacterium spp., unspecified	6
	Meat from bovine animals - carcass - Slaughterhouse - Spain - food sample - Surveillance - Official sampling - Census	single (food/feed)	25	Gram	Visual inspection	12253	32	Mycobacterium	32
						54729	33	Mycobacterium	33
	Meat from bovine animals - carcass - Slaughterhouse - Spain - food sample - Surveillance - Official sampling - Suspect sampling	single (food/feed)	25	Gram	Visual inspection	208218	29	Mycobacterium bovis	29
	Meat from broilers (Gallus gallus) - carcass - Slaughterhouse - Spain - food sample - Surveillance - Official, based on Regulation 854/2004 - Suspect sampling	single (food/feed)	25	Gram	PCR	61279841	0	Mycobacterium	0
	Meat from deer (venison) - carcass - Game handling establishment - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	single (food/feed)	25	Gram	Visual inspection	87517	6	Mycobacterium spp., unspecified	6
	Meat from deer (venison) - carcass - Game handling establishment - Not Available - Not Available - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	Not Available	105898	45	Mycobacterium spp., unspecified	45
	Meat from deer (venison) - carcass - Game handling establishment - Not Available - Not Available - Surveillance - Official, based on Regulation 854/2004 - Not specified	single (food/feed)	100	Gram	Not Available	70435	128	Mycobacterium spp., unspecified	128
	Meat from deer (venison) - carcass - Game handling establishment - Spain - food sample - Surveillance - Official sampling - Census	single (food/feed)	25	Gram	Visual inspection	170	1	Mycobacterium	1
	Meat from deer (venison) - carcass - Hunting - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	single (food/feed)	100	Gram	Visual inspection	2042	14	Mycobacterium spp., unspecified	14

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from deer (venison) - carcass - Hunting - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	single (food/feed)	25	Gram	Visual inspection	42943	802	Mycobacterium spp., unspecified	802
	Meat from deer (venison) - carcass - Hunting - Spain - food sample - Surveillance - Official, based on Regulation 854/2004 - Suspect sampling	single (food/feed)	25	Gram	PCR	14148	0	Mycobacterium	0
	Meat from deer (venison) - carcass - Slaughterhouse - Not Available - Not Available - Surveillance - Official, based on Regulation 854/2004 - Not specified	single (food/feed)	100	Gram	Not Available	934	35	Mycobacterium spp., unspecified	35
	Meat from goat - carcass - Slaughterhouse - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	single (food/feed)	100	Gram	Visual inspection	27206	347	Mycobacterium spp., unspecified	347
	Meat from goat - carcass - Slaughterhouse - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	single (food/feed)	25	Gram	Visual inspection	35998	1573	Mycobacterium spp., unspecified	1,573
	Meat from goat - carcass - Slaughterhouse - Not Available - Not Available - Control and eradication programmes - Official sampling - Census	single (food/feed)	50	Gram	Not Available	1967	0	Mycobacterium	0
	Meat from goat - carcass - Slaughterhouse - Not Available - Not Available - Control and eradication programmes - Official, based on Regulation 854/2004 - Convenient sampling	single (food/feed)	25	Gram	Visual inspection	39049	982	Mycobacterium spp., unspecified	982
	Meat from goat - carcass - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	Not Available	45582 9	0	Mycobacterium	0
	Meat from goat - carcass - Slaughterhouse - Not Available - Not Available - Surveillance - Official, based on Regulation 854/2004 - Not specified	single (food/feed)	100	Gram	Not Available	12821 9	582	Mycobacterium spp., unspecified	582
	Meat from goat - carcass - Slaughterhouse - Spain - food sample - Control and eradication programmes - Official, based on Regulation 854/2004 - Census	single (food/feed)	25	Gram	PCR	12889 0	268	Mycobacterium Mycobacterium tuberculosis	0 268
	Meat from goat - carcass - Slaughterhouse - Spain - food sample - Monitoring - Official, based on Regulation 854/2004 - Objective sampling	single (food/feed)	25	Gram	Not Available	13868 8	8	Mycobacterium spp., unspecified	8
	Meat from goat - carcass - Slaughterhouse - Spain - food sample - Surveillance - Official sampling - Census	single (food/feed)	25	Gram	Visual inspection	20015	186	Mycobacterium	186
	Meat from horse - carcass - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	Not Available	687	0	Mycobacterium	0
	Meat from horse - carcass - Slaughterhouse - Spain - food sample - Surveillance - Official, based on Regulation 854/2004 - Suspect sampling	single (food/feed)	25	Gram	PCR	4371	0	Mycobacterium	0
	Meat from pig - carcass - Slaughterhouse - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	single (food/feed)	100	Gram	Visual inspection	10126 26	1	Mycobacterium spp., unspecified	1
	Meat from pig - carcass - Slaughterhouse - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	single (food/feed)	25	Gram	Visual inspection	67757 7	352	Mycobacterium spp., unspecified	352
	Meat from pig - carcass - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	Not Available	34450 03	347	Mycobacterium spp., unspecified	347
	Meat from pig - carcass - Slaughterhouse - Not Available - Not Available - Surveillance - Official, based on Regulation 854/2004 - Not specified	single (food/feed)	100	Gram	Not Available	38774 44	50	Mycobacterium spp., unspecified	50
	Meat from pig - carcass - Slaughterhouse - Spain - food sample - Surveillance - Official sampling - Census	single (food/feed)	25	Gram	Visual inspection	45963	1	Mycobacterium	1
	Meat from pig - carcass - Slaughterhouse - Spain - food sample - Surveillance - Official, based on Regulation 854/2004 - Suspect sampling	single (food/feed)	25	Gram	PCR	62671 38	977	Mycobacterium tuberculosis complex (MTC)	977
	Meat from pig - carcass - Slaughterhouse - Spain - food sample - Unspecified - Official, based on Regulation 854/2004 - Not specified	single (food/feed)	25	Gram	PCR	11322 49	0	Mycobacterium	0
	Meat from rabbit - carcass - Slaughterhouse - Spain - food sample - Surveillance - Official, based on Regulation 854/2004 - Suspect sampling	single (food/feed)	25	Gram	PCR	72942 45	0	Mycobacterium	0
	Meat from sheep - carcass - Slaughterhouse - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	single (food/feed)	100	Gram	Visual inspection	10517 3	0	Mycobacterium	0
	Meat from sheep - carcass - Slaughterhouse - Not Available - Not Available - Control and eradication programmes - Official, based on Regulation 854/2004 - Convenient sampling	single (food/feed)	25	Gram	Visual inspection	22306 4	5	Mycobacterium spp., unspecified	5
	Meat from sheep - carcass - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	Not Available	56374 8	2	Mycobacterium spp., unspecified	2

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from sheep - carcass - Slaughterhouse - Spain - food sample - Surveillance - Official sampling - Census	single (food/feed)	25	Gram	Visual inspection	328986	4	Mycobacterium	4
	Meat from sheep - carcass - Slaughterhouse - Spain - food sample - Surveillance - Official, based on Regulation 854/2004 - Selective sampling	single (food/feed)	25	Gram	PCR	2933157	0	Mycobacterium	0
	Meat from sheep - carcass - Slaughterhouse - Spain - food sample - Surveillance - Official, based on Regulation 854/2004 - Suspect sampling	single (food/feed)	25	Gram	PCR	220879	0	Mycobacterium	0
	Meat from wild boar - carcass - Game handling establishment - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	single (food/feed)	25	Gram	Visual inspection	55531	0	Mycobacterium	0
	Meat from wild boar - carcass - Game handling establishment - Not Available - Not Available - Surveillance - Official sampling - Not specified	single (food/feed)	25	Gram	Not Available	74898	45	Mycobacterium spp., unspecified	45
	Meat from wild boar - carcass - Game handling establishment - Not Available - Not Available - Surveillance - Official, based on Regulation 854/2004 - Not specified	single (food/feed)	100	Gram	Not Available	43481	94	Mycobacterium spp., unspecified	94
	Meat from wild boar - carcass - Game handling establishment - Spain - food sample - Monitoring - Official, based on Regulation 854/2004 - Census	single (food/feed)	25	Gram	Not Available	8818	6	Mycobacterium spp., unspecified	6
	Meat from wild boar - carcass - Game handling establishment - Spain - food sample - Surveillance - Official sampling - Census	single (food/feed)	25	Gram	Visual inspection	257	0	Mycobacterium	0
	Meat from wild boar - carcass - Hunting - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	single (food/feed)	100	Gram	Visual inspection	5703	36	Mycobacterium spp., unspecified	36
	Meat from wild boar - carcass - Hunting - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	single (food/feed)	25	Gram	Visual inspection	18854	2162	Mycobacterium spp., unspecified	2,162
	Meat from wild game - land mammals - carcass - Game handling establishment - Spain - food sample - Surveillance - Official sampling - Census	single (food/feed)	25	Gram	Visual inspection	1	0	Mycobacterium	0

Table Parasites:PARASITES in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Method	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Pigs - Unspecified - Not Available - Not Available - Surveillance - Official sampling - Not specified	Not Available	animal	1678	12	Parasites	12

Table Salmonella:SALMONELLA in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	N of flocks under control programme	Target verification	Method	Total units tested	Total units positive	Zoonoses	N of units positive
SPAIN	Cattle (bovine animals) - calves (under 1 year) - Slaughterhouse - Spain - animal sample - caecum - Monitoring - EFSA specifications - Official sampling - Objective sampling	slaughter animal batch		N_A	Not Available	139	16	Salmonella spp., unspecified	16
	Gallus gallus (fowl) - breeding flocks for broiler production line - adult - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock	1627	Y	Not Available	1627	52	Salmonella 1,4,5,12:i:- Salmonella Enteritidis Salmonella Infantis Salmonella Kedougou Salmonella Mikawasima Salmonella Other serovars Salmonella Toulon Salmonella Typhimurium	2 4 3 1 1 35 4 3
	Gallus gallus (fowl) - breeding flocks for broiler production line - during rearing period - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Industry sampling - Census	herd/flock		N_A	Not Available	916	4	Salmonella Other serovars Salmonella Rissen Salmonella Typhimurium	2 1 1
	Gallus gallus (fowl) - breeding flocks for egg production line - adult - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock	91	Y	Not Available	91	0	Salmonella	0
	Gallus gallus (fowl) - breeding flocks for egg production line - during rearing period - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Industry sampling - Census	herd/flock		N_A	Not Available	46	1	Salmonella Infantis	1
	Gallus gallus (fowl) - breeding flocks, unspecified - adult - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Industry sampling - Census	herd/flock		N_A	Not Available	1665	40	Salmonella 1,4,5,12:i:- Salmonella Enteritidis Salmonella Infantis Salmonella Kentucky Salmonella Mikawasima Salmonella Other serovars Salmonella Typhimurium Salmonella Virchow	1 1 2 2 1 29 3 1
	Gallus gallus (fowl) - breeding flocks, unspecified - adult - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Official sampling - Census	herd/flock		N_A	Not Available	1351	17	Salmonella 1,4,5,12:i:- Salmonella Enteritidis Salmonella Infantis Salmonella Kedougou Salmonella Other serovars Salmonella Toulon	1 4 1 1 7 3
	Gallus gallus (fowl) - broilers - before slaughter - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Industry sampling - Census	herd/flock		N_A	Not Available	39364	1286	Salmonella 1,4,5,12:i:- Salmonella Enteritidis Salmonella spp., unspecified Salmonella Typhimurium	5 6 1,265 14
	Gallus gallus (fowl) - broilers - before slaughter - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock	39421	Y	Not Available	39421	1315	Salmonella 1,4,5,12:i:- Salmonella Enteritidis Salmonella spp., unspecified Salmonella Typhimurium	6 6 1,299 14
	Gallus gallus (fowl) - broilers - before slaughter - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Official sampling - Census	herd/flock		N_A	Not Available	464	42	Salmonella 1,4,5,12:i:- Salmonella Enteritidis Salmonella Other serovars Salmonella Typhimurium	1 0 41 0
	Gallus gallus (fowl) - laying hens - adult - Farm - Spain - animal sample - faeces - Control and eradication programmes - Industry sampling - Census	herd/flock		N_A	Not Available	2667	139	Salmonella 1,4,5,12:i:- Salmonella Enteritidis Salmonella Infantis Salmonella Kentucky Salmonella Ohio Salmonella Other serovars Salmonella Typhimurium	1 6 11 6 6 110 6
	Gallus gallus (fowl) - laying hens - adult - Farm - Spain - animal sample - faeces - Control and eradication programmes - Official and industry sampling - Census	herd/flock	2792	Y	Not Available	2792	239	Salmonella 1,4,5,12:i:- Salmonella Corvallis Salmonella Enteritidis Salmonella Infantis Salmonella Kentucky Salmonella Mbandaka Salmonella Ohio Salmonella Other serovars Salmonella Typhimurium	4 10 26 22 11 10 16 161 13

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	N of flocks under control programme	Target verification	Method	Total units tested	Total units positive	Zoonoses	N of units positive								
SPAIN	Gallus gallus (fowl) - laying hens - adult - Farm - Spain - animal sample - faeces - Control and eradication programmes - Official sampling - Census	herd/flock		N_A	Not Available	792	121	Salmonella 1,4,5,12:i:-	3								
								Salmonella Corvallis	9								
								Salmonella Enteritidis	22								
								Salmonella Infantis	13								
								Salmonella Kentucky	5								
								Salmonella Mbandaka	7								
								Salmonella Ohio	11								
								Salmonella Other serovars	58								
								Salmonella Typhimurium	8								
								Salmonella spp., unspecified	26								
	Gallus gallus (fowl) - laying hens - during rearing period - Farm - Spain - animal sample - faeces - Control and eradication programmes - Industry sampling - Census	herd/flock			N_A	Not Available	1260	26	Salmonella spp., unspecified	26							
									Pigs - fattening pigs - Slaughterhouse - Spain - animal sample - caecum - Monitoring - EFSA specifications - Official sampling - Objective sampling	slaughter animal batch		N_A	Not Available	384	164	Salmonella 1,4,5,12:i:-	57
																Salmonella Brandenburg	8
																Salmonella Derby	15
																Salmonella Rissen	43
	Salmonella spp., unspecified	21															
	Salmonella Typhimurium	20															
	Turkeys - breeding flocks, unspecified - adult - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Industry sampling - Census	herd/flock			N_A	Not Available	100	6	Salmonella Other serovars	6							
									Turkeys - breeding flocks, unspecified - adult - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock	102	Y	Not Available	102	9	Salmonella spp., unspecified	7
	Salmonella Typhimurium	3															
Turkeys - breeding flocks, unspecified - adult - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Official sampling - Census	herd/flock			N_A	Not Available	44	4	Salmonella Other serovars	1								
								Salmonella Typhimurium	3								
Turkeys - fattening flocks - before slaughter - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Industry sampling - Census	herd/flock			N_A	Not Available	3970	762	Salmonella 1,4,5,12:i:-	3								
								Salmonella Kentucky	57								
								Salmonella Other serovars	691								
								Salmonella Typhimurium	12								
Turkeys - fattening flocks - before slaughter - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock	3976	Y	Not Available	3976	774	Salmonella 1,4,5,12:i:-	3									
							Salmonella Kentucky	60									
							Salmonella Other serovars	703									
							Salmonella Typhimurium	12									
Turkeys - fattening flocks - before slaughter - Farm - Spain - environmental sample - boot swabs - Control and eradication programmes - Official sampling - Census	herd/flock			N_A	Not Available	76	15	Salmonella 1,4,5,12:i:-	0								
								Salmonella Other serovars	15								
								Salmonella Typhimurium	0								

Table Salmonella:SALMONELLA in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	All foodstuffs - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	1	0	Salmonella	0
	Bakery products - bread - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Bakery products - cakes - containing heat-treated cream - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	22	0	Salmonella	0
	Bakery products - cakes - containing heat-treated cream - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	74	0	Salmonella	0
	Bakery products - cakes - containing heat-treated cream - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	3	0	Salmonella	0
	Bakery products - cakes - containing heat-treated cream - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	1	0	Salmonella	0
	Bakery products - cakes - containing heat-treated cream - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	2	0	Salmonella	0
	Bakery products - cakes - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	25	0	Salmonella	0
	Bakery products - cakes - Retail - Not Available - food sample - Monitoring - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Bakery products - cakes - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	11	0	Salmonella	0
	Bakery products - cakes - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Bakery products - cakes - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	25	0	Salmonella	0
	Bakery products - desserts - containing heat-treated cream - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	2	0	Salmonella	0
	Bakery products - desserts - containing heat-treated cream - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	4	0	Salmonella	0
	Bakery products - desserts - containing heat-treated cream - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	6	0	Salmonella	0
	Bakery products - desserts - containing raw cream - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	2	0	Salmonella	0
	Bakery products - desserts - containing raw cream - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	3	3	Salmonella Enteritidis 9	3
	Bakery products - desserts - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Bakery products - desserts - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	17	0	Salmonella	0
	Bakery products - desserts - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Bakery products - desserts - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Bakery products - desserts - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Bakery products - pastry - biscuits - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Bakery products - pastry - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Bakery products - pastry - choux pastry - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Bakery products - pastry - choux pastry - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Bakery products - pastry - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	43	0	Salmonella	0
	Bakery products - pastry - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Bakery products - pastry - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	8	0	Salmonella	0
	Bakery products - pastry - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	17	0	Salmonella	0
	Bakery products - pastry - yeast leavened pastry - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
	Bakery products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	15	0	Salmonella	0
						163	0	Salmonella	0
	Bakery products - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Bakery products - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	9	0	Salmonella	0
						59	0	Salmonella	0
	Bakery products - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Beverages, non-alcoholic - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	10	0	Salmonella	0
	Cereals and meals - flour/meal or finely ground powder - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Cereals and meals - flour/meal or finely ground powder - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Cereals and meals - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Cheeses made from cows' milk - curd - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
		single (food/fee d)	25	Gram	Not Available	8	0	Salmonella	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	11	0	Salmonella	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Cheeses made from cows' milk - fresh - made from raw or low heat-treated milk - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Cheeses made from cows' milk - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Cheeses made from cows' milk - soft and semi-soft - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	20	1	Salmonella spp., unspecified	1
	Cheeses made from cows' milk - soft and semi-soft - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	13	0	Salmonella	0
	Cheeses made from cows' milk - soft and semi-soft - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Cheeses made from cows' milk - unspecified - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	8	0	Salmonella	0
	Cheeses made from cows' milk - unspecified - made from pasteurised milk - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Cheeses made from goats' milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Cheeses made from goats' milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	11	0	Salmonella	0
	Cheeses made from goats' milk - fresh - made from pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Cheeses made from goats' milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	44	0	Salmonella	0
	Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	31	0	Salmonella	0
	Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Cheeses made from goats' milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	9	0	Salmonella	0
	Cheeses made from goats' milk - hard - made from raw or low heat-treated milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	4	1	Salmonella spp., unspecified	1
	Cheeses made from goats' milk - hard - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579-1:2017 Salmonella	1	0	Salmonella	0
	Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	8	0	Salmonella	0
	Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Cheeses made from goats' milk - soft and semi-soft - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Cheeses made from goats' milk - soft and semi-soft - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Cheeses made from goats' milk - unspecified - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
	Cheeses made from sheep's milk - hard - made from pasteurised milk - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
	Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579-1:2017 Salmonella	8	0	Salmonella	0
	Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	3	0	Salmonella	0
	Cheeses made from sheep's milk - hard - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	19	0	Salmonella	0
	Cheeses made from sheep's milk - hard - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579-1:2017 Salmonella	10	0	Salmonella	0
	Cheeses made from sheep's milk - soft and semi-soft - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579-1:2017 Salmonella	3	0	Salmonella	0
	Cheeses made from sheep's milk - unspecified - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Cheeses made from sheep's milk - unspecified - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Cheeses made from sheep's milk - unspecified - made from raw or low heat-treated milk - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	7	0	Salmonella	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from raw or low heat-treated milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - hard - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - hard - made from raw or low heat-treated milk - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	25	0	Salmonella	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	17	0	Salmonella	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - unspecified - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - unspecified - made from pasteurised milk - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - curd - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	16	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Cheeses, made from unspecified milk or other animal milk - curd - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	17	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from pasteurised milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	7	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from pasteurised milk - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from raw or low heat-treated milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	11	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - fresh - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	1	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - fresh - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - fresh - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - fresh - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - hard - made from pasteurised milk - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - hard - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	22	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	5	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - soft and semi-soft - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	3	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - unspecified - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	49	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - unspecified - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Crustaceans - lobsters - cooked - chilled - Retail - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	2	0	Salmonella	0
	Crustaceans - lobsters - cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	1	0	Salmonella	0
	Crustaceans - prawns - cooked - chilled - Retail - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	11	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Crustaceans - prawns - cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	10	0	Salmonella	0
	Crustaceans - prawns - cooked - frozen - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	15	0	Salmonella	0
	Crustaceans - prawns - raw - frozen - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Crustaceans - prawns - shelled, shucked and cooked - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	7	0	Salmonella	0
	Crustaceans - prawns - shelled, shucked and cooked - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Crustaceans - shrimps - cooked - frozen - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	1	0	Salmonella	0
	Crustaceans - shrimps - shelled, shucked and cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Crustaceans - shrimps - shelled, shucked and cooked - chilled - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Crustaceans - unspecified - cooked - chilled - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	35	0	Salmonella	0
	Crustaceans - unspecified - cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Crustaceans - unspecified - cooked - chilled - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	10	0	Salmonella	0
	Crustaceans - unspecified - cooked - frozen - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Crustaceans - unspecified - cooked - frozen - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
		single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Crustaceans - unspecified - cooked - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Crustaceans - unspecified - cooked - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Crustaceans - unspecified - cooked - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	30	0	Salmonella	0
	Crustaceans - unspecified - cooked - Wholesale - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Crustaceans - unspecified - cooked - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Dairy products (excluding cheeses) - butter - made from pasteurised milk - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	2	0	Salmonella	0
	Dairy products (excluding cheeses) - butter - made from pasteurised milk - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Dairy products (excluding cheeses) - butter - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Dairy products (excluding cheeses) - cheese analogue - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	2	0	Salmonella	0
	Dairy products (excluding cheeses) - cheese analogue - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Dairy products (excluding cheeses) - cream - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Dairy products (excluding cheeses) - dairy desserts - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Dairy products (excluding cheeses) - dairy desserts - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	22	0	Salmonella	0
	Dairy products (excluding cheeses) - dairy desserts - chilled - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	19	0	Salmonella	0
	Dairy products (excluding cheeses) - dairy desserts - chilled - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	1	Salmonella Enteritidis 9	1
	Dairy products (excluding cheeses) - dairy desserts - chilled - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	1	0	Salmonella	0
	Dairy products (excluding cheeses) - dairy desserts - chilled - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	30	0	Salmonella	0
	Dairy products (excluding cheeses) - dairy desserts - frozen - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Dairy products (excluding cheeses) - dairy desserts - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Dairy products (excluding cheeses) - dairy desserts - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Dairy products (excluding cheeses) - dairy desserts - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Dairy products (excluding cheeses) - dairy desserts - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Dairy products (excluding cheeses) - dairy products, not specified - ready-to-eat - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	28	0	Salmonella	0
	Dairy products (excluding cheeses) - dairy products, not specified - ready-to-eat - Wholesale - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	3	0	Salmonella	0
	Dairy products (excluding cheeses) - dairy products, not specified - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	30	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	20	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002	81	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	8	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	10	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	13	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	6	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	2	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - made from raw or low heat-treated milk - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579-1:2017 Salmonella	1	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - Processing plant - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	22	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Dairy products (excluding cheeses) - ice-cream - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	9	0	Salmonella	0
						21	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	10	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	8	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	7	0	Salmonella	0
						9	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	8	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	30	0	Salmonella	0
	Dairy products (excluding cheeses) - milk powder and whey powder - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	15	0	Salmonella	0
	Dairy products (excluding cheeses) - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Dairy products (excluding cheeses) - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Dairy products (excluding cheeses) - yoghurt - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Egg products - dried - Packing centre - Not Available - food sample - Monitoring - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Egg products - dried - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Egg products - liquid - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Egg products - liquid - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Millilitre	Not Available	6	0	Salmonella	0
	Egg products - liquid - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002	3	0	Salmonella	0
	Egg products - liquid - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Egg products - liquid - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Egg products - liquid - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	20	0	Salmonella	0
	Egg products - non-ready-to-eat - Retail - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Egg products - non-ready-to-eat - Wholesale - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Egg products - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Egg products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Egg products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Egg products - ready-to-eat - Catering - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Egg products - ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Egg products - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	5	0	Salmonella	0
	Egg products - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Eggs - Packing centre - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Eggs - Packing centre - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	70	2	Salmonella	2
	Eggs - Packing centre - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	81	3	Salmonella spp., unspecified	3
	Eggs - Packing centre - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	4	1	Salmonella	1
	Eggs - Packing centre - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	10	0	Salmonella	0
	Eggs - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Eggs - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	10	1	Salmonella spp., unspecified	1
	Eggs - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	12	0	Salmonella	0
	Eggs - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Eggs - table eggs - mixed whole - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	15	0	Salmonella	0
	Eggs - table eggs - mixed whole - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Eggs - table eggs - Packing centre - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	18	2	Salmonella Infantis Salmonella Thompson	1 1
	Eggs - table eggs - Packing centre - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Eggs - table eggs - Packing centre - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002	2	0	Salmonella	0
	Eggs - table eggs - Packing centre - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	21	0	Salmonella	0
	Eggs - table eggs - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002	3	0	Salmonella	0
	Eggs - table eggs - Retail - Not Available - food sample - Monitoring - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	11	0	Salmonella	0
	Eggs - table eggs - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	140	14	Salmonella Anatum Salmonella Infantis Salmonella spp., unspecified Salmonella Typhimurium	4 6 1 3
	Eggs - table eggs - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Eggs - table eggs - shell - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	50	0	Salmonella	0
	Eggs - table eggs - Unspecified - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002	2	0	Salmonella	0
	Eggs - table eggs - whole - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	20	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Fish - cooked - chilled - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	1	0	Salmonella	0
	Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Fish - marinated - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Fish - raw - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	13	0	Salmonella	0
	Fish - raw - frozen - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	2	0	Salmonella	0
	Fish - raw - frozen - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	7	0	Salmonella	0
	Fish - raw - frozen - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	7	0	Salmonella	0
	Fish - raw - frozen - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	7	0	Salmonella	0
	Fish - raw - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Fish - smoked - hot-smoked - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Fish - smoked - Packing centre - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Fish - smoked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	11	0	Salmonella	0
	Fish - smoked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Fish - smoked - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Fish - smoked - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	4	0	Salmonella	0
	Fish - smoked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	10	0	Salmonella	0
	Fish - smoked - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	7	0	Salmonella	0
	Fish - smoked - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
						3	0	Salmonella	0
	Fish - smoked - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	20	0	Salmonella	0
	Fish - unspecified - frozen - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Fish - unspecified - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Fishery products, unspecified - cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Fishery products, unspecified - cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	11	2	Salmonella Typhimurium	2
	Fishery products, unspecified - cooked - chilled - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Fishery products, unspecified - cooked - frozen - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
	Fishery products, unspecified - cooked - frozen - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Fishery products, unspecified - cooked - Processing plant - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	8	0	Salmonella	0
	Fishery products, unspecified - cooked - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	27	0	Salmonella	0
	Fishery products, unspecified - cooked - Wholesale - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	2	0	Salmonella	0
	Fishery products, unspecified - non-ready-to-eat - Processing plant - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002	8	0	Salmonella	0
	Fishery products, unspecified - non-ready-to-eat - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002	5	0	Salmonella	0
	Fishery products, unspecified - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	20	0	Salmonella	0
	Fishery products, unspecified - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Fishery products, unspecified - raw - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Fishery products, unspecified - ready-to-eat - chilled - Processing plant - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002	2	0	Salmonella	0
	Fishery products, unspecified - ready-to-eat - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002	2	0	Salmonella	0
	Fishery products, unspecified - ready-to-eat - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Fishery products, unspecified - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Fishery products, unspecified - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	18	0	Salmonella	0
	Fishery products, unspecified - smoked - Processing plant - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002	4	0	Salmonella	0
	Fishery products, unspecified - smoked - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002	1	0	Salmonella	0
	Fishery products, unspecified - smoked - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Fishery products, unspecified - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Follow-on formulae - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Foodstuffs intended for special nutritional uses - dried dietary foods for special medical purposes intended for infants below 6 months - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Foodstuffs intended for special nutritional uses - dried dietary foods for special medical purposes intended for infants below 6 months - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	2	0	Salmonella	0
	Foodstuffs intended for special nutritional uses - dried dietary foods for special medical purposes intended for infants below 6 months - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Foodstuffs intended for special nutritional uses - other food for infants and children - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	60	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Foodstuffs intended for special nutritional uses - other food for infants and children - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Foodstuffs intended for special nutritional uses - other food for infants and children - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Foodstuffs intended for special nutritional uses - processed cereal-based food for infants and young children - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Foodstuffs intended for special nutritional uses - processed cereal-based food for infants and young children - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Foodstuffs intended for special nutritional uses - processed cereal-based food for infants and young children - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Foodstuffs intended for special nutritional uses - processed cereal-based food for infants and young children - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Foodstuffs intended for special nutritional uses - ready-to-eat meal for infants and young children - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Fruits - edible part - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	9	0	Salmonella	0
		single (food/fee d)	25	Gram	Not Available	40	0	Salmonella	0
	Fruits - pre-cut - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	8	0	Salmonella	0
	Fruits - pre-cut - Processing plant - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	2	0	Salmonella	0
	Fruits - pre-cut - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Fruits - pre-cut - ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	15	0	Salmonella	0
	Fruits - pre-cut - ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	3	0	Salmonella	0
	Fruits - pre-cut - ready-to-eat - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Fruits - pre-cut - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	6	0	Salmonella	0
	Fruits - pre-cut - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	33	0	Salmonella	0
	Fruits - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Fruits - products - fruit purée - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	4	0	Salmonella	0
	Fruits - products - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	14	0	Salmonella	0
	Fruits - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	batch (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Fruits - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Fruits and vegetables - Packing centre - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Fruits and vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	15	0	Salmonella	0
	Fruits and vegetables - pre-cut - ready-to-eat - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	6	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Fruits and vegetables - pre-cut - ready-to-eat - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	9	0	Salmonella	0
	Fruits and vegetables - pre-cut - ready-to-eat - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Fruits and vegetables - pre-cut - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Fruits and vegetables - products - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	2	0	Salmonella	0
	Fruits and vegetables - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Fruits and vegetables - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	27	0	Salmonella	0
	Infant formula - dried - intended for infants below 6 months - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	6	0	Salmonella	0
	Infant formula - dried - intended for infants below 6 months - Retail - Not Available - food sample - milk - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Infant formula - dried - intended for infants below 6 months - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	31	0	Salmonella	0
	Infant formula - dried - intended for infants below 6 months - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Infant formula - dried - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Infant formula - dried - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Infant formula - liquid - intended for infants below 6 months - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Millilitre	Not Available	3	0	Salmonella	0
	Infant formula - liquid - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Infant formula - ready-to-eat - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Infant formula - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	12	0	Salmonella	0
	Juice - fruit juice - Processing plant - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	4	0	Salmonella	0
	Juice - fruit juice - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	2	0	Salmonella	0
	Juice - fruit juice - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Millilitre	Not Available	14	0	Salmonella	0
	Juice - fruit juice - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	15	0	Salmonella	0
	Juice - fruit juice - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
	Juice - fruit juice - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	10	0	Salmonella	0
	Juice - fruit juice - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579-1:2017 Salmonella	1	0	Salmonella	0
	Juice - fruit juice - unpasteurised - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
	Juice - vegetable juice - unpasteurised - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	33	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Juice - vegetable juice - unpasteurised - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
		single (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
	Juice - vegetable juice - unpasteurised - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Millilitre	Not Available	1	0	Salmonella	0
	Juice - vegetable juice - unpasteurised - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Millilitre	Not Available	13	0	Salmonella	0
	Juice - vegetable juice - Wholesale - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Live bivalve molluscs - Conservation facilities - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	16	0	Salmonella	0
	Live bivalve molluscs - mussels - depurated - Conservation facilities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Live bivalve molluscs - mussels - depurated - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	11	0	Salmonella	0
	Live bivalve molluscs - mussels - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Live bivalve molluscs - mussels - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	10	0	Salmonella	0
	Live bivalve molluscs - mussels - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	8	0	Salmonella	0
	Live bivalve molluscs - mussels - Wholesale - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Live bivalve molluscs - oysters - depurated - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Live bivalve molluscs - oysters - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Live bivalve molluscs - oysters - Wholesale - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Live bivalve molluscs - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Live bivalve molluscs - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Live bivalve molluscs - unspecified - depurated - Conservation facilities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Live bivalve molluscs - unspecified - depurated - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002	7	0	Salmonella	0
	Live bivalve molluscs - unspecified - Wholesale - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
	Live bivalve molluscs - Wholesale - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	16	0	Salmonella	0
	Live bivalve molluscs - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
		single (food/fee d)	25	Gram	Not Available	10	1	Salmonella spp., unspecified	1
	Live bivalve molluscs - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Live echinoderms, tunicates and gastropods - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	6	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from bovine animals - carcass - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from bovine animals - carcass - chilled - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	50	3	Salmonella spp., unspecified	3
	Meat from bovine animals - carcass - Slaughterhouse - Not Available - food sample - carcass swabs - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	400	Square centimetre	ISO 6579:2002 Salmonella	20	0	Salmonella	0
	Meat from bovine animals - carcass - Slaughterhouse - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	22	0	Salmonella	0
	Meat from bovine animals - carcass - Slaughterhouse - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	400	Square centimetre	Not Available	6	0	Salmonella	0
	Meat from bovine animals - carcass - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Not specified	slaughte r animal batch	100	Square centimetre	ISO 6579-1:2017 Salmonella	250	5	Salmonella Enteritidis	1
								Salmonella spp., unspecified	4
	Meat from bovine animals - carcass - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	slaughte r animal batch	400	Square centimetre	Not Available	125	6	Salmonella spp., unspecified	6
	Meat from bovine animals - carcass - Slaughterhouse - Spain - food sample - carcass swabs - Surveillance - Official sampling - Objective sampling	slaughte r animal batch	400	Square centimetre	Not Available	250	1	Salmonella Enteritidis 9	1
	Meat from bovine animals - carcass - Slaughterhouse - Spain - food sample - carcass swabs - Surveillance - Official sampling - Objective sampling	single (food/fee d)	400	Square centimetre	ISO 6579:2002 Salmonella	50	2	Salmonella	2
	Meat from bovine animals - fresh - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from bovine animals - fresh - chilled - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from bovine animals - fresh - frozen - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	6	0	Salmonella	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	85	3	Salmonella spp., unspecified	3
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	11	0	Salmonella	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	10	0	Salmonella	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	36	0	Salmonella	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	10	0	Salmonella	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	8	0	Salmonella	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	25	1	Salmonella Typhimurium, monophasic - 4	1
	Meat from bovine animals - meat preparation - intended to be eaten raw - chilled - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	8	0	Salmonella	0
	Meat from bovine animals - meat preparation - Processing plant - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	5	0	Salmonella	0
	Meat from bovine animals - meat preparation - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	2	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from bovine animals - meat preparation - Processing plant - Spain - food sample - Surveillance - Official sampling - Not specified	single (food/fee d)	25	Gram	ISO 6579-1:2017 Salmonella	3	0	Salmonella	0
	Meat from bovine animals - meat preparation - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579-1:2017 Salmonella	11	1	Salmonella spp., unspecified	1
	Meat from bovine animals - meat preparation - Retail - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	32	1	Salmonella Typhimurium	1
	Meat from bovine animals - meat preparation - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from bovine animals - meat preparation - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	17	1	Salmonella spp., unspecified	1
	Meat from bovine animals - meat preparation - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579-1:2017 Salmonella	12	0	Salmonella	0
	Meat from bovine animals - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	15	0	Salmonella	0
	Meat from bovine animals - meat products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Meat from bovine animals - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002	7	0	Salmonella	0
	Meat from bovine animals - meat products - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Meat from bovine animals - meat products - unspecified, ready-to-eat - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002	13	0	Salmonella	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	7	0	Salmonella	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	85	4	Salmonella spp., unspecified	4
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002	1	0	Salmonella	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	15	0	Salmonella	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - frozen - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - frozen - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from bovine animals - minced meat - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	24	0	Salmonella	0
	Meat from bovine animals - minced meat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002	10	0	Salmonella	0
	Meat from bovine animals - minced meat - Wholesale - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feeding)	25	Gram	Not Available	9	0	Salmonella	0
		single (food/feeding)	25	Gram	Not Available	3	1	Salmonella spp., unspecified	1
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feeding)	25	Gram	Not Available	7	0	Salmonella	0
		single (food/feeding)	25	Gram	Not Available	2	0	Salmonella	0
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	2	0	Salmonella	0
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	ISO 6579:2002 Salmonella	4	0	Salmonella	0
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from bovine animals and pig - meat preparation - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Not Available	10	0	Salmonella	0
	Meat from bovine animals and pig - meat preparation - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Not Available	80	0	Salmonella	0
	Meat from bovine animals and pig - meat products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Real-Time PCR (qualitative or quantitative)	1	0	Salmonella	0
	Meat from bovine animals and pig - meat products - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/feeding)	25	Gram	Not Available	2	0	Salmonella	0
	Meat from bovine animals and pig - minced meat - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/feeding)	25	Gram	ISO 6579:2002 Salmonella	5	0	Salmonella	0
	Meat from bovine animals and pig - minced meat - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/feeding)	25	Gram	Not Available	3	0	Salmonella	0
		single (food/feeding)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from broilers (Gallus gallus) - carcass - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from broilers (Gallus gallus) - carcass - chilled - Slaughterhouse - Not Available - food sample - Surveillance - Official sampling - Selective sampling	slaughter animal batch	25	Gram	Not Available	38	9	Salmonella spp., unspecified	9
	Meat from broilers (Gallus gallus) - carcass - chilled - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Not specified	slaughter animal batch	25	Gram	Detection method presence in x g	50	0	Salmonella	0
	Meat from broilers (Gallus gallus) - carcass - chilled - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	160	30	Salmonella spp., unspecified	30
	Meat from broilers (Gallus gallus) - carcass - Slaughterhouse - Spain - food sample - neck skin - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	ISO 6579:2002 Salmonella	200	46	Salmonella	4
								Salmonella Chester	21
								Salmonella Infantis	1
								Salmonella Kentucky	11
								Salmonella Montevideo	2
								Salmonella Tees	1
								Salmonella Typhimurium	4
								Salmonella Virchow	2
	Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Not Available - food sample - Monitoring - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	6	0	Salmonella	0
	Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Not Available	10	1	Salmonella spp., unspecified	1
	Meat from broilers (Gallus gallus) - fresh - frozen - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	2	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from broilers (Gallus gallus) - fresh - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feeder)	25	Gram	Not Available	38	1	Salmonella Enteritidis	1
								Salmonella Infantis	1
								Salmonella Mikawasima	1
								Salmonella spp., unspecified	1
	Meat from broilers (Gallus gallus) - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feeder)	25	Gram	Not Available	29	2	Salmonella Virchow	2
	Meat from broilers (Gallus gallus) - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feeder)	25	Gram	ISO 6579:2002 Salmonella	75	1	Salmonella Infantis	1
	Meat from broilers (Gallus gallus) - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	single (food/feeder)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from broilers (Gallus gallus) - fresh - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeder)	25	Gram	Not Available	125	0	Salmonella	0
	Meat from broilers (Gallus gallus) - fresh - Wholesale - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/feeder)	25	Gram	Not Available	2	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feeder)	25	Gram	ISO 6579:2002	1	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	7	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	9	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	43	2	Salmonella spp., unspecified	2
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	2	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feeder)	25	Gram	Not Available	34	1	Salmonella Infantis	1
								Salmonella Typhimurium	1
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeder)	25	Gram	Not Available	5	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Processing plant - Spain - food sample - Surveillance - Official sampling - Suspect sampling	single (food/feeder)	25	Gram	ISO 6579:2002 Salmonella	1	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feeder)	25	Gram	Not Available	17	1	Salmonella Infantis	1
Salmonella Mikawasima								1	
Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feeder)	25	Gram	Not Available	2	0	Salmonella	0	
Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeder)	25	Gram	ISO 6579:2002 Salmonella	3	2	Salmonella	2	
Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Retail - Spain - food sample - Surveillance - Official sampling - Suspect sampling	single (food/feeder)	25	Gram	ISO 6579:2002 Salmonella	1	0	Salmonella	0	
Meat from broilers (Gallus gallus) - meat preparation - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeder)	25	Gram	ISO 6579-1:2017 Salmonella	6	2	Salmonella spp., unspecified	2	
Meat from broilers (Gallus gallus) - meat preparation - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeder)	25	Gram	ISO 6579-1:2017 Salmonella	2	0	Salmonella	0	
Meat from broilers (Gallus gallus) - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feeder)	25	Gram	Not Available	2	0	Salmonella	0	
Meat from broilers (Gallus gallus) - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feeder)	25	Gram	ISO 6579:2002	7	0	Salmonella	0	
Meat from broilers (Gallus gallus) - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/feeder)	25	Gram	Detection method presence in x g	9	0	Salmonella	0	
Meat from broilers (Gallus gallus) - meat products - raw but intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	5	0	Salmonella	0	

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from broilers (Gallus gallus) - meat products - raw but intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	25	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	8	1	Salmonella Cerro	1
								Salmonella spp., unspecified	1
	Meat from broilers (Gallus gallus) - meat products - raw but intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	8	1	Salmonella Infantis	1
	Meat from broilers (Gallus gallus) - meat products - Wholesale - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579-1:2017 Salmonella	1	0	Salmonella	0
	Meat from broilers (Gallus gallus) - mechanically separated meat (MSM) - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from broilers (Gallus gallus) - minced meat - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from broilers (Gallus gallus) - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Meat from broilers (Gallus gallus) - offal - liver - chilled - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	15	10	Salmonella spp., unspecified	10
	Meat from deer (venison) - meat products - raw and intended to be eaten raw - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Meat from duck - carcass - Slaughterhouse - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Meat from duck - meat preparation - intended to be eaten raw - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Meat from duck - meat products - cooked, ready-to-eat - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	1	0	Salmonella	0
	Meat from duck - meat products - cooked, ready-to-eat - chilled - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	10	0	Salmonella	0
	Meat from duck - meat products - cooked, ready-to-eat - chilled - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	3	0	Salmonella	0
	Meat from duck - meat products - raw and intended to be eaten raw - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Meat from goat - carcass - chilled - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	13	0	Salmonella	0
	Meat from goat - carcass - Slaughterhouse - Not Available - food sample - carcass swabs - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	400	Square centimetre	ISO 6579:2002 Salmonella	5	0	Salmonella	0
	Meat from goat - carcass - Slaughterhouse - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	8	0	Salmonella	0
	Meat from horse - carcass - chilled - Slaughterhouse - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	10	0	Salmonella	0
	Meat from horse - carcass - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	slaughter animal batch	400	Square centimetre	Not Available	50	0	Salmonella	0
	Meat from horse - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from horse - meat preparation - intended to be eaten cooked - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Meat from horse - meat preparation - intended to be eaten cooked - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Meat from other animal species or not specified - meat preparation - intended to be eaten cooked - frozen - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	79	0	Salmonella	0
	Meat from other animal species or not specified - meat preparation - intended to be eaten cooked - frozen - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from other animal species or not specified - meat preparation - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feeding)	25	Gram	Detection method presence in x g	2	0	Salmonella	0
	Meat from other animal species or not specified - meat preparation - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	139	4	Salmonella spp., unspecified	4
	Meat from other animal species or not specified - meat preparation - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feeding)	25	Gram	Detection method presence in x g	8	0	Salmonella	0
	Meat from other animal species or not specified - meat preparation - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	23	0	Salmonella	0
	Meat from other animal species or not specified - meat products - heat treated, ready to eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/feeding)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from other animal species or not specified - meat products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	19	0	Salmonella	0
	Meat from other animal species or not specified - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	2	0	Salmonella	0
	Meat from other animal species or not specified - meat products - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	93	1	Salmonella spp., unspecified	1
	Meat from other animal species or not specified - mechanically separated meat (MSM) - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/feeding)	25	Gram	ISO 16654:2001	5	0	Salmonella	0
	Meat from other animal species or not specified - minced meat - intended to be eaten cooked - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from other animal species or not specified - minced meat - intended to be eaten cooked - Retail - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/feeding)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from other animal species or not specified - offal - frozen - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Detection method presence in x g	16	0	Salmonella	0
	Meat from other poultry species - carcass - chilled - Slaughterhouse - Not Available - food sample - Surveillance - Official sampling - Selective sampling	slaughter animal batch	25	Gram	Not Available	2	0	Salmonella	0
	Meat from other poultry species - meat preparation - Processing plant - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch (food/feeding)	25	Gram	ISO 6579:2002 Salmonella	6	0	Salmonella	0
	Meat from other poultry species - meat preparation - Retail - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch (food/feeding)	25	Gram	ISO 6579:2002 Salmonella	30	3	Salmonella Hadar Salmonella Infantis Salmonella Typhimurium, monophasic	1 1 1
	Meat from other poultry species - meat preparation - Wholesale - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch (food/feeding)	25	Gram	ISO 6579:2002 Salmonella	1	1	Salmonella Typhimurium, monophasic	1
	Meat from other poultry species - meat products - cooked, ready-to-eat - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	ISO 6579:2002	1	0	Salmonella	0
	Meat from other poultry species - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/feeding)	25	Gram	ISO 6579:2002 Salmonella	37	0	Salmonella	0
	Meat from other poultry species - meat products - raw but intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	2	1	Salmonella spp., unspecified	1
	Meat from other poultry species - minced meat - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Unknown	15	0	Salmonella	0
	Meat from other poultry species - minced meat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Unknown	5	0	Salmonella	0
	Meat from pig - carcass - chilled - Slaughterhouse - Not Available - Not Available - Surveillance - based on Regulation 2073 - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	62	1	Salmonella spp., unspecified	1
	Meat from pig - carcass - Slaughterhouse - Not Available - food sample - carcass swabs - Surveillance - based on Regulation 2073 - Official, based on Regulation 854/2004 - Objective sampling	single (food/feeding)	400	Square centimetre	Not Available	49	4	Salmonella spp., unspecified	4
		slaughter animal batch	20	Square centimetre	Not Available	100	4	Salmonella	4

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from pig - carcass - Slaughterhouse - Not Available - food sample - carcass swabs - Surveillance - based on Regulation 2073 - Official, based on Regulation 854/2004 - Objective sampling	single (food/feeder)	400	Square centimetre	ISO 6579:2002 Salmonella	75	9	Salmonella spp., unspecified	9
	Meat from pig - carcass - Slaughterhouse - Not Available - food sample - carcass swabs - Surveillance - based on Regulation 2073 - Official, based on Regulation 854/2004 - Objective sampling	slaughter animal batch	100	Square centimetre	ISO 6579-1:2017 Salmonella	145	5	Salmonella spp., unspecified	5
	Meat from pig - carcass - Slaughterhouse - Not Available - food sample - Monitoring - active - HACCP and own check - Selective sampling	slaughter animal batch	100	Square centimetre	ISO 6579:2002 Salmonella	22	1	Salmonella spp., unspecified	1
	Meat from pig - carcass - Slaughterhouse - Not Available - Not Available - Surveillance - based on Regulation 2073 - HACCP and own check - Objective sampling	single (food/feeder)	400	Square centimetre	Not Available	2746	176	Salmonella	176
	Meat from pig - carcass - Slaughterhouse - Not Available - Not Available - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/feeder)	400	Square centimetre	Not Available	512	105	Salmonella Brandenburg	3
								Salmonella Derby	3
								Salmonella enterica	1
								Salmonella Goldcoast	2
								Salmonella Infantis	5
								Salmonella Rissen	2
								Salmonella spp., unspecified	65
								Salmonella Typhimurium 4	24
	Meat from pig - carcass - Slaughterhouse - Spain - food sample - carcass swabs - Surveillance - based on Regulation 2073 - Official, based on Regulation 854/2004 - Objective sampling	single (food/feeder)	400	Square centimetre	ISO 6579:2002 Salmonella	260	32	Salmonella	2
								Salmonella Altona	1
								Salmonella Anatum	1
								Salmonella Brandenburg	1
								Salmonella Rissen	4
								Salmonella Typhimurium	23
		slaughter animal batch	400	Square centimetre	ISO 6579:2002 Salmonella	20	0	Salmonella	0
	Meat from pig - carcass - Slaughterhouse - Spain - food sample - carcass swabs - Surveillance - Official sampling - Objective sampling	slaughter animal batch	400	Square centimetre	Not Available	50	0	Salmonella	0
	Meat from pig - Cutting plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	3	0	Salmonella	0
	Meat from pig - fresh - frozen - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	4	0	Salmonella	0
	Meat from pig - fresh - Processing plant - Not Available - food sample - Monitoring - Official sampling - Suspect sampling	single (food/feeder)	25	Gram	Not Available	5	0	Salmonella	0
	Meat from pig - fresh - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feeder)	25	Gram	Not Available	5	0	Salmonella	0
	Meat from pig - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeder)	25	Gram	ISO 6579:2002 Salmonella	60	2	Salmonella Rissen	1
								Salmonella Typhimurium	1
	Meat from pig - fresh - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feeder)	25	Gram	Not Available	4	0	Salmonella	0
	Meat from pig - fresh - Slaughterhouse - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feeder)	25	Gram	Not Available	2	1	Salmonella	1
	Meat from pig - meat preparation - Cutting plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeder)	25	Gram	ISO 6579-1:2017 Salmonella	4	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	2	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	10	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeder)	25	Gram	Not Available	5	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	6	2	Salmonella spp., unspecified	2
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	26	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	6	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	31	1	Salmonella Rissen	1
	Meat from pig - meat preparation - intended to be eaten cooked - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten cooked - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	2	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten cooked - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	25	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten cooked - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	2	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten cooked - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	9	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten cooked - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	15	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten cooked - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	1	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten cooked - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten raw - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	19	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten raw - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	3	0	Salmonella	0
	Meat from pig - meat preparation - intended to be eaten raw - Wholesale - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Meat from pig - meat preparation - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	63	6	Salmonella spp., unspecified	6
	Meat from pig - meat preparation - Processing plant - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Meat from pig - meat preparation - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579-1:2017 Salmonella	30	7	Salmonella spp., unspecified	7
	Meat from pig - meat preparation - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	2	1	Salmonella	1
	Meat from pig - meat preparation - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	22	3	Salmonella spp., unspecified	3
	Meat from pig - meat preparation - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579-1:2017 Salmonella	20	4	Salmonella spp., unspecified	4
	Meat from pig - meat preparation - Slaughterhouse - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579-1:2017 Salmonella	3	0	Salmonella	0
	Meat from pig - meat products - cooked ham - non-sliced - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002	4	0	Salmonella	0
	Meat from pig - meat products - cooked ham - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	7	0	Salmonella	0
	Meat from pig - meat products - cooked ham - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	20	0	Salmonella	0
	Meat from pig - meat products - cooked ham - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	7	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from pig - meat products - cooked ham - sliced - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002	1	0	Salmonella	0
	Meat from pig - meat products - cooked ham - sliced - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from pig - meat products - cooked, ready-to-eat - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002	1	0	Salmonella	0
	Meat from pig - meat products - cooked, ready-to-eat - chilled - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	3	0	Salmonella	0
	Meat from pig - meat products - cooked, ready-to-eat - chilled - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	2	0	Salmonella	0
	Meat from pig - meat products - cooked, ready-to-eat - chilled - Retail - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	1	Salmonella	1
	Meat from pig - meat products - cooked, ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	24	0	Salmonella	0
	Meat from pig - meat products - cooked, ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	9	0	Salmonella	0
	Meat from pig - meat products - cooked, ready-to-eat - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Meat from pig - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	30	3	Salmonella spp., unspecified	3
	Meat from pig - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Meat from pig - meat products - cooked, ready-to-eat - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	2	0	Salmonella	0
	Meat from pig - meat products - Cutting plant - Spain - food sample - Surveillance - Official sampling - Not specified	single (food/fee d)	25	Gram	ISO 6579-1:2017 Salmonella	1	0	Salmonella	0
	Meat from pig - meat products - fermented sausages - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	36	0	Salmonella	0
	Meat from pig - meat products - fermented sausages - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	23	1	Salmonella spp., unspecified	1
	Meat from pig - meat products - fermented sausages - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
	Meat from pig - meat products - fermented sausages - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	94	8	Salmonella spp., unspecified	8
	Meat from pig - meat products - fresh raw sausages - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	8	1	Salmonella spp., unspecified	1
	Meat from pig - meat products - fresh raw sausages - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	2	0	Salmonella	0
	Meat from pig - meat products - fresh raw sausages - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	4	0	Salmonella	0
	Meat from pig - meat products - fresh raw sausages - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	20	3	Salmonella spp., unspecified	3
	Meat from pig - meat products - meat specialties - Processing plant - Not Available - food sample - Monitoring - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	20	0	Salmonella	0
	Meat from pig - meat products - meat specialties - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	18	0	Salmonella	0
		single (food/fee d)	25	Gram	Not Available	11	0	Salmonella	0
	Meat from pig - meat products - meat specialties - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	7	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from pig - meat products - meat specialties - Retail - Not Available - food sample - Monitoring - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from pig - meat products - meat specialties - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	15	0	Salmonella	0
	Meat from pig - meat products - meat specialties - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	12	0	Salmonella	0
	Meat from pig - meat products - pâté - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	20	0	Salmonella	0
	Meat from pig - meat products - pâté - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from pig - meat products - pâté - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	30	0	Salmonella	0
	Meat from pig - meat products - pâté - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from pig - meat products - Processing plant - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	17	0	Salmonella	0
	Meat from pig - meat products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	43	4	Salmonella spp., unspecified	4
	Meat from pig - meat products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	1	Salmonella	1
						4	0	Salmonella	0
	Meat from pig - meat products - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	100	1	Salmonella	1
	Meat from pig - meat products - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	1	0	Salmonella	0
	Meat from pig - meat products - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579-1:2017 Salmonella	4	1	Salmonella spp., unspecified	1
	Meat from pig - meat products - raw and intended to be eaten raw - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	42	2	Salmonella	2
	Meat from pig - meat products - raw and intended to be eaten raw - Processing plant - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	2	1	Salmonella	1
	Meat from pig - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002	6	1	Salmonella spp., unspecified	1
	Meat from pig - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	6	0	Salmonella	0
	Meat from pig - meat products - raw but intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	6	0	Salmonella	0
	Meat from pig - meat products - raw but intended to be eaten cooked - frozen - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from pig - meat products - raw but intended to be eaten cooked - frozen - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from pig - meat products - raw but intended to be eaten cooked - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from pig - meat products - raw ham - Packing centre - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
	Meat from pig - meat products - raw ham - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	5	0	Salmonella	0
	Meat from pig - meat products - raw ham - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	9	0	Salmonella	0
	Meat from pig - meat products - raw ham - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	6	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from pig - meat products - raw ham - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Meat from pig - meat products - raw ham - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from pig - meat products - Retail - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch (food/feeding)	25	Gram	ISO 6579:2002 Salmonella	29	0	Salmonella	0
	Meat from pig - meat products - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Not Available	30	0	Salmonella	0
	Meat from pig - meat products - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	single (food/feeding)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from pig - meat products - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feeding)	25	Gram	Detection method presence in x g	14	0	Salmonella	0
	Meat from pig - meat products - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from pig - meat products - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Not Available	100	0	Salmonella	0
	Meat from pig - meat products - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	ISO 6579-1:2017 Salmonella	1	0	Salmonella	0
	Meat from pig - meat products - Slaughterhouse - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	ISO 6579-1:2017 Salmonella	2	1	Salmonella spp., unspecified	1
	Meat from pig - meat products - unspecified, ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	11	0	Salmonella	0
	Meat from pig - meat products - unspecified, ready-to-eat - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	ISO 6579:2002	9	0	Salmonella	0
	Meat from pig - meat products - unspecified, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	10	2	Salmonella spp., unspecified	2
	Meat from pig - meat products - Wholesale - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch (food/feeding)	25	Gram	ISO 6579:2002 Salmonella	1	0	Salmonella	0
	Meat from pig - meat products - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feeding)	25	Gram	Detection method presence in x g	6	0	Salmonella	0
	Meat from pig - mechanically separated meat (MSM) - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Not Available	30	5	Salmonella spp., unspecified	5
	Meat from pig - mechanically separated meat (MSM) - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from pig - minced meat - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from pig - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	4	1	Salmonella spp., unspecified	1
	Meat from pig - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from pig - minced meat - intended to be eaten cooked - chilled - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from pig - minced meat - intended to be eaten cooked - frozen - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from pig - minced meat - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feeding)	25	Gram	Not Available	3	1	Salmonella Typhimurium	1
	Meat from pig - minced meat - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feeding)	25	Gram	Not Available	2	0	Salmonella	0
	Meat from pig - minced meat - intended to be eaten cooked - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Not Available	1	1	Salmonella	1

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from pig - minced meat - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	6	0	Salmonella	0
	Meat from pig - minced meat - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	9	0	Salmonella	0
	Meat from pig - minced meat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002	40	0	Salmonella	0
	Meat from pig - minced meat - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	2	0	Salmonella	0
	Meat from pig - other slaughtering products - blood - Processing plant - Not Available - food sample - Monitoring - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Meat from pig - Slaughterhouse - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	400	Square centimetre	Not Available	232	35	Salmonella spp., unspecified	35
	Meat from poultry, unspecified - carcass - Slaughterhouse - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	181	0	Salmonella	0
	Meat from poultry, unspecified - carcass - Slaughterhouse - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	2	1	Salmonella	1
	Meat from poultry, unspecified - fresh - chilled - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	slaughtering animal batch	25	Gram	Not Available	8	1	Salmonella spp., unspecified	1
	Meat from poultry, unspecified - fresh - Cutting plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	28	0	Salmonella	0
	Meat from poultry, unspecified - fresh - frozen - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from poultry, unspecified - fresh - Packing centre - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	8	0	Salmonella	0
	Meat from poultry, unspecified - fresh - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	2	1	Salmonella Enteritidis	1
	Meat from poultry, unspecified - fresh - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from poultry, unspecified - fresh - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	18	0	Salmonella	0
	Meat from poultry, unspecified - fresh - Slaughterhouse - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	1	Salmonella	1
	Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	7	0	Salmonella	0
	Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	14	3	Salmonella spp., unspecified	3
	Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	1	1	Salmonella	1
	Meat from poultry, unspecified - meat preparation - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	34	1	Salmonella spp., unspecified	1
	Meat from poultry, unspecified - meat preparation - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	37	4	Salmonella spp., unspecified	4
	Meat from poultry, unspecified - meat products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	3	0	Salmonella	0
	Meat from poultry, unspecified - meat products - raw but intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from poultry, unspecified - meat products - raw but intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feeding)	25	Gram	Not Available	3	0	Salmonella	0
	Meat from poultry, unspecified - meat products - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feeding)	25	Gram	Detection method presence in x g	11	0	Salmonella	0
	Meat from poultry, unspecified - meat products - unspecified, ready-to-eat - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	ISO 6579:2002	2	0	Salmonella	0
	Meat from poultry, unspecified - minced meat - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	1	1	Salmonella spp., unspecified	1
	Meat from poultry, unspecified - minced meat - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	3	2	Salmonella spp., unspecified	2
	Meat from poultry, unspecified - minced meat - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feeding)	25	Gram	Detection method presence in x g	6	1	Salmonella spp., unspecified	1
	Meat from poultry, unspecified - minced meat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Unknown	20	0	Salmonella	0
	Meat from poultry, unspecified - minced meat - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feeding)	25	Gram	Detection method presence in x g	7	1	Salmonella spp., unspecified	1
	Meat from poultry, unspecified - minced meat - Retail - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/feeding)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from poultry, unspecified - minced meat - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feeding)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Meat from rabbit - carcass - chilled - Slaughterhouse - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Not Available	4	0	Salmonella	0
	Meat from rabbit - carcass - chilled - Slaughterhouse - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	7	0	Salmonella	0
	Meat from rabbit - carcass - chilled - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	6	0	Salmonella	0
	Meat from rabbit - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	ISO 6579:2002 Salmonella	75	1	Salmonella spp., unspecified	1
	Meat from sheep - carcass - Slaughterhouse - Not Available - food sample - carcass swabs - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/feeding)	400	Square centimetre	ISO 6579:2002 Salmonella	20	0	Salmonella	0
	Meat from sheep - carcass - Slaughterhouse - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feeding)	25	Gram	Not Available	22	2	Salmonella spp., unspecified	2
	Meat from sheep - carcass - Slaughterhouse - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feeding)	400	Square centimetre	Not Available	9	0	Salmonella	0
	Meat from sheep - fresh - Processing plant - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch (food/feeding)	25	Gram	ISO 6579:2002 Salmonella	4	0	Salmonella	0
	Meat from sheep - fresh - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from sheep - fresh - Retail - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch (food/feeding)	25	Gram	ISO 6579:2002 Salmonella	20	0	Salmonella	0
	Meat from sheep - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Not Available	10	1	Salmonella spp., unspecified	1
	Meat from sheep - fresh - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from sheep - fresh - Wholesale - Not Available - food sample - meat - Monitoring - active - Official sampling - Objective sampling	batch (food/feeding)	25	Gram	ISO 6579:2002 Salmonella	4	0	Salmonella	0
	Meat from sheep - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeding)	25	Gram	Not Available	5	0	Salmonella	0
	Meat from turkey - carcass - chilled - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Not specified	slaughter animal batch	25	Gram	Detection method presence in x g	50	18	Salmonella spp., unspecified	18

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from turkey - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from turkey - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	2	1	Salmonella Agona	1
	Meat from turkey - fresh - chilled - Slaughterhouse - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	10	0	Salmonella	0
	Meat from turkey - fresh - chilled - Slaughterhouse - Not Available - food sample - Surveillance - Official sampling - Selective sampling	slaughte r animal batch	25	Gram	Not Available	9	0	Salmonella	0
	Meat from turkey - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	2	1	Salmonella Bredeney	1
	Meat from turkey - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat from turkey - meat products - cooked, ready-to-eat - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	ISO 6579:2002	1	0	Salmonella	0
	Meat from turkey - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	10	0	Salmonella	0
	Meat from turkey - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Meat from turkey - meat products - preserved - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	9	0	Salmonella	0
	Meat from turkey - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	2	0	Salmonella	0
	Meat from turkey - meat products - raw but intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	1	Salmonella Bredeney	1
	Meat from turkey - meat products - raw but intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	19	1	Salmonella Bredeney	1
	Meat from turkey - meat products - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Meat from turkey - minced meat - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	1	Salmonella spp., unspecified	1
	Meat from turkey - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	1	Salmonella spp., unspecified	1
	Meat from turkey - minced meat - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Unknown	10	0	Salmonella	0
	Meat, mixed meat - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	5	1	Salmonella spp., unspecified	1
	Meat, mixed meat - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
	Meat, mixed meat - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	27	0	Salmonella	0
	Meat, mixed meat - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	10	0	Salmonella	0
	Meat, mixed meat - meat preparation - intended to be eaten cooked - chilled - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat, mixed meat - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	13	1	Salmonella Chester	1
								Salmonella Kentucky	1
	Meat, mixed meat - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	3	1	Salmonella Bredeney	1
								Salmonella Infantis	1
								Salmonella Kentucky	1

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat, mixed meat - meat preparation - intended to be eaten cooked - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	10	0	Salmonella	0
	Meat, mixed meat - meat preparation - intended to be eaten cooked - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	1	0	Salmonella	0
	Meat, mixed meat - meat products - fresh raw sausages - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	4	0	Salmonella	0
	Meat, mixed meat - meat products - raw and intended to be eaten raw - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	9	0	Salmonella	0
	Meat, mixed meat - meat products - raw and intended to be eaten raw - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	14	1	Salmonella spp., unspecified	1
	Meat, mixed meat - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	1	0	Salmonella	0
	Meat, mixed meat - meat products - Retail - Not Available - food sample - Monitoring - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat, mixed meat - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat, mixed meat - minced meat - intended to be eaten cooked - chilled - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat, red meat (meat from bovines, pigs, goats, sheep, horses, donkeys, bison and water buffalos) - meat products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Meat, red meat (meat from bovines, pigs, goats, sheep, horses, donkeys, bison and water buffalos) - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Milk from other animal species or unspecified - pasteurised milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Milk from other animal species or unspecified - UHT milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Milk, cows' - pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Millilitre	Not Available	3	0	Salmonella	0
	Milk, cows' - pasteurised milk - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	4	0	Salmonella	0
	Milk, cows' - raw milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	6	0	Salmonella	0
	Milk, goats' - raw milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Millilitre	Not Available	1	0	Salmonella	0
	Milk, goats' - raw milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Milk, goats' - raw milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Milk, goats' - raw milk for manufacture - intended for manufacture of pasteurised/UHT products - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Millilitre	Not Available	1	0	Salmonella	0
	Milk, sheep's - raw milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Molluscan shellfish - cooked - chilled - Conservation facilities - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	1	0	Salmonella	0
	Molluscan shellfish - cooked - chilled - Retail - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	17	1	Salmonella spp., unspecified	1
	Molluscan shellfish - cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	39	0	Salmonella	0
	Molluscan shellfish - cooked - chilled - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Molluscan shellfish - cooked - frozen - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Molluscan shellfish - cooked - frozen - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	12	0	Salmonella	0
	Molluscan shellfish - cooked - frozen - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Molluscan shellfish - cooked - frozen - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Molluscan shellfish - cooked - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	12	0	Salmonella	0
	Molluscan shellfish - cooked - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
	Molluscan shellfish - cooked - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	8	0	Salmonella	0
	Molluscan shellfish - cooked - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	10	0	Salmonella	0
	Molluscan shellfish - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	5	0	Salmonella	0
	Molluscan shellfish - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	10	0	Salmonella	0
	Molluscan shellfish - raw - frozen - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Molluscan shellfish - raw - frozen - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Molluscan shellfish - raw - Processing plant - Not Available - food sample - Monitoring - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	25	0	Salmonella	0
	Molluscan shellfish - raw - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	160	6	Salmonella spp., unspecified	6
	Molluscan shellfish - raw - Wholesale - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	25	2	Salmonella spp., unspecified	2
	Molluscan shellfish - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	10	0	Salmonella	0
	Molluscan shellfish - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	33	0	Salmonella	0
	Molluscan shellfish - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	16	0	Salmonella	0
	Molluscan shellfish - shelled, shucked and cooked - frozen - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	50	0	Salmonella	0
	Molluscan shellfish - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	3	0	Salmonella	0
	Other processed food products and prepared dishes - Catering - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Other processed food products and prepared dishes - cereal bars - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Other processed food products and prepared dishes - chips, crisps, fries and dough-based analogues - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579-1:2017 Salmonella	1	0	Salmonella	0
	Other processed food products and prepared dishes - egg based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
	Other processed food products and prepared dishes - egg based dishes - Processing plant - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	1	0	Salmonella	0
	Other processed food products and prepared dishes - egg based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	1	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Other processed food products and prepared dishes - egg based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	48	0	Salmonella	0
	Other processed food products and prepared dishes - egg based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Other processed food products and prepared dishes - egg based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
		single (food/fee d)	25	Gram	Not Available	13	0	Salmonella	0
	Other processed food products and prepared dishes - egg based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	10	0	Salmonella	0
	Other processed food products and prepared dishes - egg based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	100	0	Salmonella	0
	Other processed food products and prepared dishes - egg based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	1	0	Salmonella	0
	Other processed food products and prepared dishes - egg based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Other processed food products and prepared dishes - egg based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Spain - food sample - Surveillance - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	2	0	Salmonella	0
	Other processed food products and prepared dishes - egg based dishes - Retail - Not Available - food sample - Monitoring - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Other processed food products and prepared dishes - egg based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Other processed food products and prepared dishes - egg based dishes - Retail - Not Available - Not Available - Clinical investigations - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	5	2	Salmonella spp., unspecified	2
	Other processed food products and prepared dishes - egg based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	36	0	Salmonella	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Catering - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Not Available - Not Available - Clinical investigations - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	2	0	Salmonella	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	3	0	Salmonella	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Convenient sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	1	0	Salmonella	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	74	0	Salmonella	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	6	0	Salmonella	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	12	0	Salmonella	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
		single (food/fee d)	25	Gram	Not Available	16	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	9	0	Salmonella	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	20	0	Salmonella	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	9	0	Salmonella	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Spain - food sample - Surveillance - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	1	0	Salmonella	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	78	1	Salmonella spp., unspecified	1
	Other processed food products and prepared dishes - Hospital or medical care facility - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	65	0	Salmonella	0
	Other processed food products and prepared dishes - ices and similar frozen desserts - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	6	0	Salmonella	0
	Other processed food products and prepared dishes - ices and similar frozen desserts - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Other processed food products and prepared dishes - ices and similar frozen desserts - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Other processed food products and prepared dishes - ices and similar frozen desserts - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	29	0	Salmonella	0
	Other processed food products and prepared dishes - ices and similar frozen desserts - water-based ice creams - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Other processed food products and prepared dishes - legumes based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Other processed food products and prepared dishes - legumes based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Other processed food products and prepared dishes - legumes based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	36	0	Salmonella	0
	Other processed food products and prepared dishes - legumes based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	11	0	Salmonella	0
		single (food/fee d)	25	Gram	Not Available	12	0	Salmonella	0
	Other processed food products and prepared dishes - legumes based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
	Other processed food products and prepared dishes - legumes based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	17	0	Salmonella	0
	Other processed food products and prepared dishes - legumes based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Other processed food products and prepared dishes - legumes based dishes - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Other processed food products and prepared dishes - legumes based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	17	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Other processed food products and prepared dishes - meat based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	9	0	Salmonella	0
	Other processed food products and prepared dishes - meat based dishes - Catering - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Other processed food products and prepared dishes - meat based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
	Other processed food products and prepared dishes - meat based dishes - Processing plant - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	2	0	Salmonella	0
	Other processed food products and prepared dishes - meat based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	106	0	Salmonella	0
	Other processed food products and prepared dishes - meat based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	6	0	Salmonella	0
	Other processed food products and prepared dishes - meat based dishes - Processing plant - Not Available - Not Available - Surveillance - Official, based on Regulation 854/2004 - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	1	0	Salmonella	0
	Other processed food products and prepared dishes - meat based dishes - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579-1:2017 Salmonella	1	0	Salmonella	0
	Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	9	0	Salmonella	0
		single (food/fee d)	25	Gram	Not Available	25	0	Salmonella	0
	Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
	Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	9	0	Salmonella	0
	Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	30	0	Salmonella	0
	Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	1	0	Salmonella	0
	Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	13	1	Salmonella	1
	Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Spain - food sample - Surveillance - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	2	0	Salmonella	0
	Other processed food products and prepared dishes - meat based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
		single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Other processed food products and prepared dishes - meat based dishes - Retail - Not Available - Not Available - Clinical investigations - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	3	1	Salmonella spp., unspecified	1
	Other processed food products and prepared dishes - meat based dishes - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	9	0	Salmonella	0
	Other processed food products and prepared dishes - meat based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	98	0	Salmonella	0
	Other processed food products and prepared dishes - meat based dishes - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579-1:2017 Salmonella	1	0	Salmonella	0
	Other processed food products and prepared dishes - mushroom based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	9	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Other processed food products and prepared dishes - mushroom based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	1	0	Salmonella	0
	Other processed food products and prepared dishes - mushroom based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	3	0	Salmonella	0
	Other processed food products and prepared dishes - pasta - Processing plant - Not Available - Not Available - Clinical investigations - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Other processed food products and prepared dishes - pasta - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Other processed food products and prepared dishes - pasta - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	8	0	Salmonella	0
	Other processed food products and prepared dishes - pasta - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	9	0	Salmonella	0
	Other processed food products and prepared dishes - pasta - simple pasta - Processing plant - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	1	0	Salmonella	0
	Other processed food products and prepared dishes - pasta - simple pasta - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	12	0	Salmonella	0
	Other processed food products and prepared dishes - pasta - simple pasta - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	1	0	Salmonella	0
	Other processed food products and prepared dishes - pasta - simple pasta - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	4	0	Salmonella	0
	Other processed food products and prepared dishes - pasta - simple pasta - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	2	0	Salmonella	0
	Other processed food products and prepared dishes - pasta based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	9	0	Salmonella	0
	Other processed food products and prepared dishes - pasta based dishes - Catering - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Other processed food products and prepared dishes - pasta based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	7	0	Salmonella	0
		single (food/fee d)	25	Gram	Not Available	24	0	Salmonella	0
	Other processed food products and prepared dishes - pasta based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
	Other processed food products and prepared dishes - pasta based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Other processed food products and prepared dishes - pasta/rice salad - Processing plant - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	2	0	Salmonella	0
	Other processed food products and prepared dishes - pasta/rice salad - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	4	0	Salmonella	0
	Other processed food products and prepared dishes - pasta/rice salad - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Other processed food products and prepared dishes - pasta/rice salad - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	2	0	Salmonella	0
	Other processed food products and prepared dishes - pasta/rice salad - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Other processed food products and prepared dishes - pizza and pizza-like dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
		single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Other processed food products and prepared dishes - pizza and pizza-like dishes - Processing plant - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	1	0	Salmonella	0
	Other processed food products and prepared dishes - pizza and pizza-like dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
		single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Other processed food products and prepared dishes - potato based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	9	0	Salmonella	0
	Other processed food products and prepared dishes - potato based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Other processed food products and prepared dishes - potato based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	39	3	Salmonella spp., unspecified	3
	Other processed food products and prepared dishes - potato based dishes - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Other processed food products and prepared dishes - potato based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
		single (food/fee d)	25	Gram	Not Available	18	1	Salmonella spp., unspecified	1
	Other processed food products and prepared dishes - potato based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	81	0	Salmonella	0
	Other processed food products and prepared dishes - potato based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	4	0	Salmonella	0
	Other processed food products and prepared dishes - potato based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Other processed food products and prepared dishes - potato based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
	Other processed food products and prepared dishes - potato based dishes - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Other processed food products and prepared dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	18	0	Salmonella	0
	Other processed food products and prepared dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	9	0	Salmonella	0
						27	0	Salmonella	0
	Other processed food products and prepared dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	6	0	Salmonella	0
	Other processed food products and prepared dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
	Other processed food products and prepared dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	508	1	Salmonella spp., unspecified	1
	Other processed food products and prepared dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Other processed food products and prepared dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	135	0	Salmonella	0
	Other processed food products and prepared dishes - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	8	0	Salmonella	0
		single (food/fee d)	25	Gram	Not Available	33	0	Salmonella	0
	Other processed food products and prepared dishes - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	201	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Other processed food products and prepared dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	353	0	Salmonella	0
	Other processed food products and prepared dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
		single (food/fee d)	25	Gram	Not Available	30	1	Salmonella spp., unspecified	1
	Other processed food products and prepared dishes - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	26	0	Salmonella	0
	Other processed food products and prepared dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	6	0	Salmonella	0
						244	1	Salmonella spp., unspecified	1
	Other processed food products and prepared dishes - rice based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
	Other processed food products and prepared dishes - rice based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Other processed food products and prepared dishes - rice based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	21	0	Salmonella	0
	Other processed food products and prepared dishes - rice based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Other processed food products and prepared dishes - rice based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
		single (food/fee d)	25	Gram	Not Available	10	0	Salmonella	0
	Other processed food products and prepared dishes - rice based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	10	0	Salmonella	0
	Other processed food products and prepared dishes - rice based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Other processed food products and prepared dishes - rice based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	20	0	Salmonella	0
	Other processed food products and prepared dishes - sandwiches - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Other processed food products and prepared dishes - sandwiches - non-meat - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Other processed food products and prepared dishes - sandwiches - non-meat - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	12	0	Salmonella	0
	Other processed food products and prepared dishes - sandwiches - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Other processed food products and prepared dishes - sandwiches - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Other processed food products and prepared dishes - sandwiches - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Other processed food products and prepared dishes - sandwiches - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Other processed food products and prepared dishes - sandwiches - with meat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Other processed food products and prepared dishes - sushi - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	1	0	Salmonella	0
	Other processed food products and prepared dishes - sushi - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	10	0	Salmonella	0
	Other processed food products and prepared dishes - sushi - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Other processed food products and prepared dishes - unspecified - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	74	1	Salmonella spp., unspecified	1
	Other processed food products and prepared dishes - unspecified - Catering - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - containing raw egg - Processing plant - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	1	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - containing raw egg - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	32	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - Processing plant - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	2	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - Processing plant - Not Available - food sample - Monitoring - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	5	2	Salmonella spp., unspecified	2
	Other processed food products and prepared dishes - unspecified - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	52	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	31	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - chilled - Retail - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	20	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	32	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	1	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	3	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Monitoring - active - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	8	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
		single (food/fee d)	25	Gram	Not Available	12	0	Salmonella	0
						60	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	5	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	29	3	Salmonella spp., unspecified	3
	Other processed food products and prepared dishes - unspecified - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	22	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	31	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	3	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Other processed food products and prepared dishes - unspecified - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	2	1	Salmonella spp., unspecified	1
	Other processed food products and prepared dishes - unspecified - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	188	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - Wholesale - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	5	0	Salmonella	0
	Other processed food products and prepared dishes - unspecified - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	2	0	Salmonella	0
	Other processed food products and prepared dishes - vegetable based dishes - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Other processed food products and prepared dishes - vegetable based dishes - Catering - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	1	0	Salmonella	0
	Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	72	1	Salmonella spp., unspecified	1
	Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
		single (food/fee d)	25	Gram	Not Available	27	0	Salmonella	0
	Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	11	0	Salmonella	0
	Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	22	0	Salmonella	0
	Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	7	0	Salmonella	0
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Not Available - Not Available - Clinical investigations - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	8	0	Salmonella	0
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	16	0	Salmonella	0
	Other products of animal origin - gelatin and collagen - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	8	0	Salmonella	0
	Ready-to-eat salads - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	41	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Ready-to-eat salads - containing mayonnaise - Processing plant - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	3	0	Salmonella	0
	Ready-to-eat salads - containing mayonnaise - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	12	0	Salmonella	0
	Ready-to-eat salads - containing mayonnaise - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Ready-to-eat salads - containing mayonnaise - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	4	0	Salmonella	0
	Ready-to-eat salads - containing mayonnaise - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	3	0	Salmonella	0
	Ready-to-eat salads - containing mayonnaise - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	9	0	Salmonella	0
	Ready-to-eat salads - containing mayonnaise - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	76	0	Salmonella	0
	Ready-to-eat salads - Packing centre - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Ready-to-eat salads - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	2	0	Salmonella	0
	Ready-to-eat salads - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
	Ready-to-eat salads - Processing plant - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	3	0	Salmonella	0
	Ready-to-eat salads - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	33	0	Salmonella	0
	Ready-to-eat salads - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	22	0	Salmonella	0
	Ready-to-eat salads - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	1	0	Salmonella	0
	Ready-to-eat salads - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	2	0	Salmonella	0
	Ready-to-eat salads - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	58	0	Salmonella	0
		single (food/fee d)	25	Gram	Not Available	272	0	Salmonella	0
	Ready-to-eat salads - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Ready-to-eat salads - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	7	0	Salmonella	0
	Ready-to-eat salads - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	26	0	Salmonella	0
	Ready-to-eat salads - Retail - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	30	0	Salmonella	0
	Ready-to-eat salads - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Ready-to-eat salads - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	23	0	Salmonella	0
	Ready-to-eat salads - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	12	0	Salmonella	0
	Ready-to-eat salads - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	252	1	Salmonella spp., unspecified	1

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Sauce and dressings - mayonnaise - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	1	Salmonella spp., unspecified	1
	Sauce and dressings - mayonnaise - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	2	0	Salmonella	0
	Sauce and dressings - mayonnaise - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	4	1	Salmonella	1
	Sauce and dressings - mayonnaise - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Sauce and dressings - Packing centre - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Sauce and dressings - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Sauce and dressings - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Sauce and dressings - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	9	1	Salmonella	1
	Sauce and dressings - Retail - Not Available - Not Available - Clinical investigations - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	5	1	Salmonella spp., unspecified	1
	Sauce and dressings - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	11	0	Salmonella	0
	Sauce and dressings - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	29	0	Salmonella	0
	Seeds, sprouted - ready-to-eat - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	6	0	Salmonella	0
	Seeds, sprouted - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	16	0	Salmonella	0
	Seeds, sprouted - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	7	0	Salmonella	0
	Seeds, sprouted - ready-to-eat - Wholesale - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	9	0	Salmonella	0
	Seeds, sprouted - ready-to-eat - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	7	0	Salmonella	0
	Seeds, sprouted - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	10	0	Salmonella	0
	Seeds, sprouted - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Snails - Packing centre - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	3	0	Salmonella	0
	Snails - Retail - Not Available - food sample - Monitoring - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	5	1	Salmonella spp., unspecified	1
	Snails - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Soups - frozen - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Soups - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	2	0	Salmonella	0
	Soups - ready-to-eat - Processing plant - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	1	0	Salmonella	0
	Soups - ready-to-eat - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	5	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Soups - ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Industry sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	2	0	Salmonella	0
	Soups - ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Real-Time PCR (qualitative or quantitative)	7	0	Salmonella	0
	Soups - ready-to-eat - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Soups - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	53	0	Salmonella	0
	Spices and herbs - dried - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	22	0	Salmonella	0
		single (food/fee d)	25	Gram	Not Available	4	0	Salmonella	0
	Spices and herbs - dried - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Unknown	20	0	Salmonella	0
	Spices and herbs - dried - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	21	0	Salmonella	0
	Spices and herbs - dried - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	24	1	Salmonella Gaminara	1
	Spices and herbs - dried - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Spices and herbs - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	1	Salmonella spp., unspecified	1
	Spices and herbs - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Salmonella	0
	Surimi - chilled - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Surimi - chilled - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Detection method presence in x g	3	0	Salmonella	0
	Vegetables - bean - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Salmonella	0
	Vegetables - leaves - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579-1:2017 Salmonella	1	0	Salmonella	0
	Vegetables - leaves - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	6	0	Salmonella	0
	Vegetables - pre-cut - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	13	0	Salmonella	0
	Vegetables - pre-cut - ready-to-eat - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	5	0	Salmonella	0
	Vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Not Available	23	0	Salmonella	0
		single (food/fee d)	25	Gram	Not Available	15	0	Salmonella	0
	Vegetables - pre-cut - ready-to-eat - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Salmonella	0
	Vegetables - pre-cut - ready-to-eat - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	25	0	Salmonella	0
	Vegetables - pre-cut - ready-to-eat - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002 Salmonella	2	0	Salmonella	0
	Vegetables - pre-cut - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/fee d)	25	Gram	Detection method presence in x g	34	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Vegetables - pre-cut - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	Not Available	2	0	Salmonella	0
	Vegetables - products - canned - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feed)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Vegetables - products - canned - Retail - Not Available - Not Available - Surveillance - Official sampling - Not specified	batch (food/feed)	25	Gram	Detection method presence in x g	1	0	Salmonella	0
	Vegetables - products - dried - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	Not Available	1	0	Salmonella	0
	Vegetables - products - fruit purée - Catering - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	Not Available	2	0	Salmonella	0
	Vegetables - products - fruit purée - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Millilitre	Not Available	22	0	Salmonella	0
	Vegetables - products - fruit purée - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	Not Available	7	0	Salmonella	0
		single (food/feed)	25	Gram	Not Available	28	0	Salmonella	0
	Vegetables - products - fruit purée - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Millilitre	Not Available	3	0	Salmonella	0
	Vegetables - products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	Not Available	14	0	Salmonella	0
	Vegetables - products - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	Not Available	11	0	Salmonella	0
	Vegetables - products - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	ISO 6579-1:2017 Salmonella	2	0	Salmonella	0

Table Salmonella:SALMONELLA in feed

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
SPAIN	Compound feedingstuffs for cattle - final product - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	Not Available	91	0	Salmonella	0
	Compound feedingstuffs for pigs - final product - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	Not Available	76	2	Salmonella spp., unspecified	2
	Compound feedingstuffs for poultry (non specified) - final product - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	Not Available	12	0	Salmonella	0
	Compound feedingstuffs for poultry, broilers - final product - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	Not Available	33	0	Salmonella	0
	Compound feedingstuffs for poultry, laying hens - final product - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	Not Available	73	0	Salmonella	0
	Feed material of cereal grain origin - barley derived - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	Not Available	15	0	Salmonella	0
	Feed material of cereal grain origin - maize derived - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	Not Available	19	0	Salmonella	0
	Feed material of cereal grain origin - other cereal grain derived - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	Not Available	5	0	Salmonella	0
	Feed material of cereal grain origin - wheat derived - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	Not Available	14	0	Salmonella	0
	Feed material of land animal origin - animal fat - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	Not Available	3	1	Salmonella spp., unspecified	1
	Feed material of land animal origin - blood meal - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	Not Available	1	0	Salmonella	0
	Feed material of land animal origin - dairy products - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	Not Available	2	0	Salmonella	0
	Feed material of land animal origin - feather meal - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	Not Available	4	0	Salmonella	0
	Feed material of land animal origin - meat and bone meal - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	Not Available	16	8	Salmonella Enteritidis	4
								Salmonella spp., unspecified	4
	Feed material of land animal origin - meat meal - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	Not Available	135	12	Salmonella spp., unspecified	12
	Feed material of land animal origin - poultry offal meal - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	Not Available	6	0	Salmonella	0
	Feed material of marine animal origin - fish meal - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	Not Available	82	0	Salmonella	0
	Feed material of oil seed or fruit origin - cotton seed derived - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	Not Available	5	0	Salmonella	0
	Feed material of oil seed or fruit origin - rape seed derived - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	Not Available	6	0	Salmonella	0
	Feed material of oil seed or fruit origin - soya (bean) derived - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	Not Available	20	0	Salmonella	0
	Feed material of oil seed or fruit origin - sunflower seed derived - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	Not Available	5	0	Salmonella	0
	Other feed material - forages and roughages - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	Not Available	5	0	Salmonella	0
	Other feed material - legume seeds and similar products - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	Not Available	1	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
SPAIN	Other feed material - tubers, roots and similar products - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	Not Available	9	0	Salmonella	0
	Pet food - Feed mill - Spain - feed sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	26	Gram	Not Available	50	1	Salmonella spp., unspecified	1

Table Shigella:SHIGELLA in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Other processed food products and prepared dishes - unspecified - Retail - Not Available - Not Available - Monitoring - Official sampling - Selective sampling	single (food/feed)	25	Gram	Not Available	1	0	Shigella	0
	Spices and herbs - Retail - Not Available - Not Available - Monitoring - Official sampling - Selective sampling	single (food/feed)	25	Gram	Not Available	2	0	Shigella	0

Table Staphylococcal enterotoxins:STAPHYLOCOCCAL ENTEROTOXINS in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Bakery products - cakes - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	single (food/fee d)	100	Gram	Not Available	2	0	Staphylococcal enterotoxins	0
	Bakery products - cakes - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	11	1	Staphylococcal enterotoxins	1
	Bakery products - desserts - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	17	3	Staphylococcal enterotoxins	3
	Bakery products - desserts - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Bakery products - desserts - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Bakery products - desserts - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	3	1	Staphylococcal enterotoxins	1
	Bakery products - pastry - biscuits - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Bakery products - pastry - choux pastry - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	5	2	Staphylococcal enterotoxins	2
	Bakery products - pastry - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	8	1	Staphylococcal enterotoxins	1
	Cheeses made from cows' milk - curd - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	200	Gram	Enzyme-linked immunosorbent assay (ELISA)	1	0	Enterotoxin, unspecified	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 19020:2017 Staphylococcal enterotoxins	4	0	Staphylococcal enterotoxins	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Staphylococcal enterotoxins	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	200	Gram	Enzyme-linked immunosorbent assay (ELISA)	1	0	Enterotoxin, unspecified	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	4	0	Staphylococcal enterotoxins	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 19020:2017 Staphylococcal enterotoxins	3	0	Staphylococcal enterotoxins	0
	Cheeses made from cows' milk - fresh - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	250	Gram	Not Available	10	0	Staphylococcal enterotoxins	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	27	Gram	Not Available	2	0	Staphylococcal enterotoxins	0
	Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	7	0	Staphylococcal enterotoxins	0
	Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Staphylococcal enterotoxins	0
	Cheeses made from cows' milk - soft and semi-soft - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	100	Gram	Not Available	71	0	Staphylococcal enterotoxins	0
	Cheeses made from cows' milk - soft and semi-soft - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	200	Gram	Enzyme-linked immunosorbent assay (ELISA)	13	0	Enterotoxin, unspecified	0
	Cheeses made from cows' milk - soft and semi-soft - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Staphylococcal enterotoxins	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Cheeses made from cows' milk - soft and semi-soft - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	250	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Cheeses made from cows' milk - unspecified - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 19020:2017 Staphylococcal enterotoxins	8	0	Staphylococcal enterotoxins	0
	Cheeses made from cows' milk - unspecified - made from pasteurised milk - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 19020:2017 Staphylococcal enterotoxins	2	0	Staphylococcal enterotoxins	0
	Cheeses made from goats' milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 19020:2017 Staphylococcal enterotoxins	3	0	Staphylococcal enterotoxins	0
	Cheeses made from goats' milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	11	0	Staphylococcal enterotoxins	0
	Cheeses made from goats' milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Staphylococcal enterotoxins	0
	Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	30	0	Staphylococcal enterotoxins	0
	Cheeses made from goats' milk - fresh - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	250	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Cheeses made from goats' milk - hard - made from pasteurised milk - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Staphylococcal enterotoxins	0
	Cheeses made from goats' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 19020:2017 Staphylococcal enterotoxins	1	0	Staphylococcal enterotoxins	0
	Cheeses made from goats' milk - soft and semi-soft - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Cheeses made from goats' milk - soft and semi-soft - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Cheeses made from goats' milk - unspecified - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 19020:2017 Staphylococcal enterotoxins	4	0	Staphylococcal enterotoxins	0
	Cheeses made from sheep's milk - fresh - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	250	Gram	Not Available	4	0	Staphylococcal enterotoxins	0
	Cheeses made from sheep's milk - hard - made from pasteurised milk - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 19020:2017 Staphylococcal enterotoxins	1	0	Staphylococcal enterotoxins	0
	Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	4	1	Staphylococcal enterotoxins	1
	Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	Enzyme-linked immunosorbent assay (ELISA)	19	0	Staphylococcal enterotoxins	0
	Cheeses made from sheep's milk - hard - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	200	Gram	Enzyme-linked immunosorbent assay (ELISA)	20	1	Enterotoxin, unspecified	1
	Cheeses made from sheep's milk - unspecified - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 19020:2017 Staphylococcal enterotoxins	3	0	Staphylococcal enterotoxins	0
	Cheeses made from sheep's milk - unspecified - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 19020:2017 Staphylococcal enterotoxins	3	0	Staphylococcal enterotoxins	0
	Cheeses made from sheep's milk - unspecified - made from raw or low heat-treated milk - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 19020:2017 Staphylococcal enterotoxins	1	0	Staphylococcal enterotoxins	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 19020:2017 Staphylococcal enterotoxins	7	0	Staphylococcal enterotoxins	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Staphylococcal enterotoxins	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 19020:2017 Staphylococcal enterotoxins	1	0	Staphylococcal enterotoxins	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	250	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - unspecified - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 19020:2017 Staphylococcal enterotoxins	2	0	Staphylococcal enterotoxins	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - unspecified - made from pasteurised milk - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 19020:2017 Staphylococcal enterotoxins	2	0	Staphylococcal enterotoxins	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - unspecified - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/fee d)	75	Gram	Not Available	5	0	Staphylococcal enterotoxins	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 19020:2017 Staphylococcal enterotoxins	1	0	Staphylococcal enterotoxins	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from pasteurised milk - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 19020:2017 Staphylococcal enterotoxins	3	0	Staphylococcal enterotoxins	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from pasteurised milk - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 19020:2017 Staphylococcal enterotoxins	2	0	Staphylococcal enterotoxins	0
	Cheeses, made from unspecified milk or other animal milk - fresh - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	4	0	Staphylococcal enterotoxins	0
	Cheeses, made from unspecified milk or other animal milk - fresh - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Cheeses, made from unspecified milk or other animal milk - fresh - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	2	0	Staphylococcal enterotoxins	0
	Cheeses, made from unspecified milk or other animal milk - fresh - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Staphylococcal enterotoxins	0
	Cheeses, made from unspecified milk or other animal milk - fresh - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	250	Gram	Not Available	4	0	Staphylococcal enterotoxins	0
	Cheeses, made from unspecified milk or other animal milk - fresh - Retail - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Cheeses, made from unspecified milk or other animal milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	3	1	Staphylococcal enterotoxins	1
	Cheeses, made from unspecified milk or other animal milk - unspecified - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Dairy products (excluding cheeses) - cheese analogue - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	200	Gram	Enzyme-linked immunosorbent assay (ELISA)	1	0	Enterotoxin, unspecified	0
	Dairy products (excluding cheeses) - cheese analogue - Retail - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	200	Gram	Enzyme-linked immunosorbent assay (ELISA)	1	0	Enterotoxin, unspecified	0
	Dairy products (excluding cheeses) - dairy desserts - frozen - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Dairy products (excluding cheeses) - dairy desserts - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Dairy products (excluding cheeses) - fermented dairy products - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Egg products - non-ready-to-eat - Retail - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	1	Staphylococcal enterotoxins	1
	Egg products - non-ready-to-eat - Wholesale - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	3	2	Staphylococcal enterotoxins	2
	Egg products - ready-to-eat - Catering - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Egg products - ready-to-eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Fruits and vegetables - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	2	0	Staphylococcal enterotoxins	0
	Meat from bovine animals - minced meat - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	single (food/fee d)	100	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Meat from other animal species or not specified - meat products - heat treated, ready to eat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Meat from pig - meat products - cooked ham - sliced - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Meat from pig - minced meat - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	single (food/fee d)	100	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Meat from poultry, unspecified - fresh - frozen - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Milk, cows' - pasteurised milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Millilitre	Not Available	3	0	Staphylococcal enterotoxins	0
	Milk, goats' - raw milk - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Millilitre	Not Available	1	0	Staphylococcal enterotoxins	0
	Milk, goats' - raw milk for manufacture - intended for manufacture of pasteurised/UHT products - Processing plant - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Millilitre	Not Available	1	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - Catering - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - cereal bars - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - egg based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Catering - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	5	2	Staphylococcal enterotoxins	2
	Other processed food products and prepared dishes - fish and seafood based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	8	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - legumes based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	4	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - legumes based dishes - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - meat based dishes - Catering - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	2	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	4	1	Staphylococcal enterotoxins	1
	Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	5	1	Staphylococcal enterotoxins	1
	Other processed food products and prepared dishes - meat based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	16	2	Staphylococcal enterotoxins	2
	Other processed food products and prepared dishes - meat based dishes - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	9	1	Staphylococcal enterotoxins	1

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Other processed food products and prepared dishes - pasta - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - pasta - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	8	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - pasta based dishes - Catering - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - pasta based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	5	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - potato based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - potato based dishes - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - Processing plant - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	single (food/fee d)	200	Gram	Enzyme-linked immunosorbent assay (ELISA)	8	0	Enterotoxin, unspecified	0
	Other processed food products and prepared dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	4	1	Staphylococcal enterotoxins	1
	Other processed food products and prepared dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Suspect sampling	single (food/fee d)	100	Gram	Not Available	13	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	26	2	Staphylococcal enterotoxins	2
	Other processed food products and prepared dishes - rice based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - sandwiches - with meat - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - unspecified - Catering - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Monitoring - active - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - unspecified - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - unspecified - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	24	2	Staphylococcal enterotoxins	2
	Other processed food products and prepared dishes - unspecified - Retail - Not Available - food sample - Monitoring - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - vegetable based dishes - Catering - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	5	1	Staphylococcal enterotoxins	1
	Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - vegetable based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/fee d)	25	Gram	Not Available	8	0	Staphylococcal enterotoxins	0
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	2	1	Staphylococcal enterotoxins	1
	Ready-to-eat salads - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	5	1	Staphylococcal enterotoxins	1

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Sauce and dressings - mayonnaise - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/feed)	25	Gram	Not Available	3	1	Staphylococcal enterotoxins	1
	Sauce and dressings - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feed)	25	Gram	Not Available	1	1	Staphylococcal enterotoxins	1
	Sauce and dressings - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	Gram	Not Available	1	0	Staphylococcal enterotoxins	0
	Sauce and dressings - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Survey - Official sampling - Suspect sampling	single (food/feed)	25	Gram	Not Available	10	1	Staphylococcal enterotoxins	1
	Sauce and dressings - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feed)	25	Gram	Not Available	11	2	Staphylococcal enterotoxins	2
	Soups - frozen - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/feed)	25	Gram	Not Available	3	0	Staphylococcal enterotoxins	0

Table Staphylococcus:STAPHYLOCOCCUS AUREUS METICILLIN RESISTANT (MRSA) in animal

Area of sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total Units Tested Attribute	Total Units Positive Attribute	Zoonoses	CC	Spa type ML	Units positive
SPAIN	Pigs - fattening pigs - Slaughterhouse - Spain - animal sample - nasal swab - Monitoring - EFSA specifications - Official sampling - Objective sampling	slaughter animal batch	1	g	Not Available	Not Available	323	292	Methicillin resistant Staphylococcus aureus (MRSA)	11	203
										34	32
										108	14
										109	1
										899	2
										1197	11
										1255	2
										1451	13
										1606	1
										2011	5
										2346	1
										2748	1
										3041	2
										4208	2
17304	1										
17627	1										

Table Staphylococcus:STAPHYLOCOCCUS AUREUS METICILLIN RESISTANT (MRSA) in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Bakery products - pastry - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	1	g	Not Available	44	1	Staphylococcus spp., unspecified	1
	Bakery products - pastry - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	1	g	Not Available	16	0	Staphylococcus	0
	Bakery products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	1	g	Not Available	166	0	Staphylococcus	0
	Bakery products - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	1	g	Not Available	9	0	Staphylococcus	0
			25	g	Not Available	2	0	Staphylococcus spp., unspecified	0
	Beverages, non-alcoholic - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	g	Not Available	10	0	Staphylococcus	0
	Cheeses made from cows' milk - fresh - made from raw or low heat-treated milk - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	g	Not Available	1	0	Staphylococcus spp., unspecified	0
	Cheeses made from cows' milk - fresh - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	50	g	EN ISO 6888-2:1999/Amdt 1:2003 Coagulase-positives staphylococci	5	0	Staphylococcus	0
	Cheeses made from cows' milk - fresh - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/feed)	250	g	Not Available	10	0	Staphylococcus	0
	Cheeses made from cows' milk - hard - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	50	g	EN ISO 6888-2:1999/Amdt 1:2003 Coagulase-positives staphylococci	1	0	Staphylococcus	0
	Cheeses made from cows' milk - soft and semi-soft - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/feed)	250	g	Not Available	10	0	Staphylococcus	0
	Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	g	Not Available	37	1	Staphylococcus aureus	1
	Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	g	Not Available	22	0	Staphylococcus spp., unspecified	0
	Cheeses made from goats' milk - fresh - made from raw or low heat-treated milk - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feed)	25	g	Not Available	1	0	Staphylococcus spp., unspecified	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Cheeses made from goats' milk - fresh - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeder)	50	Gram	EN ISO 6888-2:1999/Amdt 1:2003 Coagulase-positives staphylococci	2	0	Staphylococcus	0
	Cheeses made from goats' milk - fresh - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/feeder)	250	Gram	Not Available	1	0	Staphylococcus	0
	Cheeses made from goats' milk - hard - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Cheeses made from goats' milk - hard - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeder)	50	Gram	EN ISO 6888-2:1999/Amdt 1:2003 Coagulase-positives staphylococci	1	0	Staphylococcus	0
	Cheeses made from goats' milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	5	2	Staphylococcus spp., unspecified	2
	Cheeses made from sheep's milk - fresh - made from pasteurised milk - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeder)	50	Gram	EN ISO 6888-2:1999/Amdt 1:2003 Coagulase-positives staphylococci	5	0	Staphylococcus	0
	Cheeses made from sheep's milk - fresh - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/feeder)	250	Gram	Not Available	4	0	Staphylococcus	0
	Cheeses made from sheep's milk - hard - made from raw or low heat-treated milk - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeder)	50	Gram	EN ISO 6888-2:1999/Amdt 1:2003 Coagulase-positives staphylococci	5	1	Staphylococcus spp., unspecified	1
	Cheeses made from sheep's milk - hard - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeder)	50	Gram	EN ISO 6888-2:1999/Amdt 1:2003 Coagulase-positives staphylococci	12	1	Staphylococcus spp., unspecified	1
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/feeder)	50	Gram	Not Available	13	1	Staphylococcus aureus	1
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - made from raw or low heat-treated milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - fresh - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/feeder)	250	Gram	Not Available	1	0	Staphylococcus	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - hard - made from raw or low heat-treated milk - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeder)	100	Gram	Not Available	25	0	Staphylococcus	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeder)	50	Gram	EN ISO 6888-2:1999/Amdt 1:2003 Coagulase-positives staphylococci	1	0	Staphylococcus	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/feeder)	50	Gram	Not Available	14	0	Staphylococcus	0
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from pasteurised milk - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/feeder)	150	Gram	Not Available	25	5	Staphylococcus	5
	Cheeses, made from mixed milk from cows, sheep and/or goats - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/feeder)	50	Gram	Not Available	17	0	Staphylococcus	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from pasteurised milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from raw or low heat-treated milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Cheeses, made from unspecified milk or other animal milk - fresh - made from raw or low heat-treated milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Cheeses, made from unspecified milk or other animal milk - fresh - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	10	Gram	EN ISO 6888-2:1999/Amdt 1:2003 Coagulase-positives staphylococci	2	0	Staphylococcus	0
	Cheeses, made from unspecified milk or other animal milk - fresh - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	4	0	Staphylococcus spp., unspecified	0
	Cheeses, made from unspecified milk or other animal milk - fresh - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	250	Gram	Not Available	4	0	Staphylococcus	0
	Cheeses, made from unspecified milk or other animal milk - fresh - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Cheeses, made from unspecified milk or other animal milk - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	1	Gram	Not Available	89	7	Staphylococcus aureus Staphylococcus spp., unspecified	1 6
	Cheeses, made from unspecified milk or other animal milk - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	single (food/fee d)	100	Gram	Not Available	1	0	Staphylococcus	0
	Cheeses, made from unspecified milk or other animal milk - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	1	Gram	Not Available	22	0	Staphylococcus	0
	Cheeses, made from unspecified milk or other animal milk - unspecified - made from pasteurised milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	10	Gram	EN ISO 6888-2:1999/Amdt 1:2003 Coagulase-positives staphylococci	176	5	Staphylococcus spp., unspecified	5
	Cheeses, made from unspecified milk or other animal milk - unspecified - made from raw or low heat-treated milk - Processing plant - Not Available - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	single (food/fee d)	10	Gram	EN ISO 6888-2:1999/Amdt 1:2003 Coagulase-positives staphylococci	198	0	Staphylococcus	0
	Crustaceans - prawns - shelled, shucked and cooked - Retail - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	50	Gram	Not Available	7	0	Staphylococcus	0
	Crustaceans - prawns - shelled, shucked and cooked - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	50	Gram	Not Available	2	0	Staphylococcus	0
	Crustaceans - shrimps - shelled, shucked and cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Staphylococcus spp., unspecified	0
	Crustaceans - shrimps - shelled, shucked and cooked - chilled - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Staphylococcus spp., unspecified	0
	Crustaceans - unspecified - cooked - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	100	Gram	Not Available	30	0	Staphylococcus spp., unspecified	0
	Dairy products (excluding cheeses) - milk powder and whey powder - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	100	Gram	Not Available	15	0	Staphylococcus	0
	Fish - cooked - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	Not Available	1	1	Staphylococcus spp., unspecified	1
	Fish - raw - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Staphylococcus spp., unspecified	0
	Fish - raw - frozen - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	6	0	Staphylococcus spp., unspecified	0
	Fish - raw - frozen - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	6	0	Staphylococcus spp., unspecified	0
	Fish - smoked - hot-smoked - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Fish - smoked - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	1	Gram	Not Available	2	0	Staphylococcus	0
	Fish - smoked - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	1	Gram	Not Available	3	0	Staphylococcus	0
			25	Gram	Not Available	2	0	Staphylococcus spp., unspecified	0
	Fish - unspecified - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	1	Gram	Not Available	1	0	Staphylococcus	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Fishery products, unspecified - cooked - Processing plant - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	batch (food/feeder)	125	Gram	EN ISO 6888-2:1999/Amdt 1:2003 Coagulase-positives staphylococci	8	0	Staphylococcus	0
	Fishery products, unspecified - raw - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Fruits - pre-cut - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	3	0	Staphylococcus spp., unspecified	0
	Infant formula - dried - Retail - Not Available - food sample - milk - Surveillance - Official sampling - Selective sampling	single (food/feeder)	1	Gram	Not Available	1	0	Staphylococcus	0
	Meat from bovine animals - fresh - chilled - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	8	0	Staphylococcus spp., unspecified	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	13	0	Staphylococcus spp., unspecified	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	10	0	Staphylococcus spp., unspecified	0
	Meat from bovine animals - meat preparation - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	single (food/feeder)	100	Gram	Not Available	1	0	Staphylococcus	0
	Meat from bovine animals - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feeder)	50	Gram	Detection method presence in x g	7	0	Staphylococcus	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feeder)	50	Gram	Detection method presence in x g	1	0	Staphylococcus	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	2	0	Staphylococcus spp., unspecified	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	13	0	Staphylococcus spp., unspecified	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - chilled - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	3	0	Staphylococcus spp., unspecified	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - frozen - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Meat from bovine animals - minced meat - intended to be eaten cooked - frozen - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Meat from bovine animals and pig - meat preparation - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Meat from bovine animals and pig - meat products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feeder)	50	Gram	Detection method presence in x g	1	0	Staphylococcus	0
	Meat from broilers (Gallus gallus) - fresh - frozen - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	2	0	Staphylococcus spp., unspecified	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	4	0	Staphylococcus spp., unspecified	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - chilled - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/feeder)	25	Gram	Not Available	2	0	Staphylococcus spp., unspecified	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from broilers (Gallus gallus) - meat preparation - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	single (food/fee d)	100	Gram	Not Available	1	0	Staphylococcus	0
	Meat from broilers (Gallus gallus) - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	Detection method presence in x g	1	0	Staphylococcus	0
	Meat from broilers (Gallus gallus) - meat products - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Meat from other animal species or not specified - meat products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	1	Gram	Not Available	37	0	Staphylococcus	0
	Meat from other animal species or not specified - meat products - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	1	Gram	Not Available	7	0	Staphylococcus	0
	Meat from other poultry species - meat products - raw but intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Staphylococcus spp., unspecified	0
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	9	0	Staphylococcus spp., unspecified	0
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	14	0	Staphylococcus spp., unspecified	0
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Staphylococcus spp., unspecified	0
	Meat from pig - meat preparation - intended to be eaten cooked - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Meat from pig - meat products - fresh raw sausages - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	Detection method presence in x g	2	1	Staphylococcus aureus	1
	Meat from pig - meat products - meat specialities - Processing plant - Not Available - food sample - Monitoring - Official sampling - Suspect sampling	single (food/fee d)	1	Gram	Not Available	1	0	Staphylococcus	0
	Meat from pig - meat products - raw and intended to be eaten raw - Processing plant - Not Available - food sample - Monitoring - Official sampling - Suspect sampling	single (food/fee d)	1	Gram	Not Available	2	0	Staphylococcus	0
	Meat from pig - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	Detection method presence in x g	7	2	Staphylococcus aureus	2
	Meat from pig - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Staphylococcus spp., unspecified	0
	Meat from pig - meat products - raw but intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Meat from pig - meat products - raw but intended to be eaten cooked - frozen - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Meat from pig - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Meat from pig - minced meat - intended to be eaten cooked - chilled - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Meat from pig - minced meat - intended to be eaten cooked - frozen - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Meat, mixed meat - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Staphylococcus spp., unspecified	0
	Meat, mixed meat - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	6	0	Staphylococcus spp., unspecified	0
	Meat, mixed meat - meat preparation - intended to be eaten cooked - chilled - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Meat, mixed meat - meat products - fresh raw sausages - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	Detection method presence in x g	3	1	Staphylococcus aureus	1
	Meat, mixed meat - meat products - raw but intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	Detection method presence in x g	1	0	Staphylococcus	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat, mixed meat - minced meat - intended to be eaten cooked - chilled - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Meat, red meat (meat from bovines, pigs, goats, sheep, horses, donkeys, bison and water buffalos) - minced meat - intended to be eaten cooked - chilled - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Meat, red meat (meat from bovines, pigs, goats, sheep, horses, donkeys, bison and water buffalos) - minced meat - intended to be eaten cooked - chilled - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	4	0	Staphylococcus spp., unspecified	0
	Molluscan shellfish - cooked - frozen - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Staphylococcus spp., unspecified	0
	Molluscan shellfish - cooked - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	1	Gram	Not Available	2	0	Staphylococcus	0
			25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Molluscan shellfish - cooked - Retail - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	100	Gram	Not Available	10	0	Staphylococcus spp., unspecified	0
	Molluscan shellfish - raw - frozen - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Molluscan shellfish - raw - frozen - Wholesale - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Molluscan shellfish - shelled, shucked and cooked - frozen - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Selective sampling	single (food/fee d)	150	Gram	Not Available	40	0	Staphylococcus	0
	Other processed food products and prepared dishes - egg based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Staphylococcus spp., unspecified	0
	Other processed food products and prepared dishes - egg based dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Spain - food sample - Surveillance - Official sampling - Suspect sampling	single (food/fee d)	50	Gram	EN ISO 6888-1:1999/Amdt 1:2003 Coagulase-positives staphylococci	1	0	Staphylococcus	0
	Other processed food products and prepared dishes - egg based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	7	0	Staphylococcus spp., unspecified	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	4	0	Staphylococcus spp., unspecified	0
	Other processed food products and prepared dishes - fish and seafood based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	34	0	Staphylococcus spp., unspecified	0
	Other processed food products and prepared dishes - ices and similar frozen desserts - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	23	0	Staphylococcus spp., unspecified	0
	Other processed food products and prepared dishes - legumes based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Staphylococcus spp., unspecified	0
	Other processed food products and prepared dishes - meat based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Staphylococcus spp., unspecified	0
	Other processed food products and prepared dishes - meat based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	13	0	Staphylococcus spp., unspecified	0
	Other processed food products and prepared dishes - pasta/rice salad - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Staphylococcus spp., unspecified	0
	Other processed food products and prepared dishes - pasta/rice salad - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Other processed food products and prepared dishes - pizza and pizza-like dishes - Processing plant - Spain - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	EN ISO 6888-1:1999/Amdt 1:2003 Coagulase-positives staphylococci	2	0	Staphylococcus	0
	Other processed food products and prepared dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	21	0	Staphylococcus spp., unspecified	0
	Other processed food products and prepared dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	single (food/fee d)	1	Gram	Not Available	10	2	Staphylococcus spp., unspecified	2
	Other processed food products and prepared dishes - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	1	Gram	Not Available	506	15	Staphylococcus spp., unspecified	15

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Other processed food products and prepared dishes - Retail - Not Available - food sample - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	100	Gram	Not Available	20	0	Staphylococcus	0
	Other processed food products and prepared dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Unknown	31	0	Staphylococcus	0
	Other processed food products and prepared dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Suspect sampling	single (food/fee d)	100	Gram	Not Available	43	0	Staphylococcus	0
	Other processed food products and prepared dishes - Retail - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	single (food/fee d)	1	Gram	Not Available	2	0	Staphylococcus	0
	Other processed food products and prepared dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	1	Gram	Not Available	19	0	Staphylococcus	0
			25	Gram	Not Available	132	0	Staphylococcus spp., unspecified	0
	Other processed food products and prepared dishes - rice based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Other processed food products and prepared dishes - rice based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	12	0	Staphylococcus spp., unspecified	0
	Other processed food products and prepared dishes - sandwiches - non-meat - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Other processed food products and prepared dishes - sushi - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Other processed food products and prepared dishes - Unspecified - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	single (food/fee d)	1	Gram	Not Available	1	0	Staphylococcus	0
	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	1	Gram	Not Available	60	0	Staphylococcus	0
	Other processed food products and prepared dishes - unspecified - Retail - Not Available - food sample - Monitoring - Official sampling - Selective sampling	single (food/fee d)	1	Gram	Not Available	49	1	Staphylococcus spp., unspecified	1
	Other processed food products and prepared dishes - vegetable based dishes - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Staphylococcus spp., unspecified	0
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Staphylococcus spp., unspecified	0
	Ready-to-eat salads - containing mayonnaise - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Staphylococcus spp., unspecified	0
	Ready-to-eat salads - containing mayonnaise - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	47	0	Staphylococcus spp., unspecified	0
	Ready-to-eat salads - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	15	0	Staphylococcus spp., unspecified	0
	Ready-to-eat salads - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	140	0	Staphylococcus spp., unspecified	0
	Sauce and dressings - mayonnaise - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Sauce and dressings - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Staphylococcus spp., unspecified	0
	Soups - ready-to-eat - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Staphylococcus spp., unspecified	0
	Vegetables - leaves - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	Not Available	4	0	Staphylococcus spp., unspecified	0
	Vegetables - products - fruit purée - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	1	Millilitre	Not Available	21	2	Staphylococcus spp., unspecified	2
	Vegetables - products - fruit purée - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	1	Millilitre	Not Available	1	0	Staphylococcus	0
	Vegetables - products - fruit purée - Retail - Not Available - Not Available - Surveillance - Official sampling - Selective sampling	single (food/fee d)	1	Millilitre	Not Available	4	0	Staphylococcus	0

Area of sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total Units Tested Attribute	Total Units Positive Attribute	Zoonoses	CC	Spa type ML	Units positive
Not Available	Meat from pig - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fe ed)	10	Gram	Multiplex PCR	60	2	Methicillin resistant Staphylococcus aureus (MRSA)			2
	Meat from rabbit - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fe ed)	10	Gram	Multiplex PCR	75	3	Methicillin resistant Staphylococcus aureus (MRSA)			3

Table Toxoplasma:TOXOPLASMA in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Method	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
SPAIN	Cattle (bovine animals) - dairy cows - adult - Farm - Spain - animal sample - blood - Monitoring - passive - Official sampling - Suspect sampling	Enzyme-linked immunosorbent assay (ELISA)	animal	4	0	Toxoplasma	0
	Goats - Farm - Spain - animal sample - blood - Monitoring - passive - Official sampling - Suspect sampling	Enzyme-linked immunosorbent assay (ELISA)	animal	201	26	Toxoplasma gondii	26
	Sheep - Farm - Spain - animal sample - blood - Monitoring - active - Official sampling - Selective sampling	Enzyme-linked immunosorbent assay (ELISA)	animal	48	14	Toxoplasma gondii	14
	Sheep - Farm - Spain - animal sample - blood - Monitoring - passive - Official sampling - Suspect sampling	PCR	animal	414	12	Toxoplasma gondii	12

Table Trichinella:TRICHINELLA in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Method	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Pigs - breeding animals - not raised under controlled housing conditions - Slaughterhouse - Spain - animal sample - Surveillance - Official sampling - Census	Automatic digestion method for pooled samples of up to 35 g	animal	1903	0	Trichinella	0
	Pigs - fattening pigs - not raised under controlled housing conditions - Farm - Not Available - Not Available - Monitoring - Private sampling - Census	Magnetic stirrer method for pooled sample digestion	animal	409	0	Trichinella	0
	Pigs - fattening pigs - not raised under controlled housing conditions - for own consumption - Unspecified - Not Available - Not Available - Control and eradication programmes - HACCP and own check - Objective sampling	Not Available	animal	195	0	Trichinella	0
	Pigs - fattening pigs - not raised under controlled housing conditions - for own consumption - Unspecified - Not Available - Not Available - Unspecified - Official sampling - Objective sampling	Automatic digestion method for pooled samples of up to 35 g	animal	1	1	Trichinella, unspecified sp.	1
	Pigs - fattening pigs - not raised under controlled housing conditions - Game handling establishment - Not Available - Not Available - Surveillance - Official sampling - Not specified	Artificial digestion test for in vivo detection of Trichinella spp. larvae in meat samples, PrioCheck Trichinella AAD Kit	animal	74898	88	Trichinella spiralis	88
	Pigs - fattening pigs - not raised under controlled housing conditions - Slaughterhouse - Not Available - animal sample - Surveillance - Official sampling - Objective sampling	Magnetic stirrer method for pooled sample digestion	animal	38175 76	1	Trichinella	1
	Pigs - fattening pigs - not raised under controlled housing conditions - Slaughterhouse - Not Available - animal sample - Surveillance - Official sampling - Selective sampling	Magnetic stirrer method for pooled sample digestion	animal	79100	0	Trichinella	0
	Pigs - fattening pigs - not raised under controlled housing conditions - Slaughterhouse - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	Not Available	animal	67757 7	0	Trichinella	0
	Pigs - fattening pigs - not raised under controlled housing conditions - Slaughterhouse - Not Available - Not Available - Control and eradication programmes - Official sampling - Objective sampling	Not Available	animal	1094	0	Trichinella	0
	Pigs - fattening pigs - not raised under controlled housing conditions - Slaughterhouse - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	Automatic digestion method for pooled samples of up to 35 g	animal	10126 26	0	Trichinella	0
	Pigs - fattening pigs - not raised under controlled housing conditions - Slaughterhouse - Not Available - Not Available - Monitoring - Official sampling - Census	Not Available	animal	65992 51	0	Trichinella	0
	Pigs - fattening pigs - not raised under controlled housing conditions - Slaughterhouse - Not Available - Not Available - Monitoring - Official, based on Regulation 854/2004 - Census	Not Available	slaughte r animal batch	10128 90	0	Trichinella	0
	Pigs - fattening pigs - not raised under controlled housing conditions - Slaughterhouse - Not Available - Not Available - Surveillance - Official sampling - Not specified	Artificial digestion test for in vivo detection of Trichinella spp. larvae in meat samples, PrioCheck Trichinella AAD Kit	animal	34450 03	1	Trichinella spiralis	1
	Pigs - fattening pigs - not raised under controlled housing conditions - Slaughterhouse - Not Available - Not Available - Survey - national survey - Official sampling - Objective sampling	Not Available	animal	55919	0	Trichinella	0
	Pigs - fattening pigs - not raised under controlled housing conditions - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 854/2004 - Census	Artificial digestion test for in vivo detection of Trichinella spp. larvae in meat samples, PrioCheck Trichinella AAD Kit	animal	51348 89	2	Trichinella spiralis	2
	Pigs - fattening pigs - not raised under controlled housing conditions - Slaughterhouse - Spain - animal sample - Surveillance - Official sampling - Census	Automatic digestion method for pooled samples of up to 35 g	slaughte r animal batch	45963	0	Trichinella	0
	Pigs - fattening pigs - not raised under controlled housing conditions - Slaughterhouse - Spain - animal sample - Surveillance - Official sampling - Census	Magnetic stirrer method for pooled sample digestion	animal	17035	0	Trichinella	0
	Pigs - fattening pigs - not raised under controlled housing conditions - Slaughterhouse - Spain - animal sample - Surveillance - Official sampling - Objective sampling	Magnetic stirrer method for pooled sample digestion	slaughte r animal batch	13029 21	0	Trichinella	0
	Pigs - fattening pigs - not raised under controlled housing conditions - Veterinary clinics - Spain - animal sample - Surveillance - Official sampling - Census	Magnetic stirrer method for pooled sample digestion	animal	47	0	Trichinella	0
	Pigs - mixed herds - not raised under controlled housing conditions - Slaughterhouse - Not Available - Not Available - Monitoring - Official sampling - Census	Magnetic stirrer method for pooled sample digestion	slaughte r animal batch	13659 0	0	Trichinella	0
	Solipeds, domestic - horses - Slaughterhouse - Not Available - Not Available - Monitoring - Official sampling - Census	Not Available	animal	6620	0	Trichinella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Method	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Solipeds, domestic - horses - Slaughterhouse - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 854/2004 - Census	Artificial digestion test for in vivo detection of Trichinella spp. larvae in meat samples, PrioCheck Trichinella AAD Kit	animal	4371	0	Trichinella	0
	Solipeds, domestic - horses - Slaughterhouse - Spain - animal sample - Surveillance - Official sampling - Census	Magnetic stirrer method for pooled sample digestion	animal	435	0	Trichinella	0
	Solipeds, domestic - horses - Slaughterhouse - Spain - animal sample - Surveillance - Official sampling - Objective sampling	Magnetic stirrer method for pooled sample digestion	animal	6360	0	Trichinella	0
	Solipeds, domestic - Slaughterhouse - Not Available - Not Available - Control and eradication programmes - Official sampling - Objective sampling	Not Available	animal	3035	0	Trichinella	0
	Solipeds, domestic - Slaughterhouse - Spain - animal sample - Surveillance - Official sampling - Census	Automatic digestion method for pooled samples of up to 35 g	slaughter animal batch	3605	0	Trichinella	0
	Wild boars - Game handling establishment - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	Not Available	animal	55531	165	Trichinella pseudospiralis Trichinella, unspecified sp.	1 164
	Wild boars - Hunting - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	Not Available	animal	18854	7	Trichinella, unspecified sp.	7
	Wild boars - Hunting - Not Available - Not Available - Control and eradication programmes - HACCP and own check - Objective sampling	Not Available	animal	1042	0	Trichinella	0
	Wild boars - Hunting - Not Available - Not Available - Monitoring - Official sampling - Census	Not Available	animal	7303	9	Trichinella	9
	Wild boars - wild - Game handling establishment - Not Available - Not Available - Monitoring - Not applicable - Other	Not Available	animal	1952	1	Trichinella	1
	Wild boars - wild - Game handling establishment - Not Available - Not Available - Surveillance - Official, based on Regulation 854/2004 - Not specified	Not Available	animal	43481	177	Trichinella	177
	Wild boars - wild - Game handling establishment - Spain - animal sample - organ/tissue - Monitoring - Official, based on Regulation 854/2004 - Census	Not Available	animal	8818	45	Trichinella, unspecified sp.	45
	Wild boars - wild - Game handling establishment - Spain - animal sample - Surveillance - Official sampling - Census	Automatic digestion method for pooled samples of up to 35 g	animal slaughter animal batch	2378 257	0 0	Trichinella Trichinella	0 0
	Wild boars - wild - Game handling establishment - Spain - animal sample - Surveillance - Official sampling - Census	Magnetic stirrer method for pooled sample digestion	animal	208	0	Trichinella	0
	Wild boars - wild - Hunting - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	Automatic digestion method for pooled samples of up to 35 g	animal	3905	22	Trichinella britovi Trichinella spiralis Trichinella, unspecified sp.	2 15 5
	Wild boars - wild - Hunting - Not Available - Not Available - Monitoring - Not applicable - Other	Not Available	animal	955	0	Trichinella	0
	Wild boars - wild - Hunting - Spain - animal sample - organ/tissue - Surveillance - Official, based on Regulation 854/2004 - Census	Artificial digestion test for in vivo detection of Trichinella spp. larvae in meat samples, PrioCheck Trichinella AAD Kit	animal	8347	9	Trichinella britovi Trichinella spiralis	8 1
	Wild boars - wild - Veterinary clinics - Spain - animal sample - Surveillance - Official sampling - Census	Magnetic stirrer method for pooled sample digestion	animal	485	0	Trichinella	0

Table Unspecified:UNSPECIFIED in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Live bivalve molluscs - unspecified - depurated - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feed)	50	Gram	Reverse-transcription PCR (RT-PCR)	7	0	Virus	0

Table Vibrio:VIBRIO in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Other processed food products and prepared dishes - unspecified - ready-to-eat foods - Restaurant or Cafe or Pub or Bar or Hotel or Catering service - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/food)	25	Gram	Not Available	30	0	Vibrio	0

Table Yersinia:YERSINIA in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Method	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
SPAIN	Cattle (bovine animals) - Farm - Spain - animal sample - faeces - Monitoring - passive - Official sampling - Suspect sampling	Not Available	herd/flock	66	15	Yersinia enterocolitica - serotype O:9	15
	Pigs - fattening pigs - Slaughterhouse - Spain - animal sample - caecum - Monitoring - EFSA specifications - Official sampling - Objective sampling	Not Available	slaughter animal batch	369	133	Yersinia enterocolitica	133

Table Yersinia:YERSINIA in food

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Eggs - table eggs - Packing centre - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Yersinia	0
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	3	1	Yersinia enterocolitica	1
	Meat from bovine animals - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	10	1	Yersinia enterocolitica	1
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	3	0	Yersinia	0
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Yersinia	0
	Meat from bovine animals and pig - meat products - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	ISO 10273:2003 Yersinia	1	0	Yersinia	0
	Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	10	2	Yersinia enterocolitica	2
	Meat from horse - carcass - chilled - Slaughterhouse - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	10	0	Yersinia	0
	Meat from other animal species or not specified - minced meat - intended to be eaten cooked - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Yersinia	0
	Meat from pig - carcass - Slaughterhouse - Not Available - food sample - Surveillance - Official sampling - Selective sampling	single (food/fee d)	25	Gram	ISO 10273:2003 Yersinia	12	0	Yersinia	0
	Meat from pig - fresh - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	5	0	Yersinia	0
	Meat from pig - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	10	Gram	ISO 10273:2003 Yersinia	60	0	Yersinia	0
	Meat from pig - fresh - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	4	0	Yersinia	0
	Meat from pig - fresh - Slaughterhouse - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	2	0	Yersinia	0
	Meat from pig - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	5	3	Yersinia enterocolitica	3
	Meat from pig - meat preparation - intended to be eaten cooked - Processing plant - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	1	Yersinia, unspecified sp.	1
	Meat from pig - meat preparation - intended to be eaten cooked - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	9	1	Yersinia, unspecified sp.	1
	Meat from pig - meat products - fresh raw sausages - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/fee d)	50	Gram	ISO 10273:2003 Yersinia	1	0	Yersinia	0
	Meat from pig - meat products - meat specialities - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	11	0	Yersinia	0
	Meat from pig - meat products - meat specialities - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Yersinia	0
	Meat from pig - minced meat - intended to be eaten cooked - Retail - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	1	0	Yersinia	0
	Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	14	0	Yersinia	0
	Meat from rabbit - fresh - chilled - Slaughterhouse - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Not Available	4	0	Yersinia	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from sheep - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	Not Available	8	3	Yersinia enterocolitica	3
	Meat from sheep - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	Not Available	2	1	Yersinia enterocolitica	1
	Meat from sheep - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	Not Available	10	0	Yersinia	0
	Meat from sheep - meat products - cooked, ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	Not Available	5	0	Yersinia	0
	Meat from turkey - fresh - chilled - Slaughterhouse - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	Not Available	10	0	Yersinia	0
	Meat, mixed meat - meat products - fresh raw sausages - Processing plant - Not Available - Not Available - Surveillance - Official sampling - Objective sampling	single (food/feed)	50	Gram	ISO 10273:2003 Yersinia	2	0	Yersinia	0

FOODBORNE OUTBREAKS TABLES

Foodborne Outbreaks: summarized data

No data returned for this view. This might be because the applied filter excludes all data.

Strong Foodborne Outbreaks: detailed data

No data returned for this view. This might be because the applied filter excludes all data.

Weak Foodborne Outbreaks: detailed data

No data returned for this view. This might be because the applied filter excludes all data.

ANTIMICROBIAL RESISTANCE TABLES FOR CAMPYLOBACTER

Table Antimicrobial susceptibility testing of *Campylobacter coli* in Cattle (bovine animals) - calves (under 1 year) - for slaughter

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ciprofloxacin	Erythromycin	Gentamicin	Nalidixic acid	Streptomycin	Tetracycline
ECOFF	0.5	8	2	16	4	2
Lowest limit	0.12	1	0.12	1	0.25	0.5
Highest limit	16	128	16	64	16	64
N of tested isolates	38	38	38	38	38	38
MIC	N of resistant isolates	36	10	3	36	30
<=0.12	2		3			
0.25			15			
<=0.5						3
0.5			15		4	
<=1		19				
1	2		2		2	
2		5		1	2	1
4	4	4		1		
8	10					
16	10					
>16	10		3		30	
32				1		1
64				22		3
>64				13		30
128		2				
>128		8				

Table Antimicrobial susceptibility testing of Campylobacter coli in Pigs - fattening pigs

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ciprofloxacin	Erythromycin	Gentamicin	Nalidixic acid	Streptomycin	Tetracycline
ECOFF	0.5	8	2	16	4	2
Lowest limit	0.12	1	0.12	1	0.25	0.5
Highest limit	16	128	16	64	16	64
N of tested isolates	170	170	170	170	170	170
MIC	N of resistant isolates	165	105	22	163	170
<=0.12	4		3			
0.25			23			
0.5	1		79			
<=1		54				
1	2		42		2	
2	2	7	1	1	8	
4	20			3	5	1
8	63	4	1	2	4	2
16	62	1		1	4	2
>16	16		21		147	
32				5		7
64				62		26
>64				96		132
128		9				
>128		95				

Table Antimicrobial susceptibility testing of Campylobacter jejuni in Cattle (bovine animals) - calves (under 1 year) - for slaughter

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ciprofloxacin	Erythromycin	Gentamicin	Nalidixic acid	Streptomycin	Tetracycline	
ECOFF	0.5	4	2	16	4	1	
Lowest limit	0.12	1	0.12	1	0.25	0.5	
Highest limit	16	128	16	64	16	64	
N of tested isolates	132	132	132	132	132	132	
MIC	N of resistant isolates	104	2	3	101	36	110
<=0.12	28		55				
<=0.25					9		
0.25			63				
<=0.5						21	
0.5			11		57		
<=1		130		4			
1	2				27	1	
2	3			10	3	2	
4	31			16			
8	49			1		10	
16	19				5	4	
>16			3		31		
32				5		19	
64				62		36	
>64				34		39	
>128		2					

ANTIMICROBIAL RESISTANCE TABLES FOR SALMONELLA

Table Antimicrobial susceptibility testing of Salmonella Agona in Cattle (bovine animals) - calves (under 1 year) - for slaughter

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						2								
<=0.03									2					
<=0.25			1											
<=0.5				1				2						
0.5			1										1	2
<=1							2							
1				1									1	
<=2												2		
2	1													
<=4										1				
4	1													
<=8					2									
8		2								1				
64											2			

Table Antimicrobial susceptibility testing of Salmonella Agona in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1											1
<=0.5				1				1						
0.5													1	
<=1	1						1							
<=2												1		
<=4										1				
<=8					1									
8		1												
128											1			

Table Antimicrobial susceptibility testing of Salmonella Agona in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
 Programme Code: AMR MON pnl2

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	Imipenem	Mercopenem	Temocillin										
Cefotaxime synergy test	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent										
Ceftazidime synergy test	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent										
ECOFF	0.12	0.12	0.5	0.5	0.5	0.5	8	8	2	2	2	2	0.06	0.06	1	1	0.125	0.125	32	32
Lowest limit	0.064	0.064	0.25	0.25	0.064	0.064	0.5	0.5	0.25	0.25	0.12	0.12	0.015	0.015	0.12	0.12	0.03	0.03	0.5	0.5
Highest limit	32	32	64	64	64	64	64	64	128	128	128	128	2	2	16	16	16	16	128	128
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC																				
<=0.015													1	2						
<=0.03																	1	2		
<=0.12																			1	
0.25					1	2									1	1				
0.5											1	2								
2									1	2										
4	1	2																		
8							1	2											1	2
16			1	2																

Table Antimicrobial susceptibility testing of Salmonella Agona in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	9	9	9	9	9	9	9	9	9	9	9	9	9	9
N of resistant isolates	5	0	3	0	0	5	0	3	0	3	6	4	0	2
MIC														
<=0.015						1								
<=0.03									8					
0.03						3								
0.064									1					
<=0.25			6										1	3
<=0.5				6				4						
0.5						3							7	4
<=1	3						9							
1								1					1	
<=2												5		
2	1			3		1		1						
<=4										4				
4								1						
>4			3											
<=8					5									
8		5				1		1						
16		4			4			1		2				
32	1									1	2	1		
>32														2
64												3		
>64	4													
128											1			
>128										2				
1024											1			
>1024														5

Table Antimicrobial susceptibility testing of Salmonella Agona in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						2								
0.064								1						
<=0.25			2											2
<=0.5				2				2						
0.5													2	
<=1	1						2							
<=2												2		
2	1													
<=4										2				
<=8					2									
8		2												
64											1			
128											1			

Table Antimicrobial susceptibility testing of Salmonella Agona in Meat from bovine animals - carcass

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcass swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03									1					
0.03						1								
<=0.5								1						
0.5			1										1	1
<=1							1							
1				1										
<=2												1		
4	1													
8		1								1				
16					1									
64											1			

Table Antimicrobial susceptibility testing of Salmonella Alachua in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03									1					
<=0.25			1											1
<=0.5				1				1						
0.5													1	
<=1	1						1							
<=2												1		
<=4										1				
4		1												
<=8					1									
64											1			

Table Antimicrobial susceptibility testing of Salmonella Albany in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03									1					
<=0.25			1											1
<=0.5				1				1						
0.5													1	
<=1	1						1							
<=2												1		
<=4										1				
<=8					1									
8		1												
32											1			

Table Antimicrobial susceptibility testing of Salmonella Albany in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03									1					
<=0.25			1										1	1
<=0.5				1				1						
<=1	1						1							
<=2												1		
<=4										1				
4		1												
<=8					1									
32											1			

Table Antimicrobial susceptibility testing of Salmonella Altona in Meat from pig - carcass

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcass swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	0	0	0	0	0	0	0	0	0	1	0	0
MIC														
<=0.015						1								
0.064									1					
<=0.25			1										1	1
<=0.5				1				1						
<=1							1							
<=4										1				
4		1												
<=8					1									
32											1			
>64	1											1		

Table Antimicrobial susceptibility testing of Salmonella Altona in Pigs - fattening pigs

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03									1					
<=0.25			1										1	1
<=0.5				1				1						
<=1	1						1							
<=2												1		
<=4										1				
4		1												
<=8					1									
128											1			

Table Antimicrobial susceptibility testing of Salmonella Altona in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	0	0	0	1	0	1	0	1	1	1	0	0
MIC														
<=0.03								1						
<=0.25			1											1
0.5													1	
<=1							1							
1				1										
<=8					1									
8		1												
>8						1								
32								1						
64												1		
>64	1													
>128										1				
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Altona in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	0	0	0	1	0	1	0	1	1	1	0	0
MIC														
<=0.03								1						
<=0.25			1											
<=0.5				1										
0.5													1	1
<=1							1							
<=8					1									
8		1												
>8						1								
32								1						
>64	1											1		
>128										1				
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Altona in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	2	0	0	0
MIC														
<=0.015						1								
<=0.03								2						
0.03						2								
0.064								1						
<=0.25			3										2	2
<=0.5				3				3						
0.5													1	1
<=1	2						3							
<=2												3		
2	1													
<=4										3				
4		1												
<=8					3									
8		2												
32											1			
512											1			
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Anatum in Meat from pig - carcass

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcass swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03									1					
<=0.25			1										1	1
<=0.5				1				1						
<=1	1						1							
<=2												1		
<=4										1				
4		1												
<=8					1									
16											1			

Table Antimicrobial susceptibility testing of Salmonella Anatum in Pigs - fattening pigs

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	1	0	0
MIC														
<=0.015						1								
<=0.03								3						
0.03						2								
<=0.25			3										2	3
<=0.5				3				3						
0.5													1	
<=1	2						3							
<=2												2		
2	1													
<=4										3				
4		1												
<=8					3									
8		2												
32											2	1		
64											1			

Table Antimicrobial susceptibility testing of Salmonella Anatum in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1										1	1
<=0.5				1										
<=1	1						1							
1								1						
<=2												1		
<=4										1				
<=8					1									
8		1												
32											1			

Table Antimicrobial susceptibility testing of Salmonella Anatum in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1											
<=0.5				1				1						
0.5													1	1
<=1	1						1							
<=2												1		
<=4										1				
<=8					1									
8		1												
128											1			

Table Antimicrobial susceptibility testing of Salmonella Anatum in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								3						
0.03						3								
<=0.25			3										1	1
<=0.5				3				3						
0.5													2	2
<=1	3						3							
<=2												3		
<=4										3				
<=8					3									
8		3												
16											1			
64											2			

Table Antimicrobial susceptibility testing of Salmonella Anatum in Meat from bovine animals - carcass

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcass swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1										1	1
<=0.5				1				1						
<=1	1						1							
<=2												1		
<=4										1				
<=8					1									
8		1												
32											1			

Table Antimicrobial susceptibility testing of Salmonella Bardo in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	0	0	0	0	0	1	0	0	0	1	1	1	0	1
MIC														
<=0.015						2								
<=0.03								2						
0.064								1						
<=0.25			3										1	2
<=0.5				2				3						
0.5													1	
<=1	2						3							
1				1		1							1	
<=2												2		
2	1													
<=4										2				
<=8					3									
8		2												
16		1												
>32														1
64											2			
>64												1		
>128										1				
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Barranquilla in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	1	0	0	0
MIC														
<=0.03									1					
0.03						1								
<=0.25			1										1	1
<=0.5				1				1						
<=1	1													
<=2												1		
2							1							
<=4										1				
<=8					1									
16		1												
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Bovismorbificans in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	3	0	0	0
MIC														
<=0.015						1								
<=0.03								2						
0.03						2								
0.064									1					
<=0.25			3										2	2
<=0.5				3				3						
0.5													1	1
<=1	3						1							
<=2												3		
2							2							
<=4										2				
4		2												
<=8					3									
8		1								1				
>1024											3			

Table Antimicrobial susceptibility testing of Salmonella Braenderup in Meat from bovine animals - carcase

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03								2						
0.03						1								
<=0.25			2										2	
<=0.5				2				2						
0.5														2
<=1	2						2							
<=2												2		
<=4										2				
4		1												
<=8					2									
8		1												
64											1			
128											1			

Table Antimicrobial susceptibility testing of Salmonella Brandenburg in Meat from pig - carcase

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	5	5	5	5	5	5	5	5	5	5	5	5	5	5
N of resistant isolates	2	0	0	0	2	2	0	1	0	1	2	2	0	2
MIC														
<=0.03									4					
0.03						3								
0.064									1					
<=0.25			5										3	3
0.25						1								
<=0.5				5				3						
0.5						1							2	
<=1	3						5							
1								1						
<=2												3		
<=4										3				
<=8					3									
8		5												
16								1		1				
>32														2
64					1						1			
>64	2											2		
128					1						2			
>128										1				
>1024											2			

Table Antimicrobial susceptibility testing of Salmonella Brandenburg in Pigs - fattening pigs

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	8	8	8	8	8	8	8	8	8	8	8	8	8	8
N of resistant isolates	1	1	0	0	1	1	0	1	0	0	4	2	0	3
MIC														
<=0.015						2								
<=0.03									8					
0.03						1								
0.064						4								
<=0.25			8											3
<=0.5				7				6						
0.5						1							4	2
<=1	3						7							
1				1				1					4	
<=2												1		
2	2						1							
<=4										4				
4	2											3		
<=8					3									
8		4								3		2		
16		3			4			1		1				
32		1												
>32														3
64					1						3			
>64	1											2		
128											1			
>1024														4

Table Antimicrobial susceptibility testing of Salmonella Brandenburg in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	1	0	0	0	0	0	0	0	0
MIC														
<=0.03								2						
0.03						1								
<=0.25			2											1
<=0.5				2										
0.5						1							2	1
<=1	1						1							
1								2						
<=2												2		
2	1						1							
<=4										1				
<=8					2									
8		1												
16		1								1				
64											2			

Table Antimicrobial susceptibility testing of Salmonella Bredeney in Meat from pig - carcass

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcass swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON pnl2

Analytical Method:

Country of Origin: Spain

AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	Imipenem	Meropenem	Temocillin
Cefotaxime synergy test	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present
Ceftazidime synergy test	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present
ECOFF	0.12	0.5	0.5	8	2	2	0.06	1	0.125	32
Lowest limit	0.064	0.25	0.064	0.5	0.25	0.12	0.015	0.12	0.03	0.5
Highest limit	32	64	64	64	128	128	2	16	16	128
N of tested isolates	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	1	1	1	1	1	0	0	0	0
MIC										
<=0.015							1			
<=0.03									1	
0.25								1		
0.5	1									
4										1
8			1			1				
16		1			1					
32				1						

Table Antimicrobial susceptibility testing of Salmonella Bredeney in Meat from pig - carcass

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcass swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	1	1	0	1	0	0	0	0	1	1	0	0
MIC														
<=0.03									1					
<=0.25														1
<=0.5								1						
0.5													1	
<=1							1							
1						1								
>4			1											
<=8					1									
8		1												
>8				1										
16										1				
>64	1											1		
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Bredeney in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03								2						
0.03						1								
<=0.25			2										1	2
<=0.5				2				2						
0.5													1	
<=1	2						1							
<=2												2		
2							1							
<=4										2				
<=8					2									
8		1												
16		1									1			
32											1			

Table Antimicrobial susceptibility testing of Salmonella Bredeney in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON pnl2

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Cefepime		Cefotaxim		Cefotaxime + Clavulanic acid		Cefoxitin		Ceftazidim		Ceftazidime + Clavulanic acid		Ertapenem		Imipenem		Meropenem		Temocillin					
	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent				
Cefotaxime synergy test	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent				
Ceftazidime synergy test	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent				
ECOFF	0.12	0.12	0.5	0.5	0.5	0.5	8	8	2	2	2	2	0.06	0.06	1	1	0.125	0.125	32	32				
Lowest limit	0.064	0.064	0.25	0.25	0.064	0.064	0.5	0.5	0.25	0.25	0.12	0.12	0.015	0.015	0.12	0.12	0.03	0.03	0.5	0.5				
Highest limit	32	32	64	64	64	64	64	64	128	128	128	128	2	2	16	16	16	16	128	128				
N of tested isolates	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5				
N of resistant isolates	5	5	5	5	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0				
MIC																								
<=0.015															2	3								
<=0.03																			2	3				
<=0.064																					1			
<=0.12																					1	3		
0.12					1	3																		
0.25											2	3			1									
1											3													
2	1	1							1	2	1													
4											1													
8	1	2															1	1						
16					1	1			1															
32					1	2																		
64																					1			

Table Antimicrobial susceptibility testing of Salmonella Bredeney in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim		
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2		
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25		
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32		
N of tested isolates	16	16	16	16	16	16	16	16	16	16	16	16	16	16		
N of resistant isolates	6	0	5	1	4	7	0	3	0	6	11	7	0	1		
MIC																
<=0.03										16						
0.03						9										
<=0.25			11													
0.25						1										
<=0.5				11			11									
0.5						2							4	1		
<=1	9											8				
1				4			4	1					2			
<=2												9				
2	1											8	1			
<=4										8						
4								3								
>4			5													
<=8					12											
8			10							1						
>8				1									1			
16			6										1	2		
32											1	2				
>32												1				
64											2	6				
>64	6											1				
128					4											
>128										5						
256											1					
>1024												11				

Table Antimicrobial susceptibility testing of Salmonella Bredeney in Meat from bovine animals - carcass

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcass swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	2	0	0
MIC														
<=0.03								2						
0.03						2								
<=0.25			2											2
<=0.5				2				2						
0.5													2	
<=1	2						2							
<=4										2				
<=8					2									
8		2												
32											2			
64												2		

Table Antimicrobial susceptibility testing of Salmonella Cerro in Pigs - fattening pigs

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	0	0	0	0	0	0	0	0	1	1	0	1
MIC														
<=0.03								1						
0.03						1								
<=0.25			1											
<=0.5				1				1						
0.5													1	
<=1							1							
<=4										1				
<=8					1									
8		1												
>32														1
>64	1											1		
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Cerro in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1											1
<=0.5				1				1						
0.5													1	
<=1	1						1							
<=2												1		
<=4										1				
<=8					1									
8		1												
16											1			

Table Antimicrobial susceptibility testing of Salmonella Cerro in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	1	0	0	0	0	0	0	0	0
MIC														
<=0.03									1					
<=0.25			1											1
0.25						1								
<=0.5				1				1						
0.5													1	
<=1	1						1							
<=2												1		
<=8					1									
8		1												
16										1				
64											1			

Table Antimicrobial susceptibility testing of Salmonella Cerro in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								2						
0.03						2								
<=0.25			2										2	1
<=0.5				2				2						
0.5														1
<=1	1						2							
<=2												2		
2	1													
<=4										1				
<=8					2									
8		2								1				
16											1			
128												1		

Table Antimicrobial susceptibility testing of Salmonella Chester in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03									1					
<=0.25			1										1	1
<=0.5				1				1						
<=1	1						1							
<=2												1		
<=4										1				
<=8					1									
8		1												
32											1			

Table Antimicrobial susceptibility testing of Salmonella Coeln in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	1	0	0	0	0	1	0	0	0	0	0	1	0	0
MIC														
<=0.03								2						
0.03						1								
<=0.25			2											
<=0.5				2				2						
0.5						1							1	2
<=1							2							
1													1	
<=2												1		
2	1													
4		1												
<=8					2									
8		1								2				
64											2			
>64	1											1		

Table Antimicrobial susceptibility testing of Salmonella Coeln in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1										1	
<=0.5				1				1						
0.5														1
<=1	1						1							
<=2												1		
<=4										1				
<=8					1									
8		1												
128											1			

Table Antimicrobial susceptibility testing of Salmonella Corvallis in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	1	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
<=0.25			1											1
0.25						1								
<=0.5				1				1						
0.5													1	
<=1	1						1							
<=2												1		
4		1												
<=8					1									
16										1				
32											1			

Table Antimicrobial susceptibility testing of Salmonella Corvallis in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						3								
<=0.03									3					
<=0.25			3										1	2
<=0.5				3				3						
0.5													2	1
<=1	2						2							
<=2												3		
2	1						1							
<=4										3				
4		2												
<=8					3									
8		1												
32											1			
64											1			
128											1			

Table Antimicrobial susceptibility testing of Salmonella Corvallis in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	10	10	10	10	10	10	10	10	10	10	10	10	10	10
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	1	0	0	1
MIC														
<=0.015						8								
<=0.03								10						
0.03						2								
<=0.25			10										7	8
<=0.5				10				8						
0.5													3	1
<=1	9						10							
1								2						
<=2												10		
2	1													
<=4										10				
4		5												
<=8					10									
8		5												
32											1			1
64												7		
128												1		
>1024												1		

Table Antimicrobial susceptibility testing of Salmonella Dabou in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03									1					
<=0.25			1										1	
<=0.5				1										
0.5														1
<=1	1						1							
1								1						
<=2												1		
<=4										1				
<=8					1									
8		1												
128											1			

Table Antimicrobial susceptibility testing of Salmonella Derby in Meat from pig - carcase

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	10	10	10	10	10	10	10	10	10	10	10	10	10	10
N of resistant isolates	0	0	0	0	0	2	0	0	0	0	3	3	0	2
MIC														
<=0.015						5								
<=0.03								10						
0.03						3								
<=0.25			10										7	8
<=0.5				9				10						
0.5						2							3	
<=1	9						10							
1				1										
<=2												7		
2	1													
<=4										8				
4		2												
<=8					10									
8		7												
16		1								2				
32											1			
>32														2
64											3			
>64												3		
128											3			
>1024											3			

Table Antimicrobial susceptibility testing of Salmonella Derby in Pigs - fattening pigs

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	15	15	15	15	15	15	15	15	15	15	15	15	15	15
N of resistant isolates	0	0	0	0	1	0	0	0	0	0	7	10	0	7
MIC														
<=0.015						11								
<=0.03									14					
0.03						3								
0.064						1			1					
<=0.25			14										5	7
<=0.5				14				13						
0.5			1										10	1
<=1	12						15							
1				1				2						
<=2												4		
2	3													
<=4										15				
<=8					12									
8		11										1		
16		4			2									
32											6	1		
>32														7
64												4		
>64												5		
128											1			
>128					1									
256											1			
>1024											7			

Table Antimicrobial susceptibility testing of Salmonella Derby in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	1	0	1	0	1	1	1	0	0
MIC														
<=0.03									1					
<=0.25			1											1
0.25						1								
0.5													1	
<=1							1							
1				1										
2	1													
<=8					1									
8		1												
16								1						
64												1		
>128										1				
512											1			

Table Antimicrobial susceptibility testing of Salmonella Derby in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	35	35	35	35	35	35	35	35	35	35	35	35	35	35
N of resistant isolates	35	0	0	0	0	23	0	0	0	2	35	35	0	35
MIC														
<=0.015						1								
<=0.03									31					
0.03						11								
0.064									4					
<=0.25			34											
0.25						8								
<=0.5				31				19						
0.5			1			15							26	
<=1							34							
1				4				15					9	
2							1	1						
<=4										11				
<=8					29									
8		22								1				
16		13			6					21				
32										2				
>32														35
64												12		
>64	35											23		
>1024											35			

Table Antimicrobial susceptibility testing of Salmonella Derby in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	3	0	0	0	1	3	0	0	0	0	3	3	0	3
MIC														
<=0.03								3						
<=0.25			3											
0.25						1								
<=0.5				2				3						
0.5						2							3	
<=1							3							
1				1										
<=8					2									
8		3												
16										3				
>32														3
64					1							1		
>64	3											2		
>1024											3			

Table Antimicrobial susceptibility testing of Salmonella Derby in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	1	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1											
<=0.5				1				1						
0.5													1	1
<=1	1						1							
<=4										1				
8		1												
16					1									
32												1		
64											1			

Table Antimicrobial susceptibility testing of Salmonella Dublin in Cattle (bovine animals) - calves (under 1 year) - for slaughter

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
0.064									1					
<=0.25			1											1
<=0.5				1				1						
0.5													1	
<=1	1													
<=2												1		
2							1							
<=4										1				
4		1												
<=8					1									
32											1			

Table Antimicrobial susceptibility testing of Salmonella enterica, subspecies arizonae in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03									1					
<=0.25			1											1
<=0.5				1				1						
0.5													1	
<=1	1						1							
<=2												1		
<=4										1				
<=8					1						1			
8		1												

Table Antimicrobial susceptibility testing of Salmonella enterica, subspecies diarizonae in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
0.064									1					
<=0.25			1										1	
<=0.5				1				1						
0.5														1
<=1	1						1							
<=2												1		
<=4										1				
<=8					1									
8		1												
64											1			

Table Antimicrobial susceptibility testing of Salmonella enterica, subspecies diarizonae in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	1	0	0	0
MIC														
<=0.015						1								
0.064									1					
<=0.25			1											1
<=0.5				1				1						
0.5													1	
<=1	1						1							
<=2												1		
<=4										1				
<=8					1									
16		1												
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella enterica, subspecies salamae in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1											1
<=0.5				1				1						
0.5													1	
<=1							1							
<=2												1		
2	1													
<=4										1				
<=8					1									
16		1												
64											1			

Table Antimicrobial susceptibility testing of Salmonella Enteritidis in Cattle (bovine animals) - calves (under 1 year) - for slaughter

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1											1
<=0.5				1				1						
0.5													1	
<=1							1							
<=2												1		
2	1													
<=4										1				
4		1												
<=8					1									
32											1			

Table Antimicrobial susceptibility testing of Salmonella Enteritidis in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	1	0	0	0	1	0	0	0	0
MIC														
<=0.03								2						
0.03						1								
<=0.25			2										2	2
0.25						1								
<=0.5				2				2						
<=1	1						2							
<=2												2		
2	1													
<=4										1				
<=8					2						1			
8		2												
64											1			
>128										1				

Table Antimicrobial susceptibility testing of Salmonella Enteritidis in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	1	0	0	0	1	0	0	0	0
MIC														
<=0.03									2					
0.03						1								
<=0.25			2											1
0.25						1								
<=0.5				2				2						
0.5													2	1
<=1	2													
<=2												2		
2							2							
<=4										1				
<=8					2									
8		2												
32											1			
64											1			
>128									1					

Table Antimicrobial susceptibility testing of Salmonella Enteritidis in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	24	24	24	24	24	24	24	24	24	24	24	24	24	24
N of resistant isolates	0	0	0	0	0	6	10	0	0	6	0	0	0	0
MIC														
<=0.015						5								
<=0.03								22						
0.03						13								
0.064									2					
<=0.25			23										12	11
0.25						6								
<=0.5				24				21						
0.5			1										12	10
<=1	10						7							
1								2						3
<=2												24		
2	14							1						
<=4										17				
4		1					9							
<=8					24						2			
8		23					1			1				
32											11			
64											11			
>128									6					

Table Antimicrobial susceptibility testing of Salmonella Essen in Pigs - fattening pigs

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	1	0	0	0	0	1	1	0	1
MIC														
<=0.015						1								
<=0.03								2						
<=0.25			2										1	1
0.25						1								
<=0.5				1				2						
0.5													1	
<=1	2						2							
1				1										
<=2												1		
<=4										1				
<=8					2									
8		2												
16										1				
>32														1
>64												1		
128											1			
>1024												1		

Table Antimicrobial susceptibility testing of Salmonella Gaminara in Cattle (bovine animals) - calves (under 1 year) - for slaughter

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1											
<=0.5				1				1						
0.5													1	1
<=1	1						1							
<=2												1		
<=4										1				
4		1												
<=8					1									
64											1			

Table Antimicrobial susceptibility testing of Salmonella Goldcoast in Meat from pig - carcass

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcass swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	0	0	1	1	0	0	0	0	1	1	0	1
MIC														
<=0.03									1					
<=0.25			1										1	
<=0.5				1				1						
0.5						1								
<=1							1							
8		1												
16										1		1		
>32														1
64					1									
>64	1													
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Goldcoast in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	0	0	0	0	0	0	0	0	1	1	0	1
MIC														
<=0.03								1						
0.03						1								
<=0.25			1											
<=0.5				1				1						
0.5													1	
<=1							1							
<=4										1				
<=8					1									
8		1												
>32														1
64												1		
>64	1													
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Goldcoast in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	0	0	0	1	0	0	0	1	1	1	0	1
MIC														
<=0.03									1					
<=0.25			1											
0.25						1								
<=0.5				1				1						
0.5													1	
<=1							1							
4		1												
<=8					1									
>32														1
64												1		
>64	1													
>128										1				
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Hadar in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	16	16	16	16	16	16	16	16	16	16	16	16	16	16
N of resistant isolates	9	0	0	0	2	16	0	0	0	16	2	15	3	0
MIC														
<=0.03									16					
<=0.25			13											6
0.25						4								
<=0.5				13				13						
0.5			3			2							6	10
<=1	6						14							
1				2		10		2					7	
2				1			2	1					3	
4	1	3										1		
<=8					8									
8		4												
16		9			6						1			
32											11			
64					1						2	4		
>64	9											11		
128					1									
>128										16				
>1024											2			

Table Antimicrobial susceptibility testing of Salmonella Havana in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	14	14	14	14	14	14	14	14	14	14	14	14	14	14
N of resistant isolates	0	0	0	0	0	13	0	0	0	6	0	0	0	0
MIC														
<=0.03								13						
0.03						1								
0.064									1					
<=0.25			14											14
<=0.5				14				10						
0.5						11							13	
<=1	13						14							
1						2		4					1	
<=2												13		
2	1													
4												1		
<=8					13									
8		13								1				
16		1			1					7	1			
32										6	13			

Table Antimicrobial susceptibility testing of Salmonella Havana in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	0	0	0	0	0	3	0	0	0	0	0	0	0	0
MIC														
<=0.03									3					
<=0.25			3										1	3
<=0.5				3				3						
0.5						3							2	
<=1	3						3							
<=2												3		
<=8					3									
8		3												
16										3				
32											3			

Table Antimicrobial susceptibility testing of Salmonella Havana in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1											1
<=0.5				1				1						
<=1							1							
1													1	
2	1													
<=4										1				
4												1		
16		1			1						1			

Table Antimicrobial susceptibility testing of Salmonella Havana in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								2						
0.03						2								
<=0.25			2										1	1
<=0.5				2				2						
0.5													1	1
<=1	2						2							
<=2												2		
<=4										1				
<=8					2									
8		2								1				
32											2			

Table Antimicrobial susceptibility testing of Salmonella Heidelberg in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	1	1	1	1
MIC														
<=0.015						1								
<=0.03									1					
<=0.25			1											
<=0.5				1				1						
<=1	1						1							
2													1	
<=4										1				
<=8					1									
8		1												
>32														1
>64												1		
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Hessarek in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03									1					
0.064						1								
<=0.25			1										1	1
<=0.5				1				1						
<=1	1						1							
<=2												1		
<=4										1				
<=8					1									
8		1												
16											1			

Table Antimicrobial susceptibility testing of Salmonella Hindmarsh in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	1	0	0	0	0	0	1	1	0	1
MIC														
<=0.03									1					
0.03						1								
<=0.25			1											
<=0.5				1										
0.5													1	
<=1	1						1							
1								1						
<=4										1				
8		1												
>32														1
>64												1		
>128					1									
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Idikan in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
0.03						1								
0.064									1					
<=0.25			1											
<=0.5				1				1						
0.5													1	1
<=1	1						1							
<=2												1		
<=4										1				
8		1												
16					1									
64											1			

Table Antimicrobial susceptibility testing of Salmonella Indiana in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	0	0	0	0	0	0	0	0	1	1	0	1
MIC														
<=0.015						1								
<=0.03									1					
<=0.25			1											
<=0.5				1				1						
0.5													1	
<=1							1							
<=4										1				
<=8					1									
8		1												
>32														1
64												1		
>64	1													
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Indiana in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1										1	1
<=0.5				1				1						
<=1	1						1							
<=2												1		
<=4										1				
<=8					1									
8		1												
32											1			

Table Antimicrobial susceptibility testing of Salmonella Infantis in Meat from pig - carcase

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcass swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim		
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2		
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25		
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32		
N of tested isolates	5	5	5	5	5	5	5	5	5	5	5	5	5	5		
N of resistant isolates	5	0	0	0	5	0	0	0	0	0	5	5	0	5		
MIC																
<=0.03										5						
0.064						5										
<=0.25			5													
<=0.5				3						4						
0.5												1				
<=1							5									
1				2					1							
<=4										4						
8											1					
16			5													
>32												5				
>64	5											5				
>128					5											
>1024											5					

Table Antimicrobial susceptibility testing of Salmonella Infantis in Pigs - fattening pigs

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03								2						
0.03						1								
<=0.25			2										2	2
<=0.5				2				2						
<=1	2						2							
<=2												2		
<=4										2				
<=8					2									
8		2												
64											1			
128											1			

Table Antimicrobial susceptibility testing of Salmonella Infantis in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	13	13	13	13	13	13	13	13	13	13	13	13	13	13
N of resistant isolates	0	0	0	0	0	4	0	0	0	4	4	4	0	3
MIC														
<=0.015						1								
<=0.03									12					
0.03						8								
0.064									1					
<=0.25			13										3	5
<=0.5				12				10						
0.5						2							5	3
<=1	10						13							
1				1		2		2					5	1
<=2												9		
2	2							1						1
<=4										9				
4	1													
<=8					12									
8		8												
16		5			1									
32											2			
>32														3
64											6			
>64												4		
128											1			
>128										4				
>1024											4			

Table Antimicrobial susceptibility testing of Salmonella Infantis in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim	
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2	
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25	
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32	
N of tested isolates	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
N of resistant isolates	2	0	0	0	1	12	0	1	0	12	12	11	3	6	
MIC															
<=0.03										15					
0.03						3									
<=0.25			15											2	
<=0.5				13						13					
0.5						1							3	6	
<=1	2								15					9	1
1				1					11	1					
<=2											3				
2	9				1									3	
<=4										3					
4	2											1			
<=8					7										
8			8												
16	1	7			7										
32								1							1
>32											2				
>64	1											11			
128					1						12				
>128					1										
1024											1				
>1024											11				

Table Antimicrobial susceptibility testing of Salmonella Infantis in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: environmental sample - boot swabs

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	1	0	0	0	1	1	1	0	1
MIC														
<=0.03									1					
<=0.25			1											
<=0.5				1				1						
0.5						1								
<=1	1						1							
1													1	
8		1												
16					1									
>32														1
>64												1		
>128										1				
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Infantis in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	1	0	0	0	1	1	1	0	0
MIC														
<=0.015						1								
<=0.03								2						
<=0.25			2										1	2
<=0.5				2				2						
0.5						1							1	
<=1	1						2							
<=2												1		
2	1													
<=4										1				
4		1												
<=8					2									
16		1												
32											1			
>64												1		
>128										1				
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Infantis in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	7	7	7	7	7	7	7	7	7	7	7	7	7	7
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								7						
0.03						7								
<=0.25			7										3	2
<=0.5				7				7					4	5
0.5														
<=1	2						7							
<=2												7		
2	5													
<=4										7				
<=8					7									
8		7												
32											1			
64											3			
128											1			
256											2			

Table Antimicrobial susceptibility testing of Salmonella Infantis in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	13	13	13	13	13	13	13	13	13	13	13	13	13	13
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								13						
0.03						13								
<=0.25			13										1	3
<=0.5				13				12						
0.5													12	9
<=1	6						13							
1								1						1
<=2												13		
2	7													
<=4										13				
<=8					13									
8		11												
16		2												
32											2			
64											5			
128											5			
256											1			

Table Antimicrobial susceptibility testing of Salmonella Kapemba in Pigs - fattening pigs

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	1	0	0	0	1	2	0	0	0	2	1	1	0	2
MIC														
<=0.03									1					
0.064									1					
<=0.25			2										1	
<=0.5				2				1						
0.5						1							1	
<=1	1						2							
1								1						
<=2												1		
2						1								
<=8					1									
8		2												
32											1			
>32														2
>64	1											1		
>128					1					2				
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Kedougou in Pigs - fattening pigs

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	2	0	0	0	2	2	0	1	0	0	2	2	0	2
MIC														
<=0.03									2					
<=0.25			2										1	
<=0.5				2				1						
0.5						2							1	
<=1							2							
8		1								1				
16		1								1				
>32								1						2
>64	2											2		
>128					2									
>1024											2			

Table Antimicrobial susceptibility testing of Salmonella Kedougou in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	1	0	0	0	1	1	0	0	0	0	2	1	0	2
MIC														
<=0.03								2						
0.03						1								
<=0.25			2										1	
0.25						1								
<=0.5				2				2						
0.5													1	
<=1	1						2							
<=2												1		
<=4										2				
<=8					1									
8		2												
>32														2
>64	1											1		
>128					1									
>1024											2			

Table Antimicrobial susceptibility testing of Salmonella Kedougou in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	0	0	0	1	0	0	0	0	1	1	0	1
MIC														
<=0.03									1					
<=0.25			1										1	
0.25						1								
<=0.5				1										
<=1							1							
1								1						
<=8					1									
8		1												
16										1				
>32														1
>64	1											1		
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Kedougou in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	1	0	0	0	0	0	2	1	0	2
MIC														
<=0.03								2						
0.03						2								
<=0.25			2										1	
<=0.5				2				2						
0.5													1	
<=1							2							
<=2												1		
2	2													
<=4										1				
<=8					1									
8		1								1				
16		1												
>32														2
>64												1		
>128					1									
>1024											2			

Table Antimicrobial susceptibility testing of Salmonella Kedougou in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	1	0	0	0
MIC														
<=0.015						1								
<=0.03									1					
<=0.25			1											
<=0.5				1				1						
0.5													1	1
<=1	1						1							
<=2												1		
<=4										1				
<=8					1									
8		1												
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Kentucky in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Industry sampling

Sampling Strategy: Census

Programme Code: AMR MON pnl2

Analytical Method:

Country of Origin: Spain

AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	Imipenem	Meropenem	Temocillin
Cefotaxime synergy test	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present
Ceftazidime synergy test	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present
ECOFF	0.12	0.5	0.5	8	2	2	0.06	1	0.125	32
Lowest limit	0.064	0.25	0.064	0.5	0.25	0.12	0.015	0.12	0.03	0.5
Highest limit	32	64	64	64	128	128	2	16	16	128
N of tested isolates	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	1	0	0	1	0	0	0	0	0
MIC										
<=0.015							1			
<=0.03									1	
<=0.064			1							
0.25								1		
0.5						1				
4	1			1						
16		1								1
128					1					

Table Antimicrobial susceptibility testing of Salmonella Kentucky in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	11	11	11	11	11	11	11	11	11	11	11	11	11	11
N of resistant isolates	8	0	1	1	1	10	0	7	0	10	10	6	0	0
MIC														
<=0.015						1								
<=0.03									11					
<=0.25			9										4	3
<=0.5				4				4						
0.5			1										3	5
<=1	1						11							
1				6									4	2
<=2												5		
2	1													1
<=4										1				
4	1	1												
>4			1											
<=8					9									
8		8				2								
>8				1		8								
16		2			1			5						
32								2			1	1		
64	2				1							3		
>64	6											2		
>128										10				
1024											1			
>1024												9		

Table Antimicrobial susceptibility testing of Salmonella Kentucky in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	3	0	0	0	1	3	0	2	0	3	2	2	0	1
MIC														
<=0.03									3					
<=0.25			3											2
<=0.5				2				1						
0.5													2	
<=1							3							
1				1									1	
<=2												1		
<=8					2									
8		3				1								
>8						2								
16								1						
>32								1						1
64	1										1	1		
>64	2											1		
128					1									
>128										3				
>1024											2			

Table Antimicrobial susceptibility testing of Salmonella Kentucky in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Objective sampling

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	1	0	0	0	0	2	0	1	0	2	1	1	0	0
MIC														
<=0.03									2					
<=0.25			2											
<=0.5				1				1						
0.5													1	1
<=1							2							
1				1									1	1
<=2												1		
2	1													
<=8					1									
8		2												
>8						2								
16					1			1						
32											1			
64												1		
>64	1													
>128										2				
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Kentucky in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Suspect sampling

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	0	0	0	1	0	1	0	1	1	1	0	0
MIC														
<=0.03								1						
<=0.25			1											
<=0.5				1										
0.5														1
<=1							1							
1													1	
<=8					1									
8		1				1								
16								1						
64	1											1		
>128										1				
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Kentucky in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	19	19	19	19	19	19	19	19	19	19	19	19	19	19
N of resistant isolates	17	0	0	0	2	19	0	18	0	19	18	17	4	2
MIC														
<=0.03								19						
<=0.25			14										1	9
<=0.5				10										
0.5			5										10	5
<=1	1						18							
1				7				1					4	2
<=2												2		
2	1			2				1					4	1
<=8					11									
8		10				5		1						
>8						14								
16		9			6			11						
32								3			1	2		
>32								3						2
64	5				1							11		
>64	12											4		
128					1									
>128										19				
>1024											18			

Table Antimicrobial susceptibility testing of Salmonella Kentucky in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	1	0	0	0	0	1	0	1	0	1	1	1	1	0
MIC														
<=0.03								2						
0.064						1								
<=0.25			2											1
<=0.5								1						
<=1							2							
1				2									1	1
2													1	
4	1											1		
<=8					1									
8						1				1				
16		2			1			1						
64	1										1	1		
128										1				
1024											1			

Table Antimicrobial susceptibility testing of Salmonella Kentucky in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	1	0	0	0	0	2	0	2	0	2	2	2	0	0
MIC														
<=0.03								2						
0.03						1								
0.064								1						
<=0.25			3										1	1
<=0.5				3				1						
0.5													2	2
<=1	2						3							
<=2												1		
<=4										1				
4		1												
<=8					3									
8		1				1								
>8						1								
16		1						2						
32	1													
64												2		
128											1			
>128										2				
>1024											2			

Table Antimicrobial susceptibility testing of Salmonella Kentucky in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim	
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2	
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25	
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32	
N of tested isolates	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
N of resistant isolates	1	0	0	0	0	2	0	1	0	2	1	1	0	0	
MIC															
<=0.03										5					
0.03						4									
0.064										1					
<=0.25			6								2	3			
<=0.5				6				5							
0.5						1						3	3		
<=1	3							6							
1													1		
<=2												5			
2	2														
<=4										4					
<=8					6										
8			6				1								
32								1			1				
64											1	1			
>64	1														
128												4			
>128										1					
>1024											1				

Table Antimicrobial susceptibility testing of Salmonella Langenhorn in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
0.03						1								
0.064									1					
<=0.25			1										1	1
<=0.5				1				1						
<=1	1						1							
<=2												1		
<=4										1				
<=8					1									
8		1												
64											1			

Table Antimicrobial susceptibility testing of Salmonella Leeuwarden in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03									1					
<=0.25			1										1	1
<=0.5				1				1						
<=1	1						1							
<=2		1										1		
<=4										1				
<=8					1						1			

Table Antimicrobial susceptibility testing of Salmonella Liverpool in Pigs - fattening pigs

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1											1
<=0.5				1				1						
0.5													1	
<=1	1						1							
<=2												1		
<=4										1				
4		1												
<=8					1									
128											1			

Table Antimicrobial susceptibility testing of Salmonella Liverpool in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1											1
<=0.5				1										
0.5													1	
<=1	1													
1								1						
<=2												1		
2							1							
<=4										1				
<=8					1									
8		1												
64											1			

Table Antimicrobial susceptibility testing of Salmonella Liverpool in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03									1					
<=0.25			1										1	1
<=0.5				1				1						
<=1	1						1							
<=2												1		
<=4										1				
<=8					1									
8		1												
64											1			

Table Antimicrobial susceptibility testing of Salmonella Livingstone in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	4	4	4	4	4	4	4	4	4	4	4	4	4	4
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								2						
0.03						4								
0.064								2						
<=0.25			4										1	
<=0.5				4				4						
0.5													3	4
<=1	4						4							
<=2												4		
<=4										3				
<=8					4									
8		4								1				
32											3			
64											1			

Table Antimicrobial susceptibility testing of Salmonella Livingstone in Meat from bovine animals - carcase

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	4	4	4	4	4	4	4	4	4	4	4	4	4	4
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						3								
<=0.03									2					
0.03						1								
0.064									2					
<=0.25			3										3	4
<=0.5				4				3						
0.5			1										1	
<=1	3						4							
1								1						
<=2												4		
2	1													
<=4										4				
4		2												
<=8					4									
8		2												
16											1			
32											3			

Table Antimicrobial susceptibility testing of Salmonella Llandoff in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	1	0	0	0	0	0	0	0	0
MIC														
<=0.03									1					
<=0.25			1											1
0.25						1								
<=0.5				1				1						
0.5													1	
<=1	1						1							
<=2												1		
<=8					1									
8		1								1				
64											1			

Table Antimicrobial susceptibility testing of Salmonella London in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						2								
<=0.03								3						
0.03						1								
<=0.25			3										1	
<=0.5				3				3						
0.5													2	3
<=1	3						3							
<=2												3		
<=4										2				
4		2												
<=8					3									
8		1								1				
32											1			
64											1			
128											1			

Table Antimicrobial susceptibility testing of Salmonella London in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	16	16	16	16	16	16	16	16	16	16	16	16	16	16
N of resistant isolates	10	0	0	0	0	1	0	0	0	0	6	1	0	6
MIC														
<=0.015						11								
<=0.03								16						
0.03						4								
<=0.25			16										13	2
0.25						1								
<=0.5				16				15						
0.5													3	8
<=1	6						16							
1								1						
<=2												15		
<=4										15				
4		10												
<=8					16									
8		6												
16										1				
32											1			
>32														6
64											4			
>64	10											1		
128											5			
>1024											6			

Table Antimicrobial susceptibility testing of Salmonella London in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	0	0	0	0	0	0	0	0	1	0	0	1
MIC														
<=0.03									1					
0.03						1								
<=0.25			1										1	
<=0.5				1				1						
<=1							1							
<=2												1		
<=4										1				
<=8					1									
8		1												
>32														1
>64	1													
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella London in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03									1					
<=0.25			1										1	1
<=0.5				1				1						
<=1	1						1							
<=2												1		
<=4										1				
<=8					1									
8		1												
32											1			

Table Antimicrobial susceptibility testing of Salmonella Mbandaka in Cattle (bovine animals) - calves (under 1 year) - for slaughter

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						2								
<=0.03								2						
<=0.25			2										1	2
<=0.5				2				2						
0.5													1	
<=1	2						2							
<=2												2		
<=4										2				
4		1												
<=8					2									
8		1												
16											1			
32											1			

Table Antimicrobial susceptibility testing of Salmonella Mbandaka in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	1	0	0	0
MIC														
<=0.015						1								
<=0.03								2						
0.03						1								
<=0.25			2										2	1
<=0.5				2				1						
0.5														1
<=1	2						2							
1								1						
<=2												2		
<=4										2				
<=8					2									
8		2												
128											1			
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Mbandaka in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1											
<=0.5				1				1						
0.5													1	1
<=1							1							
<=2												1		
2	1													
<=4										1				
8		1												
16					1									
128											1			

Table Antimicrobial susceptibility testing of Salmonella Mbandaka in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	6	6	6	6	6	6	6	6	6	6	6	6	6	6
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						5								
<=0.03								6						
0.03						1								
<=0.25			6										4	5
<=0.5				6				6						
0.5													2	1
<=1	6						5							
<=2												6		
2							1							
<=4										6				
<=8					6									
8		6												
64											3			
128											3			

Table Antimicrobial susceptibility testing of Salmonella Mbandaka in Meat from bovine animals - carcase

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	6	6	6	6	6	6	6	6	6	6	6	6	6	6
N of resistant isolates	1	0	0	0	0	0	0	0	0	0	0	1	0	0
MIC														
<=0.015						6								
<=0.03									6					
<=0.25			6										4	5
<=0.5				6				4						
0.5													2	1
<=1	4						6							
1								2						
<=2												5		
2	1													
<=4										6				
4		2												
<=8					6									
8		4												
64											5			
>64	1											1		
128											1			

Table Antimicrobial susceptibility testing of Salmonella Meleagridis in Cattle (bovine animals) - calves (under 1 year) - for slaughter

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1										1	1
<=0.5				1				1						
<=1	1													
<=2												1		
2							1							
<=4										1				
<=8					1									
8		1												
32											1			

Table Antimicrobial susceptibility testing of Salmonella Meleagridis in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1										1	
<=0.5				1				1						
0.5														1
<=1							1							
<=2												1		
2	1													
<=4										1				
<=8					1									
8		1												
16											1			

Table Antimicrobial susceptibility testing of Salmonella Meleagridis in Meat from bovine animals - carcase

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	9	9	9	9	9	9	9	9	9	9	9	9	9	9
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	1	1	0	0
MIC														
<=0.03								8						
0.03						9								
0.064									1					
<=0.25			9										4	8
<=0.5				7				9						
0.5													5	1
<=1	3						9							
1				2										
<=2												8		
2	6													
<=4										9				
<=8					9									
8		9												
16											1			
32											3			
64											3			
>64												1		
128													1	
>1024														1

Table Antimicrobial susceptibility testing of Salmonella Mikawasima in Cattle (bovine animals) - calves (under 1 year) - for slaughter

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03									1					
<=0.25			1											1
<=0.5				1				1						
0.5													1	
<=1	1						1							
<=2												1		
<=4										1				
4		1												
<=8					1									
64											1			

Table Antimicrobial susceptibility testing of Salmonella Mikawasima in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	10	10	10	10	10	10	10	10	10	10	10	10	10	10
N of resistant isolates	6	0	0	0	0	6	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03								10						
0.03						3								
<=0.25			10										4	8
<=0.5				10				9						
0.5						6							6	2
<=1	4						10							
1								1						
<=2												10		
<=4										4				
<=8					10									
8		10								1				
16										5	1			
32											4			
64	1										4			
>64	5													
128											1			

Table Antimicrobial susceptibility testing of Salmonella Mikawasima in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	5	5	5	5	5	5	5	5	5	5	5	5	5	5
N of resistant isolates	3	0	0	0	0	3	0	0	0	1	1	1	0	0
MIC														
<=0.015						1								
<=0.03									4					
0.03						1								
0.064									1					
<=0.25			5										2	2
<=0.5				5				4						
0.5						3							3	1
<=1							5							
1								1						1
<=2												4		
2	1													1
<=4										2				
<=8					5									
8	1	4												
16		1								2	1			
32											1	1		
64											1			
>64	3													
128									1					
256											1			
512											1			

Table Antimicrobial susceptibility testing of Salmonella Mikawasima in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	5	5	5	5	5	5	5	5	5	5	5	5	5	5
N of resistant isolates	3	2	0	0	0	3	0	0	0	0	0	1	0	0
MIC														
<=0.015						1								
<=0.03								5						
0.03						1								
<=0.25			5										2	3
<=0.5				5				5						
0.5						3							3	1
<=1	2						5							
1														1
<=2												4		
<=4										2				
<=8					3									
8		3								2				
16					2					1	2			
32											1			
64											2	1		
>64	3	2												

Table Antimicrobial susceptibility testing of Salmonella Mikawasima in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	5	5	5	5	5	5	5	5	5	5	5	5	5	5
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03								5						
0.03						4								
<=0.25			5										4	3
<=0.5				5				3						
0.5													1	2
<=1	3						4							
1								2						
<=2												5		
2	2						1							
<=4										5				
<=8					5									
8		4												
16		1												
64											4			
128											1			

Table Antimicrobial susceptibility testing of Salmonella Mishmarhaemek in Pigs - fattening pigs

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1											1
<=0.5				1				1						
0.5													1	
<=1	1						1							
<=2												1		
<=4										1				
<=8					1									
8		1												
32											1			

Table Antimicrobial susceptibility testing of Salmonella Moero in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03									1					
<=0.25			1										1	1
<=0.5				1				1						
<=1	1						1							
<=2												1		
<=4										1				
<=8					1									
8		1												
32											1			

Table Antimicrobial susceptibility testing of Salmonella Montevideo in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim	
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2	
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25	
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32	
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
N of resistant isolates	0	1	0	0	0	0	0	0	0	0	1	0	0	0	
MIC															
<=0.03									3						
0.03						1									
0.064						2									
<=0.25			3												
<=0.5				3					3						
0.5												1	2		
<=1	1							3							
1												2	1		
<=2												1			
2	1														
<=4										1					
4	1														
<=8					1										
8			1												
16			1								1				
32				1											
64											2				
>1024											1				

Table Antimicrobial susceptibility testing of Salmonella Montevideo in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1										1	1
<=0.5				1										
<=1	1						1							
1								1						
<=2												1		
<=4										1				
<=8					1									
8		1												
64											1			

Table Antimicrobial susceptibility testing of Salmonella Montevideo in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03								2						
0.03						1								
<=0.25			2											2
<=0.5				2				2						
0.5													2	
<=1	2						2							
<=2												2		
<=4										2				
<=8					2									
8		2												
64											2			

Table Antimicrobial susceptibility testing of Salmonella Montevideo in Meat from bovine animals - carcase

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03									1					
<=0.25			1											1
<=0.5				1										
0.5													1	
<=1	1						1							
1								1						
<=2												1		
<=4										1				
<=8					1									
8		1												
32											1			

Table Antimicrobial susceptibility testing of Salmonella Muenchen in Meat from pig - carcass

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcass swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								2						
0.03						2								
<=0.25			2										2	2
<=0.5				2				2						
<=1	2						2							
<=2												2		
<=4										2				
4		2												
<=8					2									
64											2			

Table Antimicrobial susceptibility testing of Salmonella Muenchen in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	1	0	0	0	0	2	0	1	0	2	0	0	0	0
MIC														
<=0.03									2					
<=0.25			2										2	
<=0.5				2				1						
0.5						2								2
<=1	1						1							
<=2												2		
2							1							
4		1												
<=8					2									
8		1												
32										2				
>32								1						
64											1			
>64	1													
128											1			

Table Antimicrobial susceptibility testing of Salmonella Muenchen in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1										1	
<=0.5				1				1						
0.5														1
<=1	1						1							
<=2												1		
4		1												
<=8					1									
8										1				
128											1			

Table Antimicrobial susceptibility testing of Salmonella Muenchen in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim	
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2	
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25	
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32	
N of tested isolates	13	13	13	13	13	13	13	13	13	13	13	13	13	13	
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MIC															
<=0.03										13					
0.03						13									
<=0.25			13											3	1
<=0.5				13						10					
0.5												10	12		
<=1	7							12							
1								2							
<=2												13			
2	6						1	1							
<=4										9					
4			11												
<=8					13										
8			2											4	
32												1			
64												4			
128												6			
256												2			

Table Antimicrobial susceptibility testing of Salmonella Muenchen in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1											
<=0.5				1				1						
0.5													1	1
<=1							1							
<=2												1		
2	1													
<=4										1				
<=8					1									
8		1												
128											1			

Table Antimicrobial susceptibility testing of Salmonella Muenchen in Meat from bovine animals - carcass

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcass swabs

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Objective sampling

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim	
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2	
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25	
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32	
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MIC															
<=0.03										1					
0.03						1									
<=0.25			1							1	1	1			
<=0.5				1					1						
<=1	1							1							
<=2			1									1			
<=4										1					
<=8					1										
64											1				

Table Antimicrobial susceptibility testing of Salmonella Muenchen in Meat from bovine animals - carcass

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcass swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	1	1	0	0
MIC														
<=0.015						1								
<=0.03								2						
0.03						1								
<=0.25			2										1	1
<=0.5				2				2						
0.5													1	1
<=1	2						2							
<=2		2										1		
<=4									2					
<=8					2									
64											1			
>64												1		
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Muenster in Cattle (bovine animals) - calves (under 1 year) - for slaughter

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03									1					
<=0.25			1											1
<=0.5				1				1						
0.5													1	
<=1	1						1							
<=2												1		
<=4										1				
4		1												
<=8					1									
64											1			

Table Antimicrobial susceptibility testing of Salmonella Muenster in Meat from bovine animals - carcass

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcass swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03									1					
<=0.25			1											1
<=0.5				1				1						
0.5													1	
<=1	1						1							
<=2												1		
<=4										1				
4		1												
<=8					1									
32											1			

Table Antimicrobial susceptibility testing of Salmonella Napoli in Meat from bovine animals - carcass

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcass swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1										1	1
<=0.5				1				1						
<=1	1						1							
<=2												1		
<=4										1				
4		1												
<=8					1									
64											1			

Table Antimicrobial susceptibility testing of Salmonella Ndolo in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03									1					
<=0.25			1											1
<=0.5				1				1						
0.5													1	
<=1	1						1							
<=2												1		
<=4										1				
<=8					1									
8		1												
32											1			

Table Antimicrobial susceptibility testing of Salmonella Newport in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						2								
<=0.03								2						
<=0.25			2											1
<=0.5				2				2						
0.5													2	1
<=1	2						2							
<=2												2		
<=4										2				
4		1												
<=8					2									
8		1												
64											1			
128											1			

Table Antimicrobial susceptibility testing of Salmonella Newport in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	0	0	0	1	0	0	0	0	0	0	0	0
MIC														
<=0.03									1					
<=0.25			1										1	1
<=0.5				1				1						
0.5						1								
<=1							1							
<=2												1		
<=8					1									
8		1								1				
32											1			
>64	1													

Table Antimicrobial susceptibility testing of Salmonella Newport in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								2						
0.03						2								
<=0.25			2										1	2
<=0.5				2				2						
0.5													1	
<=1	2						1							
<=2												2		
2							1							
<=4										2				
<=8					2									
8		2												
128											2			

Table Antimicrobial susceptibility testing of Salmonella Offa in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
0.03						1								
0.064									1					
<=0.25			1										1	1
<=0.5				1				1						
<=1	1						1							
<=2												1		
<=4										1				
<=8					1									
8		1												
16											1			

Table Antimicrobial susceptibility testing of Salmonella Offa in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1										1	1
<=0.5				1				1						
<=1	1						1							
<=2												1		
<=4										1				
<=8					1									
8		1												
16											1			

Table Antimicrobial susceptibility testing of Salmonella Ohio in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	1	0	0	0	0	0	1	1	0	1
MIC														
<=0.03								2						
0.03						2								
<=0.25			2										2	
<=0.5				2				1						
0.5														1
<=1	2						2							
1								1						
<=2												1		
<=4										2				
<=8					1									
8		2												
32					1						1			
>32														1
64												1		
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Ohio in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	7	7	7	7	7	7	7	7	7	7	7	7	7	7
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	3	0	0
MIC														
<=0.015						3								
<=0.03								7						
0.03						4								
<=0.25			7										3	7
<=0.5				7				7						
0.5													3	
<=1	7						7							
1													1	
<=2												4		
<=4										7				
<=8					7									
8		7												
32											5			
64											2	2		
>64												1		

Table Antimicrobial susceptibility testing of Salmonella Ohio in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	10	10	10	10	10	10	10	10	10	10	10	10	10	10
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	1	0	0
MIC														
<=0.015						5								
<=0.03								9						
0.03						5								
0.064								1						
<=0.25			10										3	5
<=0.5				10				10						
0.5													7	5
<=1	10						10							
<=2												9		
<=4										10				
4		2												
<=8					10						1			
8		8												
16											1			
32											5			
64											3	1		

Table Antimicrobial susceptibility testing of Salmonella Poeseldorf in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	0	0	0	1	0	1	0	1	1	1	0	0
MIC														
<=0.03									1					
<=0.25			1											1
<=0.5				1										
0.5													1	
<=1							1							
4		1												
<=8					1									
8						1								
16								1						
32	1													
64												1		
>128										1				
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Pomona in Cattle (bovine animals) - calves (under 1 year) - for slaughter

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03									1					
<=0.25			1											1
<=0.5				1				1						
0.5													1	
<=1	1						1							
<=2												1		
<=4										1				
<=8					1									
8		1												
16											1			

Table Antimicrobial susceptibility testing of Salmonella Reading in Meat from pig - carcase

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	1	0	0	1	1	0	1	0	0	1	1	0	1
MIC														
<=0.03									1					
<=0.25			1											
0.25						1								
<=0.5				1										
0.5													1	
<=1							1							
16										1				
32								1						
>32														1
64		1												
>64	1											1		
>128					1									
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Reading in Meat from pig - carcase

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	3	0	0	0	0	0	0	0	0	0	3	3	0	0
MIC														
<=0.03								3						
0.03						3								
<=0.25			3											3
<=0.5				3				3						
0.5													3	
<=1							3							
<=4										2				
4		2												
<=8					3									
8		1								1				
>64	3											3		
>1024											3			

Table Antimicrobial susceptibility testing of Salmonella Reading in Pigs - fattening pigs

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	0	0	1	0	0	0	0	0	1	1	0	1
MIC														
<=0.015						1								
<=0.03									1					
<=0.25			1										1	
<=0.5				1				1						
<=1							1							
<=4										1				
16		1												
>32														1
64					1									
>64	1											1		
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Redba in Meat from bovine animals - carcass

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcass swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03									1					
0.03						1								
0.064									1					
<=0.25			2										2	1
<=0.5				2				1						
0.5														1
<=1	2						2							
1								1						
<=2												2		
<=4										2				
<=8					2									
8		2												
32											2			

Table Antimicrobial susceptibility testing of Salmonella Rissen in Meat from pig - carcass

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcass swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON pnl2

Analytical Method:

Country of Origin: Spain

AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	Imipenem	Meropenem	Temocillin
Cefotaxime synergy test	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present
Ceftazidime synergy test	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present
ECOFF	0.12	0.5	0.5	8	2	2	0.06	1	0.125	32
Lowest limit	0.064	0.25	0.064	0.5	0.25	0.12	0.015	0.12	0.03	0.5
Highest limit	32	64	64	64	128	128	2	16	16	128
N of tested isolates	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	1	0	0	1	0	0	0	0	0
MIC										
<=0.015							1			
<=0.03									1	
0.25			1					1		
0.5						1				
4	1			1	1					
8										1
32		1								

Table Antimicrobial susceptibility testing of Salmonella Rissen in Meat from pig - carcass

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcass swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	32	32	32	32	32	32	32	32	32	32	32	32	32	32
N of resistant isolates	17	4	1	1	12	16	0	7	0	9	17	30	1	17
MIC														
<=0.015						3								
<=0.03									29					
0.03						12								
0.064						1			3					
<=0.25			31										2	7
0.25						6								
<=0.5				28				22						
0.5						8							23	8
<=1	10						32							
1				3		1		3					6	
<=2		2										1		
2	5					1							1	
<=4										16				
4												1		
>4			1											
<=8					18									
8		22		1						2				
16		4			2					5	3			
32		2								1	2			
>32								7						17
64		2			2						5	1		
>64	17											29		
128											4			
>128					10					8				
256											1			
1024											1			
>1024											16			

Table Antimicrobial susceptibility testing of Salmonella Rissen in Cattle (bovine animals) - calves (under 1 year) - for slaughter

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	1	0	0	0	0	0	0	0	0	0	2	2	0	1
MIC														
<=0.03								2						
0.03						2								
<=0.25			2											
<=0.5								2						
0.5														1
<=1	1						2							
1				2									2	
<=4					2					2				
<=8														
8		2												
>32														1
>64	1											2		
>1024											2			

Table Antimicrobial susceptibility testing of Salmonella Rissen in Pigs - fattening pigs

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON pnl2

Analytical Method:

Country of Origin: Spain

AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	Imipenem	Meropenem	Temocillin
Cefotaxime synergy test	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent
Ceftazidime synergy test	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent
ECOFF	0.12	0.5	0.5	8	2	2	0.06	1	0.125	32
Lowest limit	0.064	0.25	0.064	0.5	0.25	0.12	0.015	0.12	0.03	0.5
Highest limit	32	64	64	64	128	128	2	16	16	128
N of tested isolates	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	1	0	0	1	0	0	0	0	0
MIC										
<=0.015							1			
<=0.03									1	
0.12			1							
0.25								1		
0.5						1				
2	1									
4				1						
8										1
16		1								
128					1					

Table Antimicrobial susceptibility testing of Salmonella Rissen in Pigs - fattening pigs

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	43	43	43	43	43	43	43	43	43	43	43	43	43	43
N of resistant isolates	32	7	1	1	12	15	0	10	0	11	31	34	1	31
MIC														
<=0.015						20								
<=0.03									42					
0.03						8								
0.064									1					
<=0.25			42										19	11
0.25						6								
<=0.5				40				30						
0.5						8							16	
<=1	9						42							
1				2		1		3					7	1
<=2												9		
2	2												1	
<=4							1							
4								1						
>4			1											
<=8					31									
8		24								1				
>8				1										
16		12								4				
32		1						1			2			
>32								8						31
64		3			3						3	2		
>64	32	3										32		
128					1						7			
>128					8					11				
>1024											31			

Table Antimicrobial susceptibility testing of Salmonella Rissen in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	1	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1											
<=0.5				1				1						
0.5														1
<=1	1						1							
1													1	
<=4										1				
<=8					1									
8		1												
64											1	1		

Table Antimicrobial susceptibility testing of Salmonella Rissen in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	0	0	1	1	0	1	0	1	1	1	0	1
MIC														
<=0.03								1						
<=0.25			1											
0.25						1								
<=0.5				1										
0.5													1	
<=1							1							
16		1												
>32								1						
>64	1											1		
>128					1					1				
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Rissen in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03									1					
<=0.25			1											
<=0.5				1				1						
0.5													1	1
<=1	1						1							
<=2												1		
<=4										1				
<=8					1									
8		1												
64											1			

Table Antimicrobial susceptibility testing of Salmonella Rissen in Meat from bovine animals - carcass

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcass swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	3	0	0	0	1	0	0	0	0	0	3	3	0	3
MIC														
<=0.015						3								
<=0.03									3					
<=0.25			3											
<=0.5				3				3						
0.5													1	
<=1							3							2
1														
<=4										3				
<=8					2									
8		1												
16		2												
>32														3
>64	3											3		
128					1									
>1024											3			

Table Antimicrobial susceptibility testing of Salmonella Romanby in Meat from bovine animals - carcass

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcass swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1										1	1
<=0.5				1										
<=1	1						1							
1								1						
<=2												1		
<=4										1				
4		1												
<=8					1									
32											1			

Table Antimicrobial susceptibility testing of Salmonella Sekondi in Meat from bovine animals - carcase

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03								2						
0.03						1								
<=0.25			2										2	2
<=0.5				2				2						
<=1	1						2							
<=2												2		
2	1													
<=4										2				
4		1												
<=8					2									
8		1												
32											2			

Table Antimicrobial susceptibility testing of Salmonella Senftenberg in Pigs - fattening pigs

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	1	0	0	0	0	0	0	0	0
MIC														
<=0.03									1					
<=0.25			1										1	1
0.25						1								
<=0.5				1				1						
<=1	1						1							
<=2												1		
4		1												
<=8					1									
16										1				
128											1			

Table Antimicrobial susceptibility testing of Salmonella Senftenberg in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	6	6	6	6	6	6	6	6	6	6	6	6	6	6
N of resistant isolates	0	0	0	0	0	1	0	2	0	1	1	0	0	0
MIC														
<=0.015						2								
<=0.03								6						
0.03						3								
<=0.25			6										4	
0.25						1								
<=0.5				6				4						
0.5													2	5
<=1	6						6							
1														1
<=2												6		
<=4										5				
4		4												
<=8					6									
8		2												
16											1			
32											2			
>32								2						
64											2			
>128										1				
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Senftenberg in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	4	4	4	4	4	4	4	4	4	4	4	4	4	4
N of resistant isolates	0	0	0	0	0	4	0	2	0	0	3	0	0	0
MIC														
<=0.03									4					
<=0.25			3										3	2
0.25						3								
<=0.5				4				2						
0.5			1			1							1	1
<=1	4						4							
1														1
<=2												4		
4		2												
<=8					4									
8		2												
16										4				
32											1			
>32								2						
>1024											3			

Table Antimicrobial susceptibility testing of Salmonella Senftenberg in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	10	10	10	10	10	10	10	10	10	10	10	10	10	10
N of resistant isolates	1	0	0	0	0	7	0	0	0	1	2	1	0	1
MIC														
<=0.03														
0.03														
<=0.25														
0.25														
<=0.5														
0.5														
<=1														
1														
<=2														
2														
<=4														
4														
<=8														
8														
16														
32														
>32														
64														
>64														
128														
256														
>1024														

Table Antimicrobial susceptibility testing of Salmonella Senftenberg in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	1	0	0	0	0	1	0	0	0
MIC														
<=0.03									1					
<=0.25			1											1
0.25						1								
<=0.5				1				1						
0.5													1	
<=1	1						1							
<=2												1		
<=8					1									
8		1												
16										1				
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Stanleyville in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
0.03						1								
0.064									1					
<=0.25			1											
<=0.5				1				1						
0.5													1	1
<=1							1							
<=2												1		
2	1													
<=4										1				
<=8					1									
8		1												
32											1			

Table Antimicrobial susceptibility testing of Salmonella Stanleyville in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
0.03						1								
0.064									1					
<=0.25			1										1	1
<=0.5				1				1						
<=1	1						1							
<=2												1		
<=4										1				
<=8					1									
16		1												1

Table Antimicrobial susceptibility testing of Salmonella Szentes in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	1	0	0	0
MIC														
<=0.03									1					
0.03						1								
<=0.25			1										1	1
<=0.5				1				1						
<=1	1						1							
<=2												1		
<=4										1				
<=8					1									
8		1												
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Taksony in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1										1	1
<=0.5				1										
<=1							1							
1								1						
<=2												1		
2	1													
<=4										1				
4		1												
<=8					1									
32											1			

Table Antimicrobial susceptibility testing of Salmonella Tennessee in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
0.064									1					
<=0.25			1											
<=0.5				1				1						
0.5													1	1
<=1	1						1							
<=2												1		
<=4										1				
<=8					1									
16		1												
128											1			

Table Antimicrobial susceptibility testing of Salmonella Tennessee in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	1	0	0	0	0	0	0	0	0
MIC														
<=0.03									1					
<=0.25			1										1	1
0.25						1								
<=0.5				1				1						
<=1	1						1							
<=2												1		
<=8					1									
8		1												
16										1				
32											1			

Table Antimicrobial susceptibility testing of Salmonella Thompson in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	1	0	0	0	1	0	0	0	0
MIC														
<=0.03									1					
<=0.5				1				1						
0.5			1										1	
<=1							1							
1						1								
<=2												1		
2	1													1
16		1			1									
64											1			
>128										1				

Table Antimicrobial susceptibility testing of Salmonella Thompson in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	4	4	4	4	4	4	4	4	4	4	4	4	4	4
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						2								
<=0.03								3						
0.03						2								
0.064									1					
<=0.25			4											3
<=0.5				4				3						
0.5													4	1
<=1	3						3							
1								1						
<=2												4		
2	1						1							
<=4										4				
<=8					4									
8		3												
16		1												
32											1			
64											3			

Table Antimicrobial susceptibility testing of Salmonella Toulon in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1											
<=0.5				1				1						
0.5													1	1
<=1	1						1							
<=2												1		
<=4										1				
<=8					1									
8		1												
128											1			

Table Antimicrobial susceptibility testing of Salmonella Toulon in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Census

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	1	0	0	0	1	1	0	1	0	0	1	1	0	1
MIC														
<=0.015						1								
<=0.03								2						
<=0.25			2										1	
<=0.5				2				1						
0.5						1							1	1
<=1	1						2							
<=2												1		
<=4										1				
4		2												
<=8					1									
16								1		1	1			
32	1													1
64												1		
128					1									
1024											1			

Table Antimicrobial susceptibility testing of Salmonella Tumodi in Meat from bovine animals - carcass

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcass swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	0	0	0	0	0	0	0	0	1	1	0	0
MIC														
<=0.015						1								
<=0.03									1					
<=0.25			1										1	1
<=0.5				1				1						
<=1							1							
<=4										1				
4		1												
<=8					1									
>64	1											1		
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Meat from pig - carcase

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	18	18	18	18	18	18	18	18	18	18	18	18	18	18
N of resistant isolates	18	0	0	0	7	3	0	1	0	3	15	16	0	4
MIC														
<=0.015						1								
<=0.03									18					
0.03						13								
0.064						1								
<=0.25			16										11	12
0.25						1								
<=0.5				18				13						
0.5			2			2							5	2
<=1							18							
1								4					2	
<=2												2		
<=4										12				
4		6						1						
<=8					11									
8		9								3				
16		3												
32												2		
>32														4
64											2	4		
>64	18											10		
128					1						1			
>128					6					3				
>1024											15			

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Cattle (bovine animals) - calves (under 1 year) - for slaughter

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	0	0	1	1	0	0	0	1	1	1	0	0
MIC														
<=0.03								1						
<=0.25			1											1
<=0.5				1				1						
0.5						1							1	
<=1							1							
4		1												
32												1		
>64	1													
>128					1					1				
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Pigs - fattening pigs

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	20	20	20	20	20	20	20	20	20	20	20	20	20	20
N of resistant isolates	15	0	0	0	8	4	0	0	0	4	15	17	0	1
MIC														
<=0.015						5								
<=0.03								20						
0.03						7								
0.064						4								
<=0.25			19										10	16
0.25						3								
<=0.5				20				18						
0.5			1			1							9	3
<=1	3						20							
1								2					1	
<=2												3		
<=4										11				
4	2	8												
<=8					12						1			
8		5								4				
16		7								1				
32												2		
>32														1
64											3	6		
>64	15											9		
128					1						1			
>128					7					4				
>1024											15			

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	2	0	0	0	1	0	0	0	0	0	2	2	0	0
MIC														
<=0.03								2						
0.03						3								
0.064								1						
<=0.25			3										1	2
<=0.5				3				2						
0.5													2	1
<=1	1						2							
1								1						
<=2												1		
2							1							
<=4										2				
4		1												
<=8					2									
8		2								1				
64											1	1		
>64	2											1		
128					1									
>1024											2			

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	1	0	0	0	1	0	0	1	0	0	1	1	0	1
MIC														
<=0.03								1						
0.03						3								
0.064								2						
<=0.25			3										2	1
<=0.5				3				2						
0.5													1	1
<=1	2						2							
<=2												2		
2							1							
<=4										3				
4		2												
<=8					2						1			
8		1												
>32								1						1
>64	1											1		
128											1			
>128					1									
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	4	4	4	4	4	4	4	4	4	4	4	4	4	4
N of resistant isolates	4	0	0	0	2	0	0	0	0	0	4	4	0	1
MIC														
<=0.015						1								
<=0.03								4						
0.03						3								
<=0.25			4										2	3
<=0.5				4				4						
0.5													2	
<=1							4							
<=4										3				
<=8					2									
8		4								1				
>32														1
>64	4											4		
128					1									
>128					1									
>1024											4			

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
0.03						2								
0.064									2					
<=0.25			2										1	1
<=0.5				2				2						
0.5													1	1
<=1	1						1							
<=2												2		
2	1						1							
<=4										2				
<=8					2									
8		2												
32											1			
128											1			

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	9	9	9	9	9	9	9	9	9	9	9	9	9	9
N of resistant isolates	0	0	0	0	0	0	1	0	0	0	1	0	0	0
MIC														
<=0.015						4								
<=0.03								6						
0.03						5								
0.064								3						
<=0.25			9										6	6
<=0.5				9				8						
0.5													3	3
<=1	5						6							
1								1						
<=2												9		
2	4						2							
<=4										9				
4		3					1							
<=8					9									
8		6												
16											1			
64											5			
128											2			
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Typhimurium, monophasic in Meat from pig - carcase

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	97	97	97	97	97	97	97	97	97	97	97	97	97	97
N of resistant isolates	91	1	0	0	8	4	2	3	0	3	85	87	0	4
MIC														
<=0.015						18								
<=0.03									88					
0.03						63								
0.064						12			9					
<=0.25			93										60	87
0.25						1								
<=0.5				96				77						
0.5			4			2							34	5
<=1	5						93							
1				1		1		16					3	1
<=2		2										10		
2	1						2	1						
<=4										78				
4		45					2							
<=8					87									
8		36								12				
16		13			2					4	2			
32					1			1		1	7			
>32								2						4
64		1								1	2			
>64	91											87		
128					2						1			
>128					5					1				
1024											1			
>1024											84			

Table Antimicrobial susceptibility testing of Salmonella Typhimurium, monophasic in Cattle (bovine animals) - calves (under 1 year) - for slaughter

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	0	0	0	0	0	0	0	0	1	1	0	0
MIC														
<=0.015						1								
<=0.03									1					
<=0.25			1										1	1
<=0.5				1				1						
<=1							1							
<=4										1				
4		1												
<=8					1									
>64	1											1		
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Typhimurium, monophasic in Pigs - fattening pigs

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON pnl2

Analytical Method:

Country of Origin: Spain

AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	Imipenem	Meropenem	Temocillin
Cefotaxime synergy test	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent	Negative/Absent
Ceftazidime synergy test	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present	Positive/Present
ECOFF	0.12	0.5	0.5	8	2	2	0.06	1	0.125	32
Lowest limit	0.064	0.25	0.064	0.5	0.25	0.12	0.015	0.12	0.03	0.5
Highest limit	32	64	64	64	128	128	2	16	16	128
N of tested isolates	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	1	0	0	0	0	0	0	0	0
MIC										
<=0.015							1			
<=0.03									1	
<=0.064			1							
0.25						1		1		
1					1					
4	1			1						1
32		1								

Table Antimicrobial susceptibility testing of Salmonella Typhimurium, monophasic in Pigs - fattening pigs

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	56	56	56	56	56	56	56	56	56	56	56	56	56	56
N of resistant isolates	53	2	1	0	5	6	1	4	0	3	50	48	0	7
MIC														
<=0.015						20								
<=0.03								53						
0.03						24								
0.064						6		3						
0.12						2								
<=0.25			54										37	46
0.25						2								
<=0.5				54				44						
0.5			1			1							14	3
<=1	3						53							
1				2		1		7					5	
<=2		1										5		
2							2	1						
<=4										44				
4		27					1	1						
>4			1											
<=8					49									
8		22								6		3		
16		4			2					3	1			
32		2						1		1	2			
>32								2						7
64					1						1			
>64	53											48		
128					1						2			
>128					3					2				
>1024											50			

Table Antimicrobial susceptibility testing of Salmonella Typhimurium, monophasic in Pigs - fattening pigs

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - faeces

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	0	0	0	1	0	0	0	1	1	1	0	0
MIC														
<=0.03									1					
<=0.25			1										1	1
0.25						1								
<=0.5				1				1						
<=1							1							
4		1												
<=8					1									
>64	1											1		
>128										1				
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Typhimurium, monophasic in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	3	0	0	0	0	0	0	0	0	0	2	3	0	0
MIC														
<=0.015						2								
<=0.03									3					
0.03						1								
<=0.25			3										1	3
<=0.5				3				3						
0.5													2	
<=1							3							
<=4										3				
4		1												
<=8					3									
8		2												
32											1			
>64	3											3		
>1024											2			

Table Antimicrobial susceptibility testing of Salmonella Typhimurium, monophasic in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	0	0	0	0	0	0	0	0	0	1	0	0
MIC														
<=0.015						1								
<=0.03									1					
<=0.25			1											1
<=0.5				1				1						
0.5													1	
<=1							1							
<=4										1				
<=8					1									
8		1												
64											1			
>64	1											1		

Table Antimicrobial susceptibility testing of Salmonella Typhimurium, monophasic in Turkeys - fattening flocks - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	2	0	0	0	0	0	0	0	0	0	2	2	0	0
MIC														
<=0.03								2						
0.03						2								
<=0.25			2										1	2
<=0.5				2				2						
0.5													1	
<=1							2							
<=4										1				
<=8					2									
8		2								1				
64												1		
>64	2											1		
>1024											2			

Table Antimicrobial susceptibility testing of Salmonella Typhimurium, monophasic in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	4	4	4	4	4	4	4	4	4	4	4	4	4	4
N of resistant isolates	4	0	0	0	1	1	0	1	0	1	4	4	0	1
MIC														
<=0.03														
0.03														
<=0.25														
<=0.5														
0.5														
<=1														
<=4														
4														
<=8														
8														
32														
>32														
64														
>64														
128														
1024														
>1024														

Table Antimicrobial susceptibility testing of Salmonella Typhimurium, monophasic in Meat from bovine animals - carcass

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcass swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	2	0	0	0	0	0	0	1	0	0	2	2	0	1
MIC														
<=0.015						1								
<=0.03									1					
0.03						1								
0.064									1					
<=0.25			2										1	1
<=0.5				2				1						
0.5													1	
<=1							2							
<=4										2				
4		2												
<=8					2									
>32								1						1
>64	2											2		
>1024											2			

Table Antimicrobial susceptibility testing of Salmonella Uganda in Cattle (bovine animals) - calves (under 1 year) - for slaughter

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03									1					
<=0.25			1										1	1
<=0.5				1				1						
<=1	1						1							
<=2												1		
<=4										1				
4		1												
<=8					1									
64											1			

Table Antimicrobial susceptibility testing of Salmonella Uganda in Pigs - fattening pigs

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	0	0	1	1	0	0	0	0	1	1	0	1
MIC														
<=0.03									1					
<=0.25			1										1	
0.25						1								
<=0.5				1				1						
<=1							1							
4		1												
8										1				
>32														1
>64	1											1		
128					1									
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Uganda in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	1	0	0	0	0
MIC														
<=0.03									1					
0.03						1								
<=0.25			1											
<=0.5				1				1						
0.5													1	1
<=1	1						1							
<=2												1		
<=8					1									
8		1												
64											1			
128										1				

Table Antimicrobial susceptibility testing of Salmonella Umbilo in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1											
<=0.5				1										
0.5													1	1
<=1	1						1							
1								1						
<=2												1		
<=4										1				
<=8					1									
8		1												
64											1			

Table Antimicrobial susceptibility testing of Salmonella Virchow in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Industry sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	0	0	0	0	0	3	0	3	0	3	3	0	0	0
MIC														
<=0.03								3						
<=0.25			3										3	3
0.25						3								
<=0.5				3										
<=1	3						3							
<=2												3		
<=8					3									
8		3												
16								1						
32								2						
>128										3				
>1024											3			

Table Antimicrobial susceptibility testing of Salmonella Virchow in Gallus gallus (fowl) - broilers - before slaughter

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim	
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2	
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25	
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32	
N of tested isolates	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
N of resistant isolates	1	0	0	0	0	9	0	5	0	9	5	0	0	1	
MIC															
<=0.03									10						
0.03						1									
<=0.25			10									8	7		
0.25						6									
<=0.5				10					5						
0.5						2							2	2	
<=1	9								9						
1						1									
<=2												10			
2							1								
<=4										1					
<=8					8										
8			9												
16			1			2					4	1			
32								1							3
>32														1	
64												1			
>64	1														
>128										9					
>1024											5				

Table Antimicrobial susceptibility testing of Salmonella Virchow in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	1	0	0	0	1	0	0	0	0
MIC														
<=0.03									1					
<=0.25			1										1	
<=0.5				1				1						
0.5														1
<=1	1						1							
1						1								
<=2												1		
<=8					1									
8		1												
32											1			
>128										1				

Table Antimicrobial susceptibility testing of Salmonella Wien in Meat from pig - carcase

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	3	0	0	0	3	0	0	0	0	0	3	3	0	1
MIC														
<=0.03									2					
0.03						2								
0.064						1			1					
<=0.25			3										2	
<=0.5				3				1						
0.5													1	
<=1							2							
1								2						
2							1							2
4		3												
8										1				
16										2				
>32														1
>64	3											3		
128					1									
>128					2									
>1024											3			

Table Antimicrobial susceptibility testing of Salmonella Wien in Pigs - fattening pigs

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	3	3	3	3	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	2	0	0	0	3	0	0	0	0	0	3	3	0	2
MIC														
<=0.015						1								
<=0.03									3					
0.064						2								
<=0.25			3										3	1
<=0.5				2				2						
<=1	1						3							
1				1				1						
<=4										2				
4		1												
8		2								1				
32					1									
>32														2
64					2									
>64	2											3		
>1024											3			

Table Antimicrobial susceptibility testing of Salmonella Wilhelmsburg in Meat from bovine animals - carcase

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								2						
0.03						2								
<=0.25			2										1	2
<=0.5				2				2						
0.5													1	
<=1	2						2							
<=2		1										2		
<=8					2									
8		1								1				
16										1				
32											2			

Table Antimicrobial susceptibility testing of Salmonella Worthington in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03								1						
<=0.25													1	
<=0.5				1				1						
0.5			1											1
<=1	1						1							
<=2												1		
<=4										1				
4		1												
16					1									
64											1			

Table Antimicrobial susceptibility testing of Salmonella Yoruba in Gallus gallus (fowl) - laying hens - adult

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Control and eradication programmes
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Cefazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	256	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03								1						
0.03						1								
<=0.25			1											
<=0.5				1				1						
0.5													1	1
<=1	1						1							
<=2												1		
<=8					1									
8		1								1				
64											1			

ANTIMICROBIAL RESISTANCE TABLES FOR INDICATOR ESCHERICHIA COLI

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from bovine animals - fresh

Sampling Stage: Retail Sampling Type: food sample - meat Sampling Context: Monitoring - EFSA specifications
 Sampler: Official sampling Sampling Strategy: Objective sampling Programme Code: ESBL MON pnI2
 Analytical Method:
 Country of Origin: Spain

AM substance	Cefepime		Cefotaxim		Cefotaxime + Clavulanic acid		Cefoxitin		Ceftazidim		Ceftazidime + Clavulanic acid		Ertapenem		Imipenem		Meropenem		Temocillin	
	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent
	synergy test		synergy test		synergy test		synergy test		synergy test		synergy test		synergy test		synergy test		synergy test		synergy test	
ECOFF	0.12	0.12	0.25	0.25	0.25	0.25	8	8	0.5	0.5	0.5	0.5	0.06	0.06	0.5	0.5	0.125	0.125	32	32
Lowest limit	0.064	0.064	0.25	0.25	0.064	0.064	0.5	0.5	0.25	0.25	0.12	0.12	0.015	0.015	0.12	0.12	0.03	0.03	0.5	0.5
Highest limit	32	32	64	64	64	64	64	64	128	128	128	128	2	2	16	16	16	16	128	128
N of tested isolates	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
N of resistant isolates	17	17	21	21	7	7	9	9	20	20	7	7	0	0	0	0	0	0	0	0
MIC																				
<=0.015																				
<=0.03																				
0.03																				
<=0.064																				
0.064																				
<=0.12																				
0.12																				
0.25																				
0.5																				
1																				
2																				
4																				
8																				
16																				
32																				
64																				
>64																				
128																				

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from bovine animals - fresh

Sampling Stage: Retail
 Sampling Type: food sample - meat
 Sampling Context: Monitoring - EFSA specifications
 Sampler: Official sampling
 Sampling Strategy: Objective sampling
 Programme Code: ESBL MON
 Analytical Method:
 Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Fluocycline	Trimethoprim
ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	21	21	21	21	21	21	21	21	21	21	21	21	21	21
N of resistant isolates	21	2	21	20	8	14	0	1	0	9	12	12	0	7
<=0.015						2								
<=0.03									21					
0.03						5								
<=0.25													19	6
0.25						3								
<=0.5				1				7						
0.5						4							2	7
<=1							19							
1				1				10						1
<=2		1										6		
2			4	3		1	2	3						
<=4										7				
4		4	3	2								3		
>4			14											
<=8					12						1			
8		13		6		1				4				
>8				8		5								
16		1			1					1	7			
32		1			1			1			1			
>32														7
64					2							1		
>64	21	1										11		
128					2									
>128					3					9				
>1024											12			

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Cattle (bovine animals) - calves (under 1 year) - for slaughter

Sampling Stage: Slaughterhouse Sampling Type: animal sample - caecum Sampling Context: Monitoring - EFSA specifications
 Sampler: Official sampling Sampling Strategy: Objective sampling Programme Code: AMR MON pni2
 Analytical Method:
 Country of Origin: Spain

AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	Imipenem	Meropenem	Temocillin
	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent
Cefotaxime synergy test										
Ceftazidime synergy test										
ECOFF	0.12	0.25	0.25	8	0.5	0.5	0.06	0.5	0.125	32
Lowest limit	0.064	0.25	0.064	0.5	0.25	0.12	0.015	0.12	0.03	0.5
Highest limit	32	64	64	64	128	128	2	16	16	128
N of tested isolates	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	2	2	0	1	2	0	0	0	0	0
MIC										
<=0.03								2		
0.03							2			
<=0.064			2							
<=0.12							1	1		
0.25							1	1		
4				1						
8					1					1
16	2			1	1					1
64		1								
>64		1								

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Cattle (bovine animals) - calves (under 1 year) - for slaughter

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications
Programme Code: AMR MON

Sampler: Official sampling

Sampling Strategy: Objective sampling

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Fluocycline	Trimethoprim
ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	167	167	167	167	167	167	167	167	167	167	167	167	167	167
N of resistant isolates	35	1	2	2	28	11	0	9	0	9	66	88	0	29
MIC														
<=0.015						125								
<=0.03									167					
0.03						31								
<=0.25			165										143	81
0.25						6								
<=0.5				165				114						
0.5						1							23	54
<=1	3						166							
1								43					1	3
<=2		1										71		
2		32						1	1					
<=4										155				
4	90	35										8		
>4			2											
<=8					136						49			
8	7	119		1				4		3				
>8				1		4								
16		11			3			2			35	2		
32					4			1			16	6		
>32								2						29
64		1			5						1	40		
>64	35												40	
128					13					2				
>128					6					7				
>1024											66			

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Cattle (bovine animals) - calves (under 1 year) - for slaughter

Sampling Stage: Slaughterhouse Sampling Type: animal sample - caecum Sampling Context: Monitoring - EFSA specifications
 Sampler: Official sampling Sampling Strategy: Census Programme Code: ESBL MON pnI2
 Analytical Method:
 Country of Origin: Spain

AM substance	Cefepime		Ceftazidim		Cefotaxime + Clavulanic acid		Cefoxitin		Ceftazidim		Ceftazidime + Clavulanic acid		Ertapenem		Imipenem		Meropenem		Temocillin		
	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	
Cefotaxime synergy test																					
Ceftazidime synergy test																					
ECOFF	0.12	0.12	0.25	0.25	0.25	0.25	8	8	0.5	0.5	0.5	0.5	0.06	0.06	0.5	0.5	0.125	0.125	32	32	
Lowest limit	0.064	0.064	0.25	0.25	0.064	0.064	0.5	0.5	0.25	0.25	0.12	0.12	0.015	0.015	0.12	0.12	0.03	0.03	0.5	0.5	
Highest limit	32	32	64	64	64	64	64	64	128	128	128	128	2	2	16	16	16	16	128	128	
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
N of resistant isolates	2	2	2	2	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	
MIC																					
<=0.015																					
<=0.03																					
0.03																					
<=0.064																					
<=0.12																					
0.12																					
0.25																					
1																					
2																					
4																					
8																					
16																					
64																					
>64																					

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Cattle (bovine animals) - calves (under 1 year) - for slaughter

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications
Programme Code: ESBL MON

Sampler: Official sampling

Sampling Strategy: Objective sampling

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Fluoroquinolone	Trimethoprim
ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	165	165	165	165	165	165	165	165	165	165	165	165	165	165
N of resistant isolates	165	23	165	160	100	129	4	64	0	100	138	139	0	113
<=0.015						25								
<=0.03									159					
0.03						11								
0.064									6					
0.12						4								
<=0.25												144	20	
0.25						23								
<=0.5				5				73						
0.5			1			10							21	29
<=1							158							
1			1	26				27						2
<=2		3										24		
2			3	26		1	3	1						1
<=4										46				
4		36	3	27		3	4					1		
>4			157											
<=8					61						3			
8		83		43		23		6		14		1		
>8				38		65								
16			20		4			19		5	16			
32			9		2			15		1	6	19		
>=32								24						113
64			7		12					1	2	35		
>=64	165	7										85		
128					57			4						
>=128					29					94				
1024											1			
>=1024											137			

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Cattle (bovine animals) - calves (under 1 year) - for slaughter

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications
Programme Code: ESBL MON

Sampler: Official sampling

Sampling Strategy: Census

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	2	1	2	2	2	2	1	0	0	2	2	2	0	1
MIC														
<=0.03									2					
<=0.25													2	
<=0.5								1						
0.5														1
<=1							1							
1				1				1						
4		1					1							
>4			2											
8				1			1							
>8							1							
32												1		
>32														1
64												1		
>64	2													
128						2								
>128										2				
>1024											2			

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Cattle (bovine animals) - calves (under 1 year) - for slaughter

Sampling Stage: Slaughterhouse Sampling Type: animal sample - caecum Sampling Context: Monitoring - EFSA specifications
 Sampler: Not applicable Sampling Strategy: Objective sampling Programme Code: ESBL MON pn2
 Analytical Method:
 Country of Origin: Spain

AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	Imipenem	Meropenem	Temocillin
	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent
Cefotaxime synergy test										
Ceftazidime synergy test										
ECOFF	0.12	0.25	0.25	8	0.5	0.5	0.06	0.5	0.125	32
Lowest limit	0.064	0.25	0.064	0.5	0.25	0.12	0.015	0.12	0.03	0.5
Highest limit	32	64	64	64	128	128	2	16	16	128
N of tested isolates	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	1	0	0	1	0	0	0	0	0
MIC										
<=0.03							1		1	
0.03										
<=0.12						1		1		
0.12			1							
8	1			1	1					1
>64		1								

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Cattle (bovine animals) - calves (under 1 year) - for slaughter

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring - EFSA specifications
Programme Code: ESBL MON

Sampler: Not applicable

Sampling Strategy: Objective sampling

Analytical Method:

Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Fluoroquinolone	Trimethoprim
ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	1	1	1	1	0	0	0	1	1	0	0	1
MIC														
<=0.03									1					
<=0.25													1	
<=0.5								1						
<=1							1							
<=2												1		
4		1												
>4			1											
8				1										
>8						1								
>32														1
64					1									
>64	1													
>128										1				
>1024											1			

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Pigs - fattening pigs

Sampling Stage: Slaughterhouse Sampling Type: animal sample - caecum Sampling Context: Monitoring - EFSA specifications
 Sampler: Official sampling Sampling Strategy: Objective sampling Programme Code: AMR MON pni2
 Analytical Method:
 Country of Origin: Spain

AM substance	Cefepime		Ceftazidim		Cefotaxime + Clavulanic acid		Cefoxitin		Ceftazidim		Ceftazidime + Clavulanic acid		Ertapenem		Imipenem		Meropenem		Temocillin		
	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	
Cefotaxime synergy test																					
Ceftazidime synergy test																					
ECOFF	0.12	0.12	0.25	0.25	0.25	0.25	0.25	8	8	0.5	0.5	0.5	0.5	0.06	0.06	0.5	0.5	0.125	0.125	32	32
Lowest limit	0.064	0.064	0.25	0.25	0.064	0.064	0.5	0.5	0.25	0.25	0.12	0.12	0.015	0.015	0.12	0.12	0.03	0.03	0.5	0.5	
Highest limit	32	32	64	64	64	64	64	64	128	128	128	128	2	2	16	16	16	16	128	128	
N of tested isolates	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
N of resistant isolates	4	4	5	5	1	1	1	1	5	5	1	1	0	0	0	0	0	0	0	0	
MIC																					
<=0.015																					
<=0.03																					
0.03																					
<=0.064																					
<=0.12																					
0.12																					
0.25																					
0.5																					
1																					
2																					
4																					
8																					
16																					
32																					

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Pigs - fattening pigs

Sampling Stage: Slaughterhouse Sampling Type: animal sample - caecum Sampling Context: Monitoring - EFSA specifications
 Sampler: Official sampling Sampling Strategy: Objective sampling Programme Code: AMR MON
 Analytical Method:
 Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Fluoroquinolone	Trimethoprim
ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	170	170	170	170	170	170	170	170	170	170	170	170	170	170
N of resistant isolates	131	3	5	5	60	76	1	8	0	33	108	151	0	103
MIC														
<=0.015						67								
<=0.03									170					
0.03						23								
0.064						4								
0.12						6							150	43
<=0.25			165											
0.25						35								
<=0.5				165				113						
0.5						23							19	22
<=1	2						168							
1			1					40					1	2
<=2		6										14		
2		13		4	1		1	1	9					
<=4										103				
4		22	48				1	2				4		
<=8					105						43			
8		2	99		4		2			23		1		
>8						9								
16			14			5		2		11	14	1		
32						5		2			4	3		2
>32								2						101
64	1	2			15					3	1	38		
>64	130	1										109		
128					16					9				
>128					24					21				
1024											3			
>1024											105			

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Pigs - fattening pigs

Sampling Stage: Slaughterhouse Sampling Type: animal sample - caecum Sampling Context: Monitoring - EFSA specifications
 Sampler: Official sampling Sampling Strategy: Objective sampling Programme Code: ESBL MON pnI2
 Analytical Method:
 Country of Origin: Spain

AM substance	Cefepime						Cefoxitin						Ceftazidime + Clavulanic acid						Ertapenem						Imipenem						Meropenem						Temocillin					
	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent										
Cefotaxime synergy test	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent	Positive/Pres ent	Negative/Absent ent										
Ceftazidime synergy test	0.12	0.12	0.12	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.06	0.06	0.06	0.5	0.5	0.5	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125										
ECOFF	0.12	0.12	0.12	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.06	0.06	0.06	0.5	0.5	0.5	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125										
Lowest limit	0.064	0.064	0.064	0.25	0.25	0.25	0.064	0.064	0.064	0.5	0.5	0.5	0.25	0.25	0.25	0.12	0.12	0.12	0.015	0.015	0.015	0.12	0.12	0.12	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03										
Highest limit	32	32	32	64	64	64	64	64	64	64	64	64	128	128	128	128	128	128	2	2	2	16	16	16	16	16	16	16	16	16	128	128										
N of tested isolates	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257	257										
N of resistant isolates	248	248	248	257	257	257	18	18	18	47	47	47	253	253	253	19	19	19	7	7	7	1	1	1	0	0	0	0	0	0	0	0										
MIC																																										
<=0.015																																										
<=0.03																																										
0.03																																										
<=0.064																																										
0.064																																										
<=0.12																																										
0.12																																										
0.25																																										
<=0.5																																										
0.5																																										
1																																										
2																																										
4																																										
8																																										
16																																										
32																																										
>32																																										
64																																										
>64																																										
128																																										
>128																																										

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Pigs - fattening pigs

Sampling Stage: Slaughterhouse Sampling Type: animal sample - caecum Sampling Context: Monitoring - EFSA specifications
 Sampler: Official sampling Sampling Strategy: Convenient sampling Programme Code: ESBL MON pn12
 Analytical Method:
 Country of Origin: Spain

AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	Imipenem	Meropenem	Temocillin
	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent	Positive/Pres ent
Cefotaxime synergy test										
Ceftazidime synergy test										
ECOFF	0.12	0.25	0.25	8	0.5	0.5	0.06	0.5	0.125	32
Lowest limit	0.064	0.25	0.064	0.5	0.25	0.12	0.015	0.12	0.03	0.5
Highest limit	32	64	64	64	128	128	2	16	16	128
N of tested isolates	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	1	0	0	1	0	0	0	0	0
MIC										
<=0.064			1				1		1	
0.064										
0.25							1			
8				1						1
16					1					
32	1									
>64		1								

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Pigs - fattening pigs

Sampling Stage: Slaughterhouse Sampling Type: animal sample - caecum Sampling Context: Monitoring - EFSA specifications
 Sampler: Official sampling Sampling Strategy: Objective sampling Programme Code: ESBL MON
 Analytical Method:
 Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	257	257	257	257	257	257	257	257	257	257	257	257	257	257
N of resistant isolates	257	35	257	252	121	206	7	56	0	182	191	215	0	186
MIC														
<=0.015	36													
<=0.03	253													
0.03	15													
0.064	4													
0.12	2													
<=0.25	203													
0.25	35													
<=0.5	49													
0.5	5													
<=1	23													
1	249													
<=2	4													
2	10													
<=4	51													
4	3													
<=8	14													
8	249													
>8	61													
<=16	4													
16	36													
<=32	10													
32	51													
<=64	3													
64	13													
>64	56													
<=128	50													
128	45													
<=256	2													
256	7													
>256	238													
<=512	147													
512	50													
<=1024	66													
1024	88													
>1024	21													
<=2048	8													
2048	5													
<=4096	14													
4096	26													
>4096	4													
<=8192	21													
8192	8													
>8192	31													
<=16384	12													
16384	13													
>16384	8													
<=32768	2													
32768	7													
>32768	30													
<=65536	2													
65536	7													
>65536	1													
<=131072	255													
131072	16													
>131072	31													
<=262144	53													
262144	21													
>262144	154													
<=524288	1													
524288	1													
>524288	190													

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Pigs - fattening pigs

Sampling Stage: Slaughterhouse Sampling Type: animal sample - caecum Sampling Context: Monitoring - EFSA specifications
 Sampler: Official sampling Sampling Strategy: Convenient sampling Programme Code: ESBL MON
 Analytical Method:
 Country of Origin: Spain

AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	1	1	1	1	1	0	0	1	1	1	0	1
MIC														
0.064									1					
<=0.25													1	
<=0.5								1						
4							1							
>4			1											
8														
>8				1		1								
>32														1
>64	1											1		
>128					1					1				
>1024											1			

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from pig - fresh

Sampling Stage: Retail
 Sampling Type: food sample - meat
 Sampling Context: Monitoring - EFSA specifications
 Sampler: Official sampling
 Sampling Strategy: Objective sampling
 Programme Code: ESBL MON pnI2
 Analytical Method:
 Country of Origin: Spain

AM substance	Cefepime		Cefotaxim		Cefotaxime + Clavulanic acid		Cefoxitin		Ceftazidim		Ceftazidime + Clavulanic acid		Ertapenem		Imipenem		Meropenem		Temocillin		
	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	Positive/Pres ent	Negative/Abs ent	
Cefotaxime synergy test																					
Ceftazidime synergy test																					
ECOFF	0.12	0.12	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.06	0.06	0.5	0.5	0.125	0.125	0.32	0.32
Lowest limit	0.064	0.064	0.25	0.25	0.064	0.064	0.5	0.5	0.25	0.25	0.12	0.12	0.015	0.015	0.12	0.12	0.03	0.03	0.5	0.5	
Highest limit	32	32	64	64	64	64	64	64	128	128	128	128	2	2	16	16	16	16	128	128	
N of tested isolates	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	
N of resistant isolates	35	35	36	36	7	7	12	12	32	32	7	7	1	1	0	0	0	0	0	0	
MIC																					
<=0.015																					
<=0.03																					
0.03																					
<=0.064																					
0.064																					
<=0.12																					
0.12																					
<=0.25																					
0.25																					
<=0.5																					
0.5																					
1																					
2																					
4																					
8																					
16																					
32																					
>32																					
64																					
>64																					

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from pig - fresh

Sampling Stage: Retail
 Sampler: Official sampling
 Analytical Method:
 Country of Origin: Spain

Sampling Type: food sample - meat
 Sampling Strategy: Objective sampling

Sampling Context: Monitoring - EFSA specifications
 Programme Code: ESBL MON

AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
N of tested isolates	36	36	36	36	36	36	36	36	36	36	36	36	36	36
N of resistant isolates	36	6	36	33	17	20	0	8	0	16	27	27	0	20
<=0.015						11								
<=0.03									36					
0.03						5								
<=0.25												33	6	
0.25						2								
<=0.5				3				20						
0.5						3							2	9
<=1							36							
1				7		1		7					1	1
<=2	1											8		
2			1	5				1						
<=4										17				
4		16	7			1						1		1
>4			28											
<=8					19						1			
8		13		9		5				3				
>8				12		8								
16												7		
32		2			3			1			1			
>32								7						19
64		1			3							9		
>64	36	3										18		
128					8					1				
>128					3					15				
512											1			
1024												1		
>1024													25	

OTHER ANTIMICROBIAL RESISTANCE TABLES

Specific monitoring of ESBL-/AmpC-/carbapenemase-producing bacteria and specific monitoring of carbapenemase-producing bacteria, in the absence of isolate detected

No data returned for this view. This might be because the applied filter excludes all data.

Latest Transmission set

Table Name	Last submitted dataset transmission date
Antimicrobial Resistance	11-Jan-2019
Animal Population	25-Jul-2018
Disease Status	25-Jul-2018
Prevalence	21-Jan-2019

Spain, Text Forms 2017

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2. Animal population

reporting

REGA (National Register for Livestock Holdings) was the source for the total number of holdings and animals in all species. The figures in this report were taken at December 31/2017. MAPAMA, Spanish Ministry of Agriculture and Fish, Environment and Food, through the Sub directorate General for Animal Health, Hygiene and Traceability and the Sub directorate of Means of Livestock Production, is the central competent authority for the monitoring and reporting zoonoses in primary production. Dates the figures relate to and the content of the figures

Number of holdings and animals: 31/12/2017

AECOSAN, through the Sub-directorate General for Co-ordination of Alerts and Official Control

Programmes, is the central competent authority for the monitoring and reporting zoonoses in food.

2. Definitions used for different types of animals, herds, flocks and holdings as well as the production types covered

ISCIII, through the National Centre of Epidemiology, is the central competent authority for human cases and food-borne outbreaks.

Holding' in REGA means 'Whatever place where farming animals are'. They are classified in breeding

and production holdings and special holdings (such as markets, slaughterhouses, quarantine centres, ...). It have been taken into account only breeding and production holdings. The specific definitions adopted by REGA for different types of holdings are those fixed in EU or Spanish

Regulations.

The **National Food Centre (CNA)** of **AECOSAN** the National Reference Laboratories (NRLs) for zoonoses in food.

Bovine animals Calves for slaughter: Bovine animals less than 1 year old for slaughter as calves.

Calves: Domestic animals of the bovine species, of not more than 300 kg live weight and not yet having permanent teeth.

The Autonomous Communities through their animal health services.

MAPAMA has designated a laboratory affiliated to the Complutense University of Madrid (**VISAVET**) to perform sampling, isolation, and other activities in the area of zoonoses.

Heifers: Female bovines more than 1 year old that have not yet calved. Heifers for breeding purposes: Heifers raised for breeding and intended to replace dairy cows. Cows: Female bovines that have calved. Dairy cows: Cows kept exclusively or principally for the production of milk for human consumption and/or dairy produce. Meat production animals: bovine animals, other than calves, kept exclusively for the production of meat and including cows, heifers and bulls

Sheep: Domestic animals of the species *Ovis*.

Ewes and ewe lambs put to the ram: Females of the ovine species which have already lambed at least once as well as those which have been put to the ram for the first time.

Milk ewes:

Ewes which are kept exclusively or principally to produce milk for human consumption and/or for processing into dairy products. This includes cast milk sheep (whether fattened or not between their last lactation and slaughtering).

Other ewes: Ewes other than milk ewes; to be included in meat production animals

Lambs: Male or female sheep under 12 months old

Goats: domestic animals of the species *Capra*.

Pigs: Domestic animals of the species *Sus*.

3. National changes of the numbers of susceptible population and trends

See table

4. Geographical distribution and size distribution of the herds, flocks and holdings^(b)

5. Additional information

(a): National identification and registration system(s), source of reported statistics (Eurostat, others)

(b): Link to website with density maps if available, tables with number of herds and flocks according to geographical area

3. General evaluation*: Mycobacteria spp.

1. History of the disease and/or infection in the country^(a)

Sanitary importance of bovine tuberculosis has been based in the spread of the disease to humans. Human infection has been linked historically to raw milk consumption. At human level the surveillance of the disease is included in National Epidemiological Surveillance Network, created according with Royal Decree 2210/1995, December 25. In Spain, control of milk was carried out at council town's level since 1908, but monitoring and eradication programmes in cattle didn't start systematically until beginning of 90's, focused mainly in dairy cows.

At the moment the programme is being applied to cattle over six weeks of age and to goats living close to cattle, according to Directive 64/432/EEC. Control of milk and control of fresh meat production is carried out by Autonomous Communities according to European legislation in force (hygiene package).

2. Evaluation of status, trends and relevance as a source for humans

Spanish programmes for eradication on bovine tuberculosis in last years show an increase of the disease prevalence in cattle in 2015 and 2016 and a decrease in all the epidemiological indicators in 2017. Raw milk only can be consumed if produced in herds OTF.

3. Any recent specific action in the Member State or suggested for the European Union^(b)

Spanish Programme on Eradication of Bovine Tuberculosis 2017. Milk control and fresh meat control production are developed according to European legislation in force (Hygiene Package).

The control activities in foodstuffs are made according to Regulation (EC) 178/2002. (I.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

4. Additional information

M. caprae has been isolated in 2005-2017 from cattle, goats, wild boards, foxes, wild ruminants. Spanish legislation on Mycobacterium in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents

* For each zoonotic agent

(a): Epidemiological evaluation (trends and sources) over time until recent/current situation for the different relevant matrixes (food, feed, animal). If relevant: the official "disease status" to be specified for the whole country and/or specific regions within the country

(b): If applicable

4. Description of Monitoring/Surveillance/Control programmes system*: Mycobacterium tuberculosis complex in animal - Cattle (bovine animals)

1. Monitoring/Surveillance/Control programmes system^(a)

Monitoring system

Sampling strategy

Sampling strategy is defined in Spanish Programme on Eradication on Bovine Tuberculosis 2017, covering cattle according Directive 64/432/EEC (animals over six weeks of age) and goats living close to cattle. Testing is performed under supervision of competent authorities of Autonomous Communities. At slaughterhouses, samples are taken in suspicious animals and in animals with suspicious injures. Strategic use on gamma-interferon assay has been implemented since 2008 and consequently, an increase in the sensitivity at animal level (intra-herd) has been applied. .Additionally, severe interpretation of skin test (SIT) has been applied in high prevalence areas, with 2 skin tests in OTF herds and at least 3 skin tests in non-OTF herds during 2017. These measures have increased the sensitivity at herd level as well.

Frequency of the sampling

Once a year at least, more frequent testing in not officially free herds (at least 3 tests) and in OTF herds in high prevalence areas (2 at least).Pre-movement test in movements except if animals go to a closed fattening unit that send animals to slaughterhouse.

Type of specimen taken

skin test, blood, organs/tissues

Methods of sampling (description of sampling techniques)

Intradermal skin test (SIT) is used in animals over 6 weeks of age. In infected herds, gamma interferon assay is used in parallel as supplementary test in animals over six months of age. In low prevalence areas, SICCT can be used if specificity problems are detected. At slaughterhouses organs/tissues are taken from suspicious reactors animals (mainly from herds with OTF status suspended) and from injures found in routine post-mortem examination of animals slaughtered, according to the European legislation in force (Hygiene Package).

Case definition

Skin test: positive and inconclusive results. In OTF herds also MTC isolation.

Diagnostic/analytical methods used

SIT, SICCT, agent isolation, PCR and gamma-interferon assay following criteria laying down by Annex B of Directive 64/432/EEC., Spoligotyping, VTNR for molecular typing.

2. Measures in place^(b)

Vaccination policy

Forbidden

Other preventive measures than vaccination in place

Pre-movement test; Cleaning and disinfecting of positive holdings; Control of common grazing areas; Investigation of wildlife in some regions; Epidemiological investigations in breakdowns; inspections and official control of the field veterinarians.

Control program/mechanisms

The control program/strategies in place

Spain has an Eradication Programme approved for co-financing. Legal basis of the programme measures is Council Directive 64/432/EEC, but with increased measures like:- more frequent tests in high prevalence areas- strategic use of gamma-interferon assay- pre-movement tests- severe interpretation of SIT

https://ec.europa.eu/food/sites/food/files/safety/docs/cff_animal_vet-progs_2017-8_dec-2016-2444-ec_bovine-tuberculosis_esp.pdf

Recent actions taken to control the zoonoses

More frequent testing and pre-movement test. Compulsory slaughtering of all animals in herds with high incidence or repeating positive Results. Severe interpretation of tuberculin test. Research into other test methodologies. Reinforce over herd registers at farm Level. Epidemiological studies. Surveillance of wildlife. Inspections in restricted herds. Inspections of field veterinarians. Training courses for field Veterinarians.

Suggestions to the European Union for the actions to be taken

Research into other test methodologies and improve the existing ones.

Measures in case of the positive findings or single cases

Confirmation by isolation/PCR of MTC. If confirmed, withdrawal of OTF status by holding. Epidemiological studies, spoligotyping of the strain and inclusion in the National Database micoDB.es.

3. Notification system in place to the national competent authority^(c)

Since 1952, at least (Epizootic Diseases Law).At the moment by Animal Health Law 8/2003

4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Results of the investigation

see table

National evaluation of the recent situation, the trends and sources of infection

Data obtained by applying of Spanish Tuberculosis Eradication and Monitoring Programme 2017 show a moderate decrease of the disease at herd level and at animal level in the country . In conclusion, milk consumption cannot be considered as a current source of infection in Spain, even more if it is assumed that cow milk is thermally treated. Explanation of the higher prevalence in the years 2015 and 2016 can be found in special management of this kind of herds: common grazing, ranching systems, fighting bulls, transhumance... Wildlife and goats can also be a source of infection in these holdings. The increase in the diagnostic sensitivity in 2008-2017 has important influence in the herd prevalence and incidence that are higher than other programmes that use less sensitivity diagnostic strategies.

5. Additional information

Relevance of the findings in animals, feeding stuffs and foodstuffs to human cases (as a source of infection)

Only few human cases had been identified as tuberculosis by *Mycobacterium bovis* in the last years. The risk of transmission from animals to humans is very low.

* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

5. Description of Monitoring/Surveillance/Control programmes system*: *Mycobacterium* spp. in foodstuff

1. Monitoring/Surveillance/Control programmes system^(a)

Regional health authorities have performed official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety

Additionally, in Spain, the control of *Mycobacterium* in food is carried out according to program 4 of the Multiannual National Control Plan (MANCP), related to daily control in slaughterhouses, control of game handling establishments and fighting cattle cutting plants.

For more information on this plan, please refer to the following link:

http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm

2. Measures in place^(b)

The measures are carried out according to program 4 of the Multiannual National Control Plan (MANCP), related to daily control in slaughterhouses, control of game handling establishments and fighting cattle cutting plants.

For more information on this plan, please refer to the following link:

http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm

3. Notification system in place to the national competent authority^(c)

Yes. Please refer to Prevalence Tables

4. Results of investigations and national evaluation of the situation, the trends^(d) and sources of infection^(e)

<p>Results of investigations are published in the Annual Report of Program 4 of the Multiannual National Control Plan (MANCP) related to daily control in slaughterhouses, control of game handling establishments and fighting cattle cutting plants. Available at: http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/detalle/revision_sistema_control.htm</p>
<p>5. Additional information</p> <p>The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.</p> <p>Spanish legislation on Mycobacterium in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents.</p>
<p>* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent</p> <p>(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.</p> <p>(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.</p> <p>(c): Mandatory: Yes/No.</p> <p>(d): Minimum five years.</p> <p>(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).</p>

<p>6. General evaluation*: Brucella spp.</p>
<p>1. History of the disease and/or infection in the country^(a)</p> <p>Sanitary importance of brucellosis has been based in the spread of the disease to humans. At the moment brucellosis is still the main direct transmission zoonoses in the world, mainly linked to <i>Brucella melitensis</i>. The more frequent source of infection for human beings has been contacts with goats and sheep, but raw milk products consumption have had historical importance as well. Nowadays brucellosis is considered as a professional disease. In Spain, milk control was carried out at council town's level since 1908. At the moment milk control and control of fresh meat production is carried out by Autonomous Communities according to the European legislation in force (Hygiene Package). Monitoring and Eradication Programmes in cattle, goats and sheep did not start systematically until beginning of 90's. Before, human cases had the highest incidence in last thirty years, with around 8500 cases in middle 80s. The systematic application of national programmes has resulted in a continuous decrease of the Disease.</p>
<p>2. Evaluation of status, trends and relevance as a source for humans</p> <p>Spanish Programmes for eradication and monitoring of Brucellosis in cattle, goats and sheep show the continuous decreasing trend of the disease prevalence in domestic animals, close to eradication. Raw milk only can be consumed if produced in herds free or officially free.</p>
<p>3. Any recent specific action in the Member State or suggested for the European Union^(b)</p>

Spanish Programme on eradication of bovine brucellosis 2017. Spanish Programme on eradication of brucellosis in goats and sheep 2017. Milk control and control of the production of fresh meat in accordance to European legislation in force (Hygiene Package). Furthermore, the Spanish Royal Decree 640/2006, of May 26, 2006, laying down specific implementation conditions of the Community rules concerning hygiene subjects, as well as foodstuff's production and commercialisation, establishes specific conditions regarding to milk and dairy milk.

The control activities in foodstuffs are made according to Regulation (EC) 178/2002. (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

4. Additional information

Spanish legislation on Brucellosis in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents.

*** For each zoonotic agent**

(a): Epidemiological evaluation (trends and sources) over time until recent/current situation for the different relevant matrixes (food, feed, animal). If relevant: the official "disease status" to be specified for the whole country and/or specific regions within the country

(b): If applicable

7. Description of Monitoring/Surveillance/Control programmes system*: B.abortus in animal - Cattle (bovine animals)

1. Monitoring/Surveillance/Control programmes system^(a)

SAMPLING SCHEME

Sampling strategy

Sampling strategy is defined in Spanish Programme for Eradication of Bovine Brucellosis, covering cattle according to Directive 64/432/EEC (animals over 12 months of age). Test are carried out by competent authorities of Autonomous Communities. At slaughterhouses samples are taken in suspicious animals, mainly in positive animals coming from free or officially free herds (suspended status) to confirm the disease.

Frequency of the sampling

Twice a year at least. Only regions with low herd prevalence can apply a reduction of the frequency following Annex A.II.2 of Council Directive 64/432/CEE. Pre-movement test.

Type of specimen taken

serum, blood, milk, organs/tissues, swabs

Methods of sampling (description of sampling techniques)

In animals over one year of age Rose Bengal as screening test or i-ELISA in milk; and Complement Fixation test or i-ELISA in serum as confirmatory test. As complementary test competition ELISA has been used as well. At slaughterhouses swabs, organs and tissues are taken in suspicious animals, mainly from herds with free or officially free status suspended, to isolate Brucella and confirm the infection.

TESTING SCHEME

Case definition

Positive result to Rose Bengal test confirmed by positive result to Complement Fixation test or ELISA. In high prevalence areas, positive result to any official test. In free or officially free herds Brucella abortus isolation as well. Positive result of i-Elisa in milk confirmed by serological methods.

Diagnostic/analytical methods used

Rose Bengal test, agent isolation, serum i-ELISA, milk i-ELISA, c-ELISA and Complement Fixation test, following criteria laying down by Annex B of Directive 64/432/EEC

2. Measures in place^(b)

Vaccination policy

Forbidden.

Other preventive measures than vaccination in place

Pre-movement test. Cleaning and disinfecting of positive holdings. Control of common grazing areas. Investigation of possible wildlife reservoirs in some Regions. Epidemiological investigations in breakdowns. Inspections and official control of field veterinarians. Inspections of restricted

Control program/mechanisms

The control program/strategies in place Spain has an Eradication and Monitoring Programme approved for co-financing. Legal basis of the programme are Directive 64/432/EEC and Royal Decree 2611/1996, at last amended. Increased measures have been implemented: pre-movement test, stamping out in low

prevalence areas, vaccination in high prevalence areas, more frequent testing, inspections and official controls of field veterinarians, inspections of restricted herds

https://ec.europa.eu/food/sites/food/files/safety/docs/cff_animal_vet-progs_2017-8_dec-2016-2444-ec_bovine-brucellosis_esp.pdf

Recent actions taken to control the zoonoses

More frequent testing and pre-movement test. Compulsory slaughter of all animals in herds if infection is confirmed. Research into other test methodologies. Reinforce over herd registers at farm level. Epidemiological studies

Suggestions to the European Union for the actions to be taken

Research into other test methodologies and improve existing ones.

Measures in case of the positive findings or single cases

Confirmation of the infection by complement fixation test and culture, and if herd is free or officially free, status is suspended and if isolation of *Brucella abortus* is confirmed, depopulation.

3. Notification system in place to the national competent authority^(c)

Since 1952, at least (Epizootic Diseases Law) At the moment by Animal Health Law 8/2003

4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Results of the investigation

see table

National evaluation of the recent situation, the trends and sources of infection

Data obtained by the implementation of Spanish Eradication and Monitoring Programme on Bovine Brucellosis show that the target of eradicate the disease by 2020 is achievable. In conclusion, milk consumption can't be considered as a current source of infection in Spain, even more if it is assumed that almost all the cow milk is thermally treated.

5. Additional information

Status as officially free of bovine brucellosis during the reporting year: Free regions

Regions of Asturias, Baleares, Canarias, Castilla la Mancha, Cataluña, La Rioja, Murcia, Navarra and País Vasco and provinces of Burgos, Soria, Valladolid and Zamora.

Relevance of the findings in animals to findings in foodstuffs and to human cases (as a source of infection)

Brucellosis in humans is linked in Spain mainly to *B. melitensis*.

* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent

- (a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
- (b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
- (c): Mandatory: Yes/No.
- (d): Minimum five years.
- (e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

8. Description of Monitoring/Surveillance/Control programmes system*: B. melitensis in animal – Sheep

1. Monitoring/Surveillance/Control programmes system^(a)

Monitoring system

Sampling strategy

Sampling strategy is defined in Spanish Programme on eradication and monitoring of brucellosis in sheep and goats, according to Directive 91/68/EEC:- animals over 6 months of age if not vaccinated- animals over 18 months of age if vaccinated. Tests are carried out by competent authorities of Autonomous Communities. At slaughterhouse samples are taken in suspicious animals, mainly in positive animals coming from free or officially free herds (suspended status)to confirm de disease.

Frequency of the sampling

Once a year at least in herds free or officially free. Twice a year at least in non-qualified herds.

Type of specimen taken

serum, blood, milk, organs/tissues

Methods of sampling (description of sampling techniques)

At herd level, in animals over 6 or 18 months of age Rose Bengal as screening test and Complement Fixation as confirmatory test. At slaughterhouses or at holdings, swabs, milk, organs or tissues are taken in suspicious animals, mainly from herds with free or officially free status suspended, to isolate Brucella and confirm the infection.

Case definition

Positive result to Rose Bengal confirmed by positive result to Complement Fixation. In infected herds, positive results to any official test .In free or officially free herds Brucella melitensis isolation as well.

Diagnostic/analytical methods used

Rose Bengal test, agent isolation, Complement Fixation test following criteria laying down by Annex C of Directive 91/68/EEC

2. Measures in place^(b)

Vaccination policy

Animals between 3 and 6 months of age (not in officially free herds or free herds that are on the way to gain officially free status in low prevalence areas). In high incidence areas adults can be vaccinated exceptionally to control the spread of the disease to other herds or humans.

Other preventive measures than vaccination in place

Pre-movement test in transhumance in certain areas. Cleaning and disinfecting of positive holdings. Control of common grazing areas. Epidemiological investigations in breakdowns. Inspections and official control of the field veterinarians

Control program/mechanisms

The control program/strategies in place

Spain has an Eradication Programme approved for co-financing. Legal basis of the programme measures are Directive 91/68/EEC and Royal Decree 1941/2004.

Recent actions taken to control the zoonoses

More frequent testing in non-qualified herds. Compulsory slaughter of all animals in herds with high incidence or repeating positive Results. Research in other test methodologies. Reinforce over herd register at farm level. Epidemiological studies

Suggestions to the European Union for the actions to be taken

Research into other test methodologies and into other vaccines. Authorisation of new tests (ELISA, FPA)

Measures in case of the positive findings or single cases

Confirmation by complement fixation test, and if herd free or officially free, status is suspended and if isolation of *Brucella melitensis*, lost of status by holding and depopulation if herd is placed in low prevalence area

3. Notification system in place to the national competent authority^(c)

Since 1952, at least (Epizootic Diseases Law) At the moment by Animal Health Law 8/2003

4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Results of the investigation

see table

National evaluation of the recent situation, the trends and sources of infection

Data obtained by implementation of Spanish Programme for Eradication and Monitoring of Brucellosis in Sheep and Goats show continuous decreasing trend of the disease in the country, following the trends of previous years.

5. Additional information

Status as officially free of ovine brucellosis during the reporting year

Free regions

Regions of Aragon, Cataluña, Canarias, Baleares, Galicia, Asturias, Extremadura, La Rioja, Valencia, Cantabria, Castilla y León, Navarra and País Vasco and the provinces of Albacete, Cuenca and Guadalajara.

Relevance of the findings in animals to findings in foodstuffs and to human cases (as a source of infection)

The human cases have been identified mainly as *Brucella melitensis*, caused by direct contact between humans and infected herds, as a professional disease (farmers, veterinary surgeons...).

* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent

- (a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
- (b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
- (c): Mandatory: Yes/No.
- (d): Minimum five years.
- (e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

9. Description of Monitoring/Surveillance/Control programmes system*: *B. melitensis* in animal – Goats

1. Monitoring/Surveillance/Control programmes system^(a)

see *brucella melitensis* in sheep

2. Measures in place^(b)

see *brucella melitensis* in sheep

3. Notification system in place to the national competent authority^(c)

see *brucella melitensis* in sheep

4. Results of investigations and national evaluation of the situation, the trends^(d) and sources of infection^(e)

see *brucella melitensis* in sheep

5. Additional information

see *brucella melitensis* in sheep

* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

10. Description of Monitoring/Surveillance/Control programmes system*: Brucella spp. in foodstuff

1. Monitoring/Surveillance/Control programmes system^(a)

Regional health authorities have performed official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety

Additionally, in Spain, the control of Brucella in food is carried out according to program 4 of the Multiannual National Control Plan (MANCP), related to daily control in slaughterhouses, control of game handling establishments and fighting cattle cutting plants.

For more information on this plan, please refer to the following link:

http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm

2. Measures in place^(b)

The measures are carried out according to program 4 of the Multiannual National Control Plan (MANCP), related to daily control in slaughterhouses, control of game handling establishments and fighting cattle cutting plants.

For more information on this plan, please refer to the following link:

http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm

3. Notification system in place to the national competent authority^(c)

Yes. Please refer to Prevalence Tables

4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Results of investigations are published in the Annual Report of Program 4 of the Multiannual National Control Plan (MANCP) related to daily control in slaughterhouses, control of game handling establishments and fighting cattle cutting plants. Available at:

http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/detalle/revision_sistema_control.htm

5. Additional information

The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002. (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

Spanish legislation on Brucella in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents.

*** For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent**

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

11. General evaluation*: *Salmonella* spp.

1. History of the disease and/or infection in the country^(a)

Salmonellosis is the second main zoonoses (in number of human cases) in European Union, also in Spain. *Salmonella* is the agent more frequently involved in reported foodborne outbreaks in Spain. In poultry, after the introduction in the 60's of the American production method, the specific pathology of avian salmonellosis was caused by *S. pullorum* and *S. gallinarum*. In the middle of the 80's come up a new infection in breeding flocks for meat production caused by *S. enteritidis*, and following it, also in laying hens and in feed *S. enteritidis* was isolated.

2. Evaluation of status, trends and relevance as a source for humans

Nowadays the sources of infection are widespread along the food chain: feed, animals, food (eggs and ovoproducts, meat) and humans can be a source of infection. At animal level, data in breeding flocks for *Salmonella* spp are (from 2.58 in 2016 to 3.13 in 2017) and of top 5 serovars (from 0.43 in 2016 to 0.6 in 2017). Spain have reached the community target in 2017.

In laying hens, flock incidence in SE/ST went down from 1.59 % in 2016 to 1.47 in 2017 (adult flocks).

In broiler flocks, the prevalence of *S. Enteritidis* and *S. Typhimurium* was 0.08% in 2016 and 0.07 in 2017.

In breeding turkeys the prevalence of SE/ST, including monophasic strains in 2016 was 0%, but in 2017 the prevalence SE/ST raised to 2.94

In fattening turkeys the prevalence of SE/ST, including monophasic strains in 2016 was 0.3% and in 2017 0.38. Data indicate that we have reached the prevalence target in poultry in Spain in 2016, except in breeding turkeys

At human level salmonellosis is a notifiable disease according to Royal Decree 2210/1995, laying down National Epidemiological Surveillance Network.

3. Any recent specific action in the Member State or suggested for the European Union^(b)

Ministry of Agriculture and Fish, Food and Environment and Ministry of Health, Social Policy and Equality of Spain are carrying out a Control Programme of *Salmonella* in poultry, eggs and ovoproducts along the overall food chain, starting with monitoring systems at holdings (National Surveillance Programme).

The control activities in foodstuffs are made according to Regulation (EC) 178/2002. (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and

distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

4. Additional information

Spanish legislation on Salmonella in foodstuff: Royal Decree 1254/1991 of August 2, laying down rules to preparation and conservation of mayonnaise prepared in the own establishment and for immediate consumption foods with eggs as ingredient. Royal Decree 3484/2000 of December 29, laying down hygiene rules to elaboration, distribution and commercialisation of ready-to-eat food. Royal Decree 640/2006, of May 26, laying down specific implementation conditions of the Communities rules concerning hygiene subjects, as well as foodstuff's production and commercialisation. Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents.

*** For each zoonotic agent**

- (a): Epidemiological evaluation (trends and sources) over time until recent/current situation for the different relevant matrixes (food, feed, animal). If relevant: the official "disease status" to be specified for the whole country and/or specific regions within the country
(b): If applicable

12. Description of Monitoring/Surveillance/Control programmes system*: Salmonella spp. in animal - Cattle (bovine animals)

1. Monitoring/Surveillance/Control programmes system^(a)

Monitoring system

Sampling strategy

Samples are taken randomly (day of sampling each month) in 23 slaughterhouses (distribution of the number of samples according to the capacity of sacrifice of each slaughterhouse) placed in different regions of Spain and representative of the total volume of sacrifice of the country (around 60%) in the year 2017.

Frequency of the sampling

Animals at slaughter (herd based approach)

Monthly (each two years)

Type of specimen taken

Animals at slaughter (herd based approach)

Faeces

Methods of sampling (description of sampling techniques)

Animals at slaughter (herd based approach)

Two faecal samples at colon level are taken in all the slaughter batches in the day of sampling, with a maximum of 30 batches by slaughterhouse and day of sampling. A total of 384 slaughter batches have been tested in 2017. Faeces are taken from the colon, refrigerated immediately and sent to the laboratory and analysed within 24 hours.

Case definition

Animals at slaughter (herd based approach)

A slaughter batch is positive if Salmonella spp. has been isolated from at least one of the two samples of each slaughter batch of calves.

Diagnostic/analytical methods used
Animals at slaughter (herd based approach)

Bacteriological method: ISO 6579-1:2017 PCR.

2. Measures in place^(b)

The monitoring programme is implemented each 2 years.

3. Notification system in place to the national competent authority^(c)

4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Results of the investigation

see table

National evaluation of the recent situation, the trends and sources of infection

The slaughter batch prevalence in 2017 was 11,8%

5. Additional information

* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

13. Description of Monitoring/Surveillance/Control programmes system*: Salmonella spp. in animal - Gallus gallus (fowl) - broilers

1. Monitoring/Surveillance/Control programmes system^(a)

Monitoring system

Sampling strategy

Broiler flocks

Following point 1 of the Annex of Commission Regulation (EC) 200/2012 implementing Regulation (EC) 2160/2003 as regards a Community target for the reduction of the prevalence of Salmonella Enteritidis and Salmonella Typhimurium, including monophasic strains in broilers.

Frequency of the sampling

Broiler flocks: Before slaughter at farm

3 weeks prior to slaughter (FBO control and official control). Official control sampling is performed in at least one flock on 10% of the holdings with more than 5000 birds.

Type of specimen taken

Broiler flocks: Before slaughter at farm

Faeces (boot swabs)

Methods of sampling (description of sampling techniques)

Broiler flocks: Before slaughter at farm

Following point 2 of the Annex of Commission Regulation (EC) 200/2012 implementing Regulation (EC) 2160/2003 as regards a Community target for the reduction of the prevalence of Salmonella Enteritidis and Salmonella Typhimurium, including monophasic strains in broilers.

Case definition

Broiler flocks: Before slaughter at farm

A flock of broilers shall be considered positive for the purpose of verifying the achievement of the Community target, where the presence of Salmonella enteritidis and/or Salmonella typhimurium, including monophasic strains (other than vaccine strains) was detected in the flock at any occasion.

Diagnostic/analytical methods used

Broiler flocks: Before slaughter at farm

Bacteriological method: ISO 6579:2002

2. Measures in place^(b)

Vaccination policy

Broiler flocks

Does not exist.

Other preventive measures than vaccination in place

Broiler flocks

Biosecurity measures Compliance with Good Practice Code

Control program/mechanisms

The control program/strategies in place

Broiler flocks

National Control and Monitoring Plan on Salmonella in broiler flocks 2017, approved for co-financing by Decision Number SANTE/VP/2017/ES/SI2.749855

https://ec.europa.eu/food/sites/food/files/safety/docs/cff_animal_vet-progs_2017-8_dec-2016-2444-ec_salmonella_broiler_gal_esp.pdf

Recent actions taken to control the zoonoses

National Control and Monitoring Plan on Salmonella in broiler flocks 2016, including biosecurity measures and compliance with Good Practice Code following Regulations 2160/2003, 1177/2006 and 200/2012.

Measures in case of the positive findings or single cases

<p>Broiler flocks: Before slaughter at farm Verification of the compliance of biosecurity measures Cleaning, disinfection and treatment against rodents and insects Verification of the efficacy of cleaning and disinfection Epidemiological investigation</p>
<p>3. Notification system in place to the national competent authority^(c)</p>
<p>Since 1952, at least (Epizootic Diseases Law). At the moment by Animal Health Law 8/2003, Royal Decree 328/2003 and Royal Decree 1940/2004.</p>
<p>4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)</p>
<p>see table</p> <p>National evaluation of the recent situation, the trends and sources of infection Spain has reached the community target.</p>
<p>5. Additional information</p>
<p>* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent</p> <p>(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.</p> <p>(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.</p> <p>(c): Mandatory: Yes/No.</p> <p>(d): Minimum five years.</p> <p>(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).</p>

14. Description of Monitoring/Surveillance/Control programmes system*: Salmonella spp. in animal – Pigs

<p>1. Monitoring/Surveillance/Control programmes system^(a)</p>
<p><u>Monitoring system</u> <u>Sampling strategy</u> <u>Fattening herds</u></p> <p>Samples are taken randomly (day of each month) in 18 slaughterhouses (distribution of the number of samples according to the capacity of sacrifice of each slaughterhouse) placed in different regions of Spain and representative of the total volume of sacrifice of the country (60, 66%) in the year 2017.</p> <p><u>Frequency of the sampling</u> <u>Fattening herds at slaughterhouse (herd based approach)</u></p> <p>Monthly (each 2 years)</p>

Type of specimen taken

Fattening herds at slaughterhouse (herd based approach)

Faeces

Methods of sampling (description of sampling techniques)

Fattening herds at slaughterhouse (herd based approach)

Two faecal samples at colon level are taken from all the slaughter batches in the day of sampling, with a maximum of 30 batches by slaughterhouse and day of sampling. Each batch belonged to different herds. A total of 384 batches were tested in 2017. Samples were refrigerated immediately and sent to the laboratory and analysed within 24 hours.

Case definition

Fattening herds at slaughterhouse (herd based approach)

A slaughter batch is considered positive for the purpose of this survey if Salmonella spp. has been isolated from the pooled sample of faeces.

Diagnostic/analytical methods used

Fattening herds at slaughterhouse (herd based approach)

Bacteriological method: ISO 6579.-1:2017; PCR

2. Measures in place^(b)

The monitoring programme is implemented each 2 years

3. Notification system in place to the national competent authority^(c)

4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

see table

National evaluation of the recent situation, the trends and sources of infection

The slaughter batch prevalence was 48.9% in 2017.

5. Additional information

* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the

Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

15. Description of Monitoring/Surveillance/Control programmes system*: Salmonella ssp. in animal - Gallus gallus (fowl) - breeding flocks, unspecified

1. Monitoring/Surveillance/Control programmes system^(a)

Monitoring system

Sampling strategy

Breeding flocks (separate elite, grand parent and parent flocks when necessary)

Following point 2 of the Annex of Commission Regulation (EU) 200/2010 of 10 March, implementing Regulation (EC) 2160/2003 as regards a Community target for the reduction of the prevalence of certain Salmonella serotypes in breeding flocks of Gallus gallus.

This sampling strategy is implemented by the Spanish National Surveillance and Control Programme on Salmonella in Breeding

Flocks of Gallus gallus, approved for co-financing by Decision Number SANTE/VP/2017/ES/SI2.749855

Frequency of the sampling

Breeding flocks (separate elite, grand parent and parent flocks when necessary):

Every flock is sampled

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Rearing period

Day-old chicks

Birds of 4 weeks of age and 2 weeks prior movement to laying period.

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Production period

FBO controls: every 2/3 weeks (In Spain we have got the target during the last 2 years, so the frequency can be modify from every 2 weeks to every 3 weeks if the FBO asks for it). Additionally to the FBO controls, during production period an official control sampling is performed, with the following frequency:

1. within 4 weeks following moving to the laying phase or laying unit
2. towards the end of the laying phase and not earlier than 8 weeks before the end of the production cycle
3. During the production period at time distant enough from the sampling referred in points 1. and 2. (In Spain we have got the target during the last 2 years, so the number of official controls can be reduce from 3 to 2 if the CA considers it appropriate).

Type of specimen taken

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Rearing period

Faeces/ boot swabs

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Production period

Faeces/boot swabs

Methods of sampling (description of sampling techniques)

Breeding flocks (separate elite, grand parent and parent flocks when necessary):

Day-old chicks:

1. One sample made up of from 10 samples taken of the internal coverings of the cages transporting the chicks taken when they are delivered to the holding. The bases of the cages may be used directly

as a sample, which will be sent either whole or in parts to the laboratories responsible for processing samples and may be made up of a single or more than one sample, or

2. Liver, caecum and yolk sac of 60 chicks (these parts of the viscera can be removed and processed as a single sample), or

3. A sample made up of meconium from at least 250 chicks.

Rearing period:

Faeces from different points of the holding or boot swabs.

Faeces or boot swabs can be pooled for analysis up to a minimum of two pools.

Production period

Following point 2 of the Annex of Commission Regulation (EU) 200/2010 of 10 March, implementing Regulation (EC) 2160/2003 as regards a Community target for the reduction of the prevalence of certain Salmonella serotypes in breeding flocks of Gallus gallus.

Case definition

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Day-old chicks, rearing and production period:

A breeding flock shall be considered positive when the presence of the relevant Salmonella serotypes (other than vaccine strains) has been detected in one or more samples taken in the flock, even if the relevant Salmonella serotypes is only detected in the dust sample, or when the confirmatory sampling as part of official controls in accordance with point 2.2.2.2(b) does not confirm the detection of relevant Salmonella serotypes but antimicrobials or bacterial growth inhibitors have been detected in the flock.

Diagnostic/analytical methods used

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Day-old chicks

Bacteriological method: EN/ISO 6579-2002/Amd1:2007

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Rearing period

Bacteriological method: EN/ISO 6579-2002/Amd1:2007

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Production period

Bacteriological method: EN/ISO 6579-2002/Amd1:2007

2. Measures in place^(b)

Vaccination policy

Breeding flocks (separate elite, grand parent and parent flocks when necessary)

Voluntary/Compulsory in rearing flocks of the meat production line if one of the relevant Salmonella serovars was detected in the preceding flock

Other preventive measures than vaccination in place

Breeding flocks (separate elite, grand parent and parent flocks when necessary)

Biosecurity measures. Compliance with Good Practice Code.

Control program/mechanisms

The control program/strategies in place

Breeding flocks (separate elite, grand parent and parent flocks when necessary)

Spanish National Control and Monitoring Programme on Salmonella in Breeding Flocks of Gallus gallus 2017, approved for cofinancing by Decision Number SANTE/VP/2017/ES/SI2.749855

https://ec.europa.eu/food/sites/food/files/safety/docs/cff_animal_vet-progs_2017-8_dec-2016-2444-ec_salmonella_breeding_gal_esp.pdf

Recent actions taken to control the zoonoses

Compulsory National Control and Monitoring Programme on Salmonella in Breeding Flocks of Gallus gallus 2017.

Measures in case of the positive findings or single cases

Breeding flocks (separate elite, grand parent and parent flocks when necessary) According to the compulsory National Control and Monitoring Programme on Salmonella in Breeding Flocks of Gallus gallus 2017, including: movement of live birds forbidden, destruction or treatment of eggs, sacrifice-depopulation of the flock, epidemiological investigations, control of biosecurity measures, control of the effectiveness of cleaning and disinfection
3. Notification system in place to the national competent authority^(c)
Since 1952, at least (Epizootic Diseases Law). At the moment by Animal Health Law 8/2006, Royal Decree 328/2003 and Royal Decree 1940/2004.
4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)
<u>Results of the investigation</u> See table
<u>National evaluation of the recent situation, the trends and sources of infection</u> The incidence on top 5 have increased from 0.43 in 2016 to 0.6 in 2017. Spain has reached the Community reduction (<1%) target for 2017.
5. Additional information
<u>Relevance of the findings in animals to findings in foodstuffs and to human cases (as a source of infection)</u> Breeding flocks for egg production can be considered a very low source of infection for humans, with no positive flock to Salmonella
* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent (a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website. (b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website. (c): Mandatory: Yes/No. (d): Minimum five years. (e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

16. Description of Monitoring/Surveillance/Control programmes system*: Salmonella spp. in Turkeys - breeding flocks and meat production flocks

1. Monitoring/Surveillance/Control programmes system^(a)
<u>Monitoring system</u> <u>Sampling strategy</u> Breeding flocks (separate elite, grand parent and parent flocks when necessary) Following points 1 and 2 of the Annex of Commission Regulation (EC) 584/2008 as regards a Community target for the reduction of the prevalence of Salmonella Enteritidis and Salmonella Typhimurium, including monophasic strains in turkeys.

Meat production flocks

Following points 1 and 2 of the Annex of Commission Regulation (EC) 584/2008 as regards a Community target for the reduction of the prevalence of Salmonella Enteritidis and Salmonella Typhimurium, including monophasic strains in turkeys.

Frequency of the sampling

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Day-old chicks

Following point 1 of the Annex of Commission Regulation (EC) 584/2008 as regards a Community target for the reduction of the prevalence of Salmonella Enteritidis and Salmonella Typhimurium, including monophasic strains in turkeys.

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Rearing period

Following point 1 of the Annex of Commission Regulation (EC) 584/2008 as regards a Community target for the reduction of the prevalence of Salmonella Enteritidis and Salmonella Typhimurium, including monophasic strains in turkeys.

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Production period

Other: Following points 1 of the Annex of Commission Regulation (EC) 584/2008 as regards a Community target for the reduction of the prevalence of Salmonella Enteritidis and Salmonella Typhimurium, including monophasic strains in turkeys.

Meat production flocks: Before slaughter at farm

Other: Following point 1 of the Annex of Commission Regulation (EC) 584/2008 as regards a Community target for the reduction of the prevalence of Salmonella Enteritidis and Salmonella Typhimurium, including monophasic strains in turkeys.

Type of specimen taken

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Day-old chicks

Other: Following points 2 of the Annex of Commission Regulation (EC) 584/2008 as regards a Community target for the reduction of the prevalence of Salmonella Enteritidis and Salmonella Typhimurium, including monophasic strains in turkeys.

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Production period

Other: Following point 2 of the Annex of Commission Regulation (EC) 584/2008 as regards a Community target for the reduction of the prevalence of Salmonella Enteritidis and Salmonella Typhimurium, including monophasic strains in turkeys.

Meat production flocks: Before slaughter at farm

Other: Following points 2 of the Annex of Commission Regulation (EC) 584/2008 as regards a Community target for the reduction of the prevalence of Salmonella Enteritidis and Salmonella Typhimurium, in turkeys.

Methods of sampling (description of sampling techniques)

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Day-old chicks

Following points 1 and 2 of the Annex of Commission Regulation (EC) 584/2008 as regards a Community target for the reduction of the prevalence of Salmonella Enteritidis and Salmonella Typhimurium, including monophasic strains in turkeys.

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Rearing period

Following points 1 and 2 of the Annex of Commission Regulation (EC) 584/2008 as regards a Community target for the reduction of the prevalence of Salmonella Enteritidis and Salmonella Typhimurium, including monophasic strains in turkeys.

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Production period

Following points 1 and 2 of the Annex of Commission Regulation (EC) 584/2008 as regards a Community target for the reduction of the prevalence of Salmonella Enteritidis and Salmonella Typhimurium, including monophasic strains in turkeys.

Meat production flocks: Before slaughter at farm

Following points 1 and 2 of the Annex of Commission Regulation (EC) 584/2008 as regards a Community target for the reduction of the prevalence of Salmonella Enteritidis and Salmonella Typhimurium, including monophasic strains in turkeys.

Case definition

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Rearing period

A flock of turkeys shall be considered positive for the purpose of verifying the achievement of the Community target, where the presence of Salmonella enteritidis and/or Salmonella typhimurium, including monophasic strains (other than vaccine strains) was detected in the flock at any occasion. Positive flocks of turkeys shall be counted only once per round, irrespective of the number of sampling and testing operations and only be reported in the year of the first positive sampling.

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Rearing period
A flock of turkeys shall be considered positive, where the presence of Salmonella enteritidis and/or Salmonella typhimurium, including monophasic strains (other than vaccine strains) was detected in the flock at any occasion.

Meat production flocks: Before slaughter at farm

A flock of turkeys shall be considered positive for the purpose of verifying the achievement of the Community target, where the presence of Salmonella enteritidis and/or Salmonella typhimurium, including monophasic strains (other than vaccine strains) was detected in the flock at any occasion.

Diagnostic/analytical methods used

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Day-old chicks

Bacteriological method: EN/ISO 6579-2002/Amd1:2007

Breeding flocks (separate elite, grand parent and parent flocks when necessary): Production period

Bacteriological method: EN/ISO 6579-2002/Amd1:2007

Meat production flocks: Before slaughter at farm

Bacteriological method: EN/ISO 6579-2002/Amd1:2007

2. Measures in place^(b)

Vaccination policy

Breeding flocks (separate elite, grand parent and parent flocks when necessary)

Voluntary

Meat production flocks

It does not exist.

Other preventive measures than vaccination in place

Breeding flocks (separate elite, grand parent and parent flocks when necessary)

Biosecurity measures. Compliance with Good Practice Code

Meat production flocks

Biosecurity measures. Compliance with Good Practice Code

Control program/mechanisms

The control program/strategies in place

Breeding flocks (separate elite, grand parent and parent flocks when necessary)

Spanish National Control and Monitoring Programme on Salmonella in Breeding Flocks of Turkeys 2017

Meat production flocks

Spanish National Control and Monitoring Programme on Salmonella in Meat Production Flocks of Turkeys 2017 approved for cofinancing by Decision Number SANTE/VP/2017/ES/SI2.749855

https://ec.europa.eu/food/sites/food/files/safety/docs/cff_animal_vet-progs_2017-8_dec-2016-2444-ec_salmonella_fattening_turkeys_esp.pdf

https://ec.europa.eu/food/sites/food/files/safety/docs/cff_animal_vet-progs_2017-8_dec-2016-2444-ec_salmonella_breeding_gal_esp.pdf

Recent actions taken to control the zoonoses

Compulsory National Control and Monitoring Programme on Salmonella in Breeding Flocks and Meat Production Flocks of Turkeys 2015, following criteria of Regulation (EC) 584/2008.
3. Notification system in place to the national competent authority^(c)
Notification system in place Since 1952, at least (Epizootic Diseases Law). At the moment by Animal Health Law 8/2006, Royal Decree 328/2003 and Royal Decree 1940/2004.
4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)
Results of the investigation see table National evaluation of the recent situation, the trends and sources of infection In 2017, Spain has achieved the community target in fattening turkeys and has not achieved the community target in Breeding turkeys.
5. Additional information
<p>* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent</p> <p>(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.</p> <p>(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.</p> <p>(c): Mandatory: Yes/No.</p> <p>(d): Minimum five years.</p> <p>(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).</p>

17. Description of Monitoring/Surveillance/Control programmes system*: Salmonella spp. in foodstuffs (Meat from bovine animals, meat from broilers, meat from pig and eggs)

1. Monitoring/Surveillance/Control programmes system^(a)

Regional health authorities have performed official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety

Additionally, in Spain, the control of Salmonella in food is carried out according to program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety.

For more information on this plan, please refer to the following link:

http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm

2. Measures in place^(b)
The measures are carried out according to program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety For more information on this plan, please refer to the following link: http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm
3. Notification system in place to the national competent authority^(c)
Yes. Please refer to Prevalence Tables
4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)
Results of investigations are published in the Annual Report of Program 11 of the Multiannual National Control Plan (MANCP) related to Control of microbiological criteria for food safety. Available at: http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/detalle/revision_sistema_control.htm
5. Additional information
The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year. As a zoonotic agent or its toxin included in Regulation (UE) 2073/2005, this control is performed in compliance with the microbiological criteria laid down in the aforementioned Regulation Spanish legislation on Salmonella in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents. Royal Decree 1254/1991 of August 2, laying down rules to preparation and conservation of mayonnaise prepared in the own establishment and for immediate consumption in foods with eggs as ingredient. Royal Decree 3484/2000 of December 29, laying down hygiene rules for preparation, distribution and marketing of ready-to-eat food. Royal Decree 640/2006, of May 26, laying down specific implementation conditions of the EU rules concerning hygiene practices, as well as foodstuff's production and marketing.
* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent
(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website. (b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website. (c): Mandatory: Yes/No. (d): Minimum five years. (e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

18. General evaluation*: Thermophilic Campylobacter spp. - general evaluation

1. History of the disease and/or infection in the country^(a)

Campylobacter spp. is at the moment the most frequent reported gastrointestinal disease in humans. Poultry are the main reservoir, and infection happens usually by consumption of poultry meat. Until the end of the 60's importance of Campylobacter spp. was not valued. Notification of the disease is also under valued in surveillance systems. Epidemiology investigations show an association of cases to poultry meat consumption and a deficient handle of food..

2. Evaluation of status, trends and relevance as a source for humans

Poultry meat is the main source of infection. Another food implicated are red meat, raw milk, non-pasteurized cheese, and water.

3. Any recent specific action in the Member State or suggested for the European Union^(b)

Monitoring of the zoonoses according to Council Directive 2003/99/EEC. The control activities in foodstuffs are made according to Regulation (EC) 178/2002. (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

Campylobacteriosis is a mandatory disease in Spain, since 2015, according to the Ministerial Order SSI/445/2015 that update the Royal Decree 2210/1995, laying down National Epidemiological Surveillance Network

4. Additional information

Spanish legislation on Campylobacter in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents

* For each zoonotic agent

(a): Epidemiological evaluation (trends and sources) over time until recent/current situation for the different relevant matrixes (food, feed, animal). If relevant: the official "disease status" to be specified for the whole country and/or specific regions within the country

(b): If applicable

19. Description of Monitoring/Surveillance/Control programmes system*: Thermophilic Campylobacter spp. in animal - Cattle (bovine animals)

1. Monitoring/Surveillance/Control programmes system^(a)

Monitoring system

Sampling strategy

Samples have been taken randomly (day of sampling each month) at 23 slaughterhouses (distribution of the samples according to the capacity of sacrifice of each slaughterhouse) placed in different regions of Spain and representative of the total volume of sacrifice of the country (60, 24% in 2017).

Frequency of the sampling

Two faecal samples at colon level are taken in all the slaughter batches in the day of sampling, with a maximum of 30 batches by slaughterhouse and day of sampling. Each batch belonged to different holdings. A total of 768 samples were taken in 2017, belonging to 384 slaughter batches and 384

different holdings. Faeces were taken from the colon, refrigerated immediately and sent to the laboratory and analysed within 24 hours.

Type of specimen taken

Faeces

Methods of sampling (description of sampling techniques)

Faeces were taken from the colon, refrigerated immediately and sent to the laboratory and analysed before 24 hours.

Case definition

One slaughter batch was considered as positive if isolation of Campylobacter spp. by culture and identification by PCR

Diagnostic/analytical methods used

Isolation in agar mCCDA(Oxoid) and agar Campyfood (bioMerieux) and identification by PCR multiplex.

2. Measures in place^(b)

The monitoring programme will be implemented each 2 years

3. Notification system in place to the national competent authority^(c)

4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Slaughter batch prevalence in 2017 was 48%.

5. Additional information

*** For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent**

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

20. Description of Monitoring/Surveillance/Control programmes system*: Thermophilic Campylobacter spp. in animal - Pigs - fattening pigs

1. Monitoring/Surveillance/Control programmes system^(a)

Monitoring system

Frequency of the sampling

2 faecal samples by slaughter batch with 10 animals or more, with a maximum of 30 slaughter batches by slaughterhouse and day of sampling. Each batch belonged to different herds. Sampling has been performed at 18 slaughterhouses representing an important part of all the fattening pigs sacrificed in Spain (60,66% in 2017). A total of 768 samples have been taken in 2017, belonging to 384 slaughter batches and 384 different holdings. Samples were refrigerated immediately and sent to the laboratory and analysed within 24 hours.

Type of specimen taken

Faeces

Methods of sampling (description of sampling techniques)

2 faecal material samples by slaughter batch and by holding

Case definition

A slaughter batch is considered as positive if isolation by bacteriological method and PCR identification

Diagnostic/analytical methods used

Isolation in agar mCCDA(Oxoid) and agar Campyfood(bioMerieux) and identification by PCR multiplex

2. Measures in place^(b)

The monitoring programme will be implemented each 2 years.

3. Notification system in place to the national competent authority^(c)

4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

The slaughter batch prevalence in 2017 was 58.2%.

5. Additional information

*** For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent**

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

- (b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
- (c): Mandatory: Yes/No.
- (d): Minimum five years.
- (e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

21. Description of Monitoring/Surveillance/Control programmes system*: Campylobacter spp. in animal - Turkeys - fattening flocks -

1. Monitoring/Surveillance/Control programmes system^(a)

Monitoring is performed every 2 years, the following one in 2018.

2. Measures in place^(b)

3. Notification system in place to the national competent authority^(c)

4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

5. Additional information

*** For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent**

- (a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
- (b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
- (c): Mandatory: Yes/No.
- (d): Minimum five years.
- (e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

22. Description of Monitoring/Surveillance/Control programmes system*: Campylobacter spp. in animal - Broilers -

1. Monitoring/Surveillance/Control programmes system^(a)

Monitoring is performed every 2 years, the following one in 2018.
2. Measures in place^(b)
3. Notification system in place to the national competent authority^(c)
4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)
5. Additional information
<p>* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent</p> <p>(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.</p> <p>(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.</p> <p>(c): Mandatory: Yes/No.</p> <p>(d): Minimum five years.</p> <p>(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).</p>

23. Description of Monitoring/Surveillance/Control programmes system*: Campylobacter in foodstuff - meat from broilers (Gallus gallus)

1. Monitoring/Surveillance/Control programmes system^(a)

In 2017 Thermophilic Campylobacter was not yet included in Regulation (EC) No 2073/2005 of November 15, 2005 on microbiological criteria for foodstuffs. Therefore regional health authorities have carried out official control according to Article 14 of Regulation (EC) N° 178/2002 of January 28, 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety.

This control is performed at all steps of the food chain and to all foodstuffs including meat from broilers (Gallus gallus). The Analytical reference method is: ISO 10272:2006

Additionally, in Spain, the control of Campylobacter in food is carried out according to program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety.

For more information on this plan, please refer to the following link:

http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm

<p>2. Measures in place^(b)</p> <p>Regulation (EU) 2017/1495 of 23 August 2017 amending Regulation (EC) No 2073/2005 as regards <i>Campylobacter</i> in broiler carcasses, shall apply from January 1st 2018. Therefore <i>Campylobacter</i> spp. will be included as a microbiological criterion 2.1.9.</p> <p>This criterion will be added to program 11 of the Multiannual Nacional Control Plan (MANCP), related to Control of food safety microbiological criteria For more information on this plan, please refer to the following link: http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm</p>
<p>3. Notification system in place to the national competent authority^(c)</p> <p>Yes. Please refer to Prevalence Tables</p>
<p>4. Results of investigations and national evaluation of the situation, the trends^(d) and sources of infection^(e)</p> <p>Results of investigations will be published in the Annual Report of Program 11 of the Multiannual Nacional Control Plan (MANCP) related to Control of microbiological criteria for food safety. Available at: http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/detalle/revision_sistema_control.htm</p>
<p>5. Additional information</p> <p>The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.</p> <p>As a zoonotic agent or its toxin included in Regulation (UE) 2073/2005, this control will be performed in compliance with the microbiological criteria laid down in the aforementioned Regulation Spanish legislation on <i>Campylobacter</i> in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents</p>
<p>* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent</p> <p>(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.</p> <p>(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.</p> <p>(c): Mandatory: Yes/No.</p> <p>(d): Minimum five years.</p> <p>(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).</p>

24. General evaluation*: *Listeria* spp.

<p>1. History of the disease and/or infection in the country^(a)</p> <p>Listeria monocytogenes has been recognised as a human pathogen for more than 50 years. It causes invasive illness mainly in certain well defined high-risk groups, including immunocompromised persons, pregnant women and neonates. However listeriosis can occur in otherwise healthy individuals, particularly in the setting of an outbreak. The public health importance of listeriosis is not always recognised particularly because listeriosis is a relatively rare disease compared to other common food-borne illnesses such as salmonellosis. Also listeriosis is a disease that clinically affects cattle, but mainly ewes in Spain.</p>
<p>2. Evaluation of status, trends and relevance as a source for humans</p> <p>Listeria is a serious food safety issue, particularly for pregnant women, the elderly, and those who are immunocompromised in Spain. In 2016 the number of reported human cases was 53</p>
<p>3. Any recent specific action in the Member State or suggested for the European Union^(b)</p> <p>The control activities in foodstuffs are made according to Regulation (EC) 178/2002. (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year. Notification of Listeriosis is a mandatory in Spain, according to the Ministerial Order SSI/445/2015 that update the Royal Decree 2210/1995, laying down National Epidemiological Surveillance Network since 2015.</p>
<p>4. Additional information</p> <p>The diagnostic method used in food is: ISO 11290-2 :2004. Spanish legislation on Listeria in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents.</p>
<p>* For each zoonotic agent (a): Epidemiological evaluation (trends and sources) over time until recent/current situation for the different relevant matrixes (food, feed, animal). If relevant: the official "disease status" to be specified for the whole country and/or specific regions within the country (b): If applicable</p>

25. Description of Monitoring/Surveillance/Control programmes system*: Listeria spp. in foodstuff

<p>1. Monitoring/Surveillance/Control programmes system^(a)</p> <p>Regional health authorities have performed official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety</p> <p>Additionally, in Spain, the control of VTEC in food is carried out according to program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety. For more information on this plan, please refer to the following link: http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm</p>
<p>2. Measures in place^(b)</p> <p>The measures are carried out according to program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety</p>

For more information on this plan, please refer to the following link: http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm
3. Notification system in place to the national competent authority^(c)
Yes. Please refer to Prevalence Tables
4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)
Results of investigations are published in the Annual Report of Program 11 of the Multiannual National Control Plan (MANCP) related to Control of microbiological criteria for food safety. Available at: http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/detalle/revision_sistema_control.htm
5. Additional information
The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year. As a zoonotic agent or its toxin included in Regulation (UE) 2073/2005, this control is performed in compliance with the microbiological criteria laid down in the aforementioned Regulation Spanish legislation on Listeria in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents
* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent (a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website. (b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website. (c): Mandatory: Yes/No. (d): Minimum five years. (e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

26. General evaluation*: Yersinia Enterocolitica

<p>1. History of the disease and/or infection in the country^(a)</p> <p>Animals are the main source of Yersinia. Faecal wastes from animals (particularly pigs) may contaminate water, milk and foods and become a source of infection for people or other animals.</p>
<p>2. Evaluation of status, trends and relevance as a source for humans</p> <p><u>National evaluation of the recent situation, the trends and sources of infection</u> The number of Yersinia enterocolitica human cases reported to the Microbiological Information System was 436 in 2016.</p> <p>At animal level, an active monitoring programme in fattening pigs at slaughter in 2017 detected Y. enterocolitica in 34.6% of the slaughter batches tested. All the strains belonged to biotype 4 serotype O:3.</p>
<p>3. Any recent specific action in the Member State or suggested for the European Union^(b)</p> <p>Notification of Yersinia is mandatory in Spain, since 2015</p> <p>The control activities in foodstuffs are made according to Regulation (EC) 178/2002. (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.</p>
<p>4. Additional information</p> <p>Spanish legislation on Yersinia in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents.</p> <p>* For each zoonotic agent (a): Epidemiological evaluation (trends and sources) over time until recent/current situation for the different relevant matrixes (food, feed, animal). If relevant: the official "disease status" to be specified for the whole country and/or specific regions within the country (b): If applicable</p>

27. Description of Monitoring/Surveillance/Control programmes system*: Yersinia enterocolitica in animal – Pigs

<p>1. Monitoring/Surveillance/Control programmes system^(a)</p> <p><u>Monitoring system</u> <u>Sampling strategy</u></p> <p><u>Animals at slaughter (herd based approach)</u> Samples have been taken randomly (day of each month) at 18 slaughterhouses (distribution of the number of samples according to the capacity of sacrifice of each slaughterhouse) placed in different regions of Spain and representative of the total volume of sacrifice of the country(60,66%) in the year 2017.</p> <p><u>Frequency of the sampling</u> <u>Animals at slaughter (herd based approach)</u></p>
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Monthly (each two years)

Type of specimen taken

Animals at slaughter (herd based approach)

Tonsils

Methods of sampling (description of sampling techniques)

Animals at slaughter (herd based approach)

One sample of tonsils have been taken from all the slaughter batches in the day of sampling, with a maximum of 30 batches by slaughterhouse and day of sampling. Each batch belonged to different herds. A total of 369 batches were tested in 2017. Samples were refrigerated immediately and sent to the laboratory and analysed within 24 hours.

Case definition

Animals at slaughter (herd based approach)

Isolation of Yersinia in the sample of tonsils

Diagnostic/analytical methods used

Animals at slaughter (herd based approach)

ISO 10273:2003

2. Measures in place^(b)

3. Notification system in place to the national competent authority^(c)

4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

see table

National evaluation of the recent situation, the trends and sources of infection

The monitoring programme will be implemented each 2 years. Slaughter batch prevalence was 34.6% in 2017.

5. Additional information

*** For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent**

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

28. Description of Monitoring/Surveillance/Control programmes system*: Yersinia spp. in foodstuff

1. Monitoring/Surveillance/Control programmes system^(a)

Regional health authorities have performed official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety

Additionally, in Spain, the control of Yersinia in food is carried out according to program 4 of the Multiannual National Control Plan (MANCP), related to daily control in slaughterhouses, control of game handling establishments and fighting cattle cutting plants.

For more information on this plan, please refer to the following link:

http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm

2. Measures in place^(b)

The measures are carried out according to program 4 of the Multiannual National Control Plan (MANCP), related to daily control in slaughterhouses, control of game handling establishments and fighting cattle cutting plants.

For more information on this plan, please refer to the following link:

http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm

3. Notification system in place to the national competent authority^(c)

Yes. Please refer to Prevalence Tables

4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Results of investigations are published in the Annual Report of Program 4 of the Multiannual National Control Plan (MANCP) related to daily control in slaughterhouses, control of game handling establishments and fighting cattle cutting plants. Available at:

http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/detalle/revision_sistema_control.htm

5. Additional information

The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002. (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

Spanish legislation on Yersinia in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents.

* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent

- (a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
- (b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
- (c): Mandatory: Yes/No.
- (d): Minimum five years.
- (e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

29. General evaluation*: *Trichinella* spp.

1. History of the disease and/or infection in the country^(a)

Trichinellosis is a notifiable zoonosis, cases are usually associated to outbreaks, two outbreaks occurred in 2013 and 2014, one each year.

2. Evaluation of status, trends and relevance as a source for humans

Most cases are caused by *Trichinella spiralis*. *Trichinella britovi* has previously been associated with outbreaks due to the consumption of boar meat, and meat from other wild animals but in the last years *T. britovi* was associated with pork meat and transmitted through the consumption of meat from a domestic pig.

In Spain coexist domestic and sylvatic cycles. The main circulating species are *T. spiralis* and *T. britovi*, which are widely distributed in our environment, sometimes in mixed infestations of both species. *T. pseudospiralis* was detected, for the first time in 2014 in an infested boar. The importance of the detection of this species lies in the fact that it does not form a capsule and that it could not be detected by the trichinoscopic method.

In 2016 the number of reported human cases was 14

3. Any recent specific action in the Member State or suggested for the European Union^(b)

Trichinellosis is a notifiable disease according to Royal Decree 2210/1995, laying down the National Epidemiological Surveillance Network.

Official Control activities to prevent and eradicate Trichinosis are performed according to European Regulation (UE) 2015/1375 of 10 August 2015 laying down specific rules on official controls for *Trichinella* in meat, currently in force.

The control activities in foodstuffs are made according to Regulation (EC) 178/2002. (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

4. Additional information

In Spain the wild game meat to be sold at retail is regulated by the Spanish Royal Decree 640/2006, of May 26, 2006, laying down specific implementation conditions of the European union rules regarding hygiene practices, as well as foodstuffs production and commercialisation.

According to Article 7 of Regulation (UE) 2015/1375 of 10 August 2015 laying down specific rules on official controls for Trichinella in meat, currently in force. Spain has prepared a contingency plan outlining all action to be taken when samples referred to in Articles 2 and 16 test are positive to Trichinella.

Spanish legislation on Trichinella in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents.

*** For each zoonotic agent**

(a): Epidemiological evaluation (trends and sources) over time until recent/current situation for the different relevant matrixes (food, feed, animal). If relevant: the official "disease status" to be specified for the whole country and/or specific regions within the country

(b): If applicable

30. Description of Monitoring/Surveillance/Control programmes system*: Trichinella spp. in foodstuff

1. Monitoring/Surveillance/Control programmes system^(a)

Regional health authorities have performed official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety

Official Control activities to prevent and eradicate Trichinosis are performed according to European Regulation (UE) 2015/1375 of 10 August 2015 laying down specific rules on official controls for Trichinella in meat. Additionally, in Spain, the control of Trichinella in food is carried out according to program 4 of the Multiannual National Control Plan (MANCP), related to daily control in slaughterhouses, control of game handling establishments and fighting cattle cutting plants.

For more information on this plan, please refer to the following link:

http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm

2. Measures in place^(b)

The measures are carried out according to program 4 of the Multiannual National Control Plan (MANCP), related to daily control in slaughterhouses, control of game handling establishments and fighting cattle cutting plants.

For more information on this plan, please refer to the following link:

http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm

3. Notification system in place to the national competent authority^(c)

Yes. Please refer to Prevalence Tables

4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Results of investigations are published in the Annual Report of Program 4 of the Multiannual National Control Plan (MANCP) related to daily control in slaughterhouses, control of game handling establishments and fighting cattle cutting plants. Available at:

http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/detalle/revision_sistema_control.htm

5. Additional information

The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

Spanish legislation on Trichinella in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents. Wild game meat to be sold at retail is regulated by Spanish Royal Decree 640/2006, of May 26, 2006, laying down specific implementation conditions of the European union rules regarding hygiene practices, as well as foodstuffs production and marketing.

*** For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent**

- (a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
- (b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
- (c): Mandatory: Yes/No.
- (d): Minimum five years.
- (e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

31. General evaluation*: Echinococcus spp.

1. History of the disease and/or infection in the country^(a)

In 80s many regions started to set up a control programme based in control of animal echinococcosis and in general people health education and focused in professionals related with animals and at school level. Similar control programmes have been developed in other Autonomous Communities. The implementation of these control programmes got good results in the decrease of the incidence of the disease. Routine post-mortem examination at slaughterhouse has being carried out according to European legislation in force (Hygiene Package).

2. Evaluation of status, trends and relevance as a source for humans

Control programmes in endemic regions got good results in the decrease of the disease at human level. Main source of infection in Spain is cycle between sheep,dog and humans. The epidemiological surveillance of human CE was initiated in the 1950s by the provincial health government authorities, through an active search of cases with individualized information. In 2016 the number of reported human cases was 112

3. Any recent specific action in the Member State or suggested for the European Union^(b)

Human echinococcosis was a notifiable disease in some Spanish regions, according to the Royal Decree 2210/1995, laying down National Epidemiological Surveillance Network. , Since 2015 it is a mandatory disease in all the Spanish regions according to the Ministerial Order SSI/445/2015.

Surveillance according to Directive 2003/99/EEC. Control programmes in endemic regions. Inclusion in National Epidemiology Surveillance Network according to Royal Decree 2210/1995. The control activities in foodstuffs are made according to Regulation (EC) 178/2002. (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and

distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.
4. Additional information
Spanish legislation on Echinococcus in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents
<p>* For each zoonotic agent</p> <p>(a): Epidemiological evaluation (trends and sources) over time until recent/current situation for the different relevant matrixes (food, feed, animal). If relevant: the official "disease status" to be specified for the whole country and/or specific regions within the country</p> <p>(b): If applicable</p>

32. Description of Monitoring/Surveillance/Control programmes system*: Echinococcus spp. in foodstuff

1. Monitoring/Surveillance/Control programmes system^(a)
<p>Regional health authorities have performed official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety</p> <p>Additionally, in Spain, the control of Echinococcus in food is carried out according to program 4 of the Multiannual National Control Plan (MANCP), related to daily control in slaughterhouses, control of game handling establishments and fighting cattle cutting plants.</p> <p>For more information on this plan, please refer to the following link: http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm</p>
2. Measures in place^(b)
<p>The measures are carried out according to program 4 of the Multiannual National Control Plan (MANCP), related to daily control in slaughterhouses, control of game handling establishments and fighting cattle cutting plants.</p> <p>For more information on this plan, please refer to the following link: http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm</p>
3. Notification system in place to the national competent authority^(c)
Yes. Please refer to Prevalence Tables
4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)
<p>Results of investigations are published in the Annual Report of Program 4 of the Multiannual National Control Plan (MANCP) related to daily control in slaughterhouses, control of game handling establishments and fighting cattle cutting plants. Available at: http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/detalle/revision_sistema_control.htm</p>
5. Additional information
The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and

distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

Spanish legislation on Echinococcus in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents.

*** For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent**

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

33. General evaluation*: Lyssavirus (rabies)

1. History of the disease and/or infection in the country^(a)

Paralytic and furious forms of rabies are described in the second book of the Hunting Agreement in the time of King Alfonso XI (1312-1350). The Royal Assembly of Health publication of 23 November 1786 adopted measures to avoid transmission of rabies controlling movement of dogs and cats. Royal Order of 1863 describes "measures of preservation that one has to follow in each case where the bite has been from a supposed rabid animal" and also set down the measures against rabies in animals, which were to be adopted by Local Authorities. At the beginning of the 20th century the Law of 18 December 1914 and Regulation of 4 June 1915 are approved to prevent the transmission of human. On 12 May 1947 the Ministry of Agriculture issued a General Order establishing the measures to be taken against rabies and a second Order of 1948 established the norms for animal vaccination and control. During the 1950s the first mass dog vaccination campaigns took place. The Epizootics Law of 20 December 1952 established the general regulation

2. Evaluation of status, trends and relevance as a source for humans

Since 1978 Spanish mainland and islands remains free of rage in terrestrial mammals. Only a few cases of EBL have been reported in bats. These data show that the main source and risk for the apparition of cases of rabies in Spain is the importation of animals with the infection from Morocco and other countries of North Africa.

Since 1975 no human cases with origin in peninsular territory and islands have been reported.

In 2014, a fatal human case was imported from Morocco. The patient was a 46-year-old woman who was bitten by a dog while she was visiting her relatives in Morocco. She visited the hospital in Spain several months after the bite. The diagnosis was performed by the Spanish National Reference Laboratory on 30 April. The strain identified was similar to those circulating in North-Africa. The patient died on 20 May.

3. Any recent specific action in the Member State or suggested for the European Union^(b)

Compulsory surveillance of the disease according to article 4 of Directive 2003/99/EEC, came into force by Royal Decree 1940/2004. Compulsory vaccination of dogs in 12 autonomous communities, Ceuta and Melilla. Voluntary in the rest. Studies including active surveillance of LB-1 in bats. Information to the citizens about no manipulation of bats. An Action Plan has been approved, and includes risk evaluation, surveillance, mechanisms to control and a response protocol with four alert levels.

At human level rabies is a notifiable disease according to Royal Decree 2210/1995, laying down the National Epidemiological Surveillance Network.

4. Additional information

*** For each zoonotic agent**

(a): Epidemiological evaluation (trends and sources) over time until recent/current situation for the different relevant matrixes (food, feed, animal). If relevant: the official "disease status" to be specified for the whole country and/or specific regions within the country

(b): If applicable

34. Description of Monitoring/Surveillance/Control programmes system*: Lyssavirus (rabies) in animal - Dogs

1. Monitoring/Surveillance/Control programmes system^(a)

Monitoring system

Sampling strategy

Sampling strategy is targeted at 4 levels:

1. Apparently healthy terrestrial mammals that injure a person and die into the quarantine (kept under observation) period of 14 days or if the animal is suspected to be rabid (euthanasia). Samples are taken by competent authority.

Passive surveillance 2. Dogs and cats imported from third countries not included in part 1 and 2 of Annex II of Council Regulation (EC) No 577/2013 need a neutralising antibody titration at least equal to 0,5 IU/ml carried out in an approved laboratory to enter into Spain according to Council Regulation (EC) No 576/2013

3. Dogs and cats that are going to travel to United Kingdom, Ireland, Sweden, Norway and Malta. Samples are taken by private clinics and analysis performed by an approved laboratory

4. Studies including active surveillance of LB in bats

Frequency of the sampling

Indeterminate

Type of specimen taken

Brain, Blood, Saliva

Methods of sampling (description of sampling techniques)

Brain of dead or sacrificed animals have to be sent to National Reference Laboratory following a protocol of sending. The sample has to be taken with sterility, be submerged in saline serum and glycerine in 50% solution and send refrigerated quickly. Blood and serum (0,5 ml minimum) have to be sent following a protocol, by a quick transport service refrigerated or frozen.

Case definition

According to Decision No. 2119/98/EC of the European Parliament and of the Council, Commission Decision 2002/253/EC and Commission Decision 2002/543/EC

<p><u>Diagnostic/analytical methods used</u> Fluorescent Antibody Test (FAT), Polymerase Chain Reaction followed by DNA sequencing genomic areas, ELISA</p>
<p>2. Measures in place^(b)</p> <p><u>Vaccination policy</u> Compulsory vaccination of dogs in 12 regions, Ceuta and Melilla. Voluntary vaccination of dogs in 5 regions.</p> <p><u>Other preventive measures than vaccination in place</u> Control of animals coming from third countries not included in part 1 and 2 of Annex II of Council Regulation (EC) No 577/2013 Identification and registration of dogs. Pick up of stray dogs by council town authorities.</p> <p><u>Control program/mechanisms</u> The control program/strategies in place Several regional prevention programmes. Control of imports and exports according to Council Regulation(EC) No 576/2013 and Regulation(EC) No 577/2013</p> <p><u>Recent actions taken to control the zoonoses</u> Imports of third countries not included in part 1 and 2 of Annex II of Council Regulation(EC) No 577/2013 An Action Plan has been approved in 2010, and includes risk evaluation, surveillance, mechanisms to control and a response protocol with four alert levels.</p> <p><u>Measures in case of the positive findings or single cases</u> Spanish National Contingency Plan against rabies.</p>
<p>3. Notification system in place to the national competent authority^(c)</p> <p>Since 1952, at least, by Epizootic Law. At the moment by Animal Health Law 8/2003.</p>
<p>4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)</p> <p>In Spain, there have not been any cases of rabies in dogs since 1978. There have been 3 cases of imported stray dogs in Melilla.</p>
<p>5. Additional information</p> <p><u>Investigations of the human contacts with positive cases</u> All the people bitten by a suspected animal are investigated following the protocol " Rules of procedures in case of animal aggressions", published in 2012 (Spanish Contingency Plan). According to the epidemiological situation and the type of contact with the suspected animal, the decision about the application of complete treatment (vaccine and Ig) is taken.</p> <p>In 2013 was updated the protocol " Rules of procedures in case of animal aggressions", that includes risk assessment, actions to be taken after a risk exposition and treatment after a risk exposition and the "Action Plan for rabies in animals" that includes risk evaluation, surveillance, mechanisms to control and a response protocol with four alert levels.</p>

*** For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent**

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

35. General evaluation*: *Coxiella burnetii* (Q fever)

1. History of the disease and/or infection in the country^(a)

Q fever is a zoonosis with widely extended in the world

2. Evaluation of status, trends and relevance as a source for humans

In 2016 the number of reported human cases was 344.

3. Any recent specific action in the Member State or suggested for the European Union^(b)

Q fever cases and outbreak in Spain are reported to the National Epidemiological Surveillance Network.

At human level Q fever is a notifiable disease according to the Ministerial Order SSI/445/2015 that update the Royal Decree 2210/1995, laying down National Epidemiological Surveillance Network.

Positive herd with at least 1 animal confirmed by PCR.

4. Additional information

*** For each zoonotic agent**

(a): Epidemiological evaluation (trends and sources) over time until recent/current situation for the different relevant matrixes (food, feed, animal). If relevant: the official "disease status" to be specified for the whole country and/or specific regions within the country

(b): If applicable

36. General evaluation*: *Toxoplasma* spp.

1. History of the disease and/or infection in the country^(a)

Toxoplasmosis in production animals has been associated classically to the production of miscarriage. The main source of infection is linked to the contamination of feed by cat faeces, although the use of dung in pasture natural fertilization has to be considered as an important source of infection for adults. For humans, there are two main sources of infection: contact with cats and consumption of vegetables, water or animal products, mainly sheep and pig meat. In 60's and 70's studies in some regions of Spain detected prevalence between 12-45% in sheep; between 11- 42% in pig; and between 14-36% in cattle. More recent studies seem prevalence between 30-57% in sheep; between 41-62% in pig; and between 25-43% in cattle. In cats, the incidence founded by private clinics are close to 30%.

2. Evaluation of status, trends and relevance as a source for humans

Main sources of infection for humans are cats and consumption of meat insufficient cooked. In 2016 the number of reported human cases of congenital toxoplasmosis was 5.

3. Any recent specific action in the Member State or suggested for the European Union^(b)

Surveillance according to Directive 2003/99/EC. Primary prevention of the disease with recommendations to prevent infection during pregnancy in Humans

4. Additional information

More studies need to be developed about incidence of congenital toxoplasmosis

* For each zoonotic agent

(a): Epidemiological evaluation (trends and sources) over time until recent/current situation for the different relevant matrixes (food, feed, animal). If relevant: the official "disease status" to be specified for the whole country and/or specific regions within the country

(b): If applicable

37. General evaluation: Verotoxigenic *Escherichia coli* (VTEC)

1. History of the disease and/or infection in the country^(a)

Verotoxigenic *Escherichia coli* have emerged as foodborne pathogens which can cause severe and potentially fatal illness. Ruminants, specially cattle and sheep, have been implicated as the principal reservoir of VTEC. Transmission happened through consumption of undercooked meat, unpasteurized dairy products, vegetables or water contaminated by ruminant faeces. In 2007-2011 and 2013 national active monitoring programmes have been performed in young cattle 1-2 years old at slaughterhouse under a herd based approach. The next monitoring programme will be implemented in 2015.

2. Evaluation of status, trends and relevance as a source for humans

In cattle, the percentage of animals colonized by strain O157:H7 has been similar in last monitoring programmes. Raw beef products are the main source of infection. Small ruminants may also represent a source of transmission of VTEC to humans.

3. Any recent specific action in the Member State or suggested for the European Union^(b)

Surveillance of the disease according to Directive 2003/99/EEC. National monitoring programmes 2007-2011 and 2013 in young cattle 1-2 years old, and in 2017 in calves under 1 year. Compulsory and voluntary monitoring programmes in raw meat of different species of animals, minced meat and meat products, other animal origin products, vegetables and others products.

The control activities in foodstuffs are made according to Regulation (EC) 178/2002. (I.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

4. Additional information

Diagnostic methods used in food:- Bacteriological method: ISO 16.654:2001.- Method ELISA- PCR-Bax
Spanish legislation on Verotoxigenic Escherichia coli (VTEC) in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents

*** For each zoonotic agent**

(a): Epidemiological evaluation (trends and sources) over time until recent/current situation for the different relevant matrixes (food, feed, animal). If relevant: the official "disease status" to be specified for the whole country and/or specific regions within the country

(b): If applicable

38. Description of Monitoring/Surveillance/Control programmes system*: Verotoxigenic E. coli (VTEC) in animal - Cattle (bovine animals)

1. Monitoring/Surveillance/Control programmes system^(a)

Monitoring system

Sampling strategy

Samples have been taken randomly (day of sampling each month) in 23 slaughterhouses (distribution of the number of samples according to the capacity of sacrifice of each slaughterhouse) placed in different regions of Spain and representative of the total volume of sacrifice of the country (around 60,24%) in the year 2017.

Frequency of the sampling

Animals at slaughter (herd based approach), monthly, each two years..

Type of specimen taken

Hair

Methods of sampling (description of sampling techniques)

Abrasive sponges

Diagnostic/analytical methods used

ISO 13136:2010, PCR

2. Measures in place^(b)

Vaccination policy

Does not exist.

Control program/mechanisms

Does not exist.

The monitoring programme will be implemented each 2 years. The, the next monitoring programme will be performed in 2019.
3. Notification system in place to the national competent authority^(c)
4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)
Number of slaughter batches analysed: 127 Positive: 40 VTEC in 2017.
5. Additional information
<p>* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent</p> <p>(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.</p> <p>(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.</p> <p>(c): Mandatory: Yes/No.</p> <p>(d): Minimum five years.</p> <p>(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).</p>

39. Description of Monitoring/Surveillance/Control programmes system*: non-pathogenic E coli in foodstuff

1. Monitoring/Surveillance/Control programmes system^(a)

Regional health authorities have performed official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety

Additionally, in Spain, the control of non-pathogenic E coli in food is carried out according to program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety.

For more information on this plan, please refer to the following link:

http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm

2. Measures in place^(b)

The measures are carried out according to program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety

For more information on this plan, please refer to the following link:

http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm

3. Notification system in place to the national competent authority^(c)
Yes. Please refer to Prevalence Tables
4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)
Results of investigations are published in the Annual Report of Program 11 of the Multiannual National Control Plan (MANCP) related to Control of microbiological criteria for food safety. Available at: http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/detalle/revision_sistema_control.htm
5. Additional information
The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.
As a zoonotic agent or its toxin included in Regulation (UE) 2073/2005, this control is performed at all steps of the food chain and to all foodstuffs required.
* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent
(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
(c): Mandatory: Yes/No.
(d): Minimum five years.
(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

40. Description of Monitoring/Surveillance/Control programmes system*: Verotoxigenic Escherichia coli (VTEC) in foodstuff

1. Monitoring/Surveillance/Control programmes system^(a)
Regional health authorities have performed official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety
Additionally, in Spain, the control of VTEC in food is carried out according to program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety. For more information on this plan, please refer to the following link: http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm
2. Measures in place^(b)
The measures are carried out according to program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety For more information on this plan, please refer to the following link:

http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm
3. Notification system in place to the national competent authority^(c)
Yes. Please refer to Prevalence Tables
4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)
Results of investigations are published in the Annual Report of Program 11 of the Multiannual National Control Plan (MANCP) related to Control of microbiological criteria for food safety. Available at: http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/detalle/revision_sistema_control.htm
5. Additional information
The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year. As a zoonotic agent or its toxin included in Regulation (UE) 2073/2005, this control is performed at all steps of the food chain and to all foodstuffs in compliance with the microbiological criteria laid down in the aforementioned Regulation. Spanish legislation on VTEC in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents
* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent
(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website. (b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website. (c): Mandatory: Yes/No. (d): Minimum five years. (e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

41. Description of Monitoring/Surveillance/Control programmes system*: Histamine in foodstuff

1. Monitoring/Surveillance/Control programmes system^(a)
Regional health authorities have performed official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety Additionally, in Spain, the control of histamine in food is carried out according to program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety. For more information on this plan, please refer to the following link: http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm
2. Measures in place^(b)

The measures are carried out according to program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety
For more information on this plan, please refer to the following link:
http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm

3. Notification system in place to the national competent authority^(c)

Yes. Please refer to Prevalence Tables

4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

Results of investigations are published in the Annual Report of Program 11 of the Multiannual National Control Plan (MANCP) related to Control of microbiological criteria for food safety. Available at:
http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/detalle/revision_sistema_control.htm

5. Additional information

The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

As a zoonotic agent or its toxin included in Regulation (UE) 2073/2005, this control is performed at all steps of the food chain and to all foodstuffs required.

* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent

- (a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
- (b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
- (c): Mandatory: Yes/No.
- (d): Minimum five years.
- (e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

42. Description of Monitoring/Surveillance/Control programmes system*: Cronobacter in foodstuff

1. Monitoring/Surveillance/Control programmes system^(a)

Regional health authorities have performed official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety

Additionally, in Spain, the control of Cronobacter in food is carried out according to program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety.

For more information on this plan, please refer to the following link:

http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm

2. Measures in place^(b)
The measures are carried out according to program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety For more information on this plan, please refer to the following link: http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm
3. Notification system in place to the national competent authority^(c)
Yes. Please refer to Prevalence Tables
4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)
Results of investigations are published in the Annual Report of Program 11 of the Multiannual National Control Plan (MANCP) related to Control of microbiological criteria for food safety. Available at: http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/detalle/revision_sistema_control.htm
5. Additional information
The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year. As a zoonotic agent or its toxin included in Regulation (UE) 2073/2005, this control is performed at all steps of the food chain and to all foodstuffs required.
* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent (a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website. (b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website. (c): Mandatory: Yes/No. (d): Minimum five years. (e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

43. Description of Monitoring/Surveillance/Control programmes system*: Staphylococcus in foodstuff

1. Monitoring/Surveillance/Control programmes system^(a)
Regional health authorities have performed official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety Additionally, in Spain, the control of Staphylococcus in food is carried out according to program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety. For more information on this plan, please refer to the following link: http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm

2. Measures in place^(b)
The measures are carried out according to program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety For more information on this plan, please refer to the following link: http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm
3. Notification system in place to the national competent authority^(c)
Yes. Please refer to Prevalence Tables
4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)
Results of investigations are published in the Annual Report of Program 11 of the Multiannual National Control Plan (MANCP) related to Control of microbiological criteria for food safety. Available at: http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/detalle/revision_sistema_control.htm
5. Additional information
The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year. As a zoonotic agent or its toxin included in Regulation (UE) 2073/2005, this control is performed at all steps of the food chain and to all foodstuffs required.
* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent (a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website. (b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website. (c): Mandatory: Yes/No. (d): Minimum five years. (e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

44. Description of Monitoring/Surveillance/Control programmes system*: Bacillus cereus in foodstuff

1. Monitoring/Surveillance/Control programmes system^(a)
Regional health authorities have performed official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety Additionally, in Spain, the control of Bacillus cereus in food is carried out according to program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety. For more information on this plan, please refer to the following link:

http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm
2. Measures in place^(b)
The measures are carried out according to program 11 of the Multiannual National Control Plan (MANCP), related to Control of microbiological criteria for food safety For more information on this plan, please refer to the following link: http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm
3. Notification system in place to the national competent authority^(c)
Yes. Please refer to Prevalence Tables
4. Results of investigations and national evaluation of the situation, the trends^(d) and sources of infection^(e)
Results of investigations are published in the Annual Report of Program 11 of the Multiannual National Control Plan (MANCP) related to Control of microbiological criteria for food safety. Available at: http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/detalle/revision_sistema_control.htm
5. Additional information
The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year. As a zoonotic agent or its toxin included in Regulation (UE) 2073/2005, this control is performed at all steps of the food chain and to all foodstuffs required.
* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent (a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website. (b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website. (c): Mandatory: Yes/No. (d): Minimum five years. (e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

45. Description of Monitoring/Surveillance/Control programmes system*: Marine biotoxins in foodstuff

1. Monitoring/Surveillance/Control programmes system^(a)

Regional health authorities have performed official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety

<p>Additionally, in Spain, the control of marine biotoxins in food is carried out according to program 14 of the Multiannual National Control Plan (MANCP), related to Control of marine biotoxins in foodstuffs. For more information on this plan, please refer to the following link: http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm</p>
<p>2. Measures in place^(b)</p> <p>The measures are carried out according to program 14 of the Multiannual National Control Plan (MANCP), related to Control of marine biotoxins in foodstuffs. For more information on this plan, please refer to the following link: http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/seccion/pncoca.htm</p>
<p>3. Notification system in place to the national competent authority^(c)</p> <p>Yes. Please refer to Prevalence Tables</p>
<p>4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)</p> <p>Results of investigations are published in the Annual Report of Program 14 of the Multiannual National Control Plan (MANCP) related to Control of marine biotoxins in foodstuffs . Available at: http://www.aecosan.msssi.gob.es/AECOSAN/web/seguridad_alimentaria/detalle/revision_sistema_control.htm</p>
<p>5. Additional information</p> <p>The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.</p>
<p>* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent</p> <p>(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.</p> <p>(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.</p> <p>(c): Mandatory: Yes/No.</p> <p>(d): Minimum five years.</p> <p>(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).</p>

46. Description of Monitoring/Surveillance/Control programmes system*: Clostridium botulinum

1. Monitoring/Surveillance/Control programmes system^(a)

Regional health authorities have performed official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety

2. Measures in place^(b)
3. Notification system in place to the national competent authority^(c)
Yes. Please refer to Prevalence Tables
4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)
5. Additional information
The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.
Spanish legislation on Clostridium in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents
* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent
(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
(c): Mandatory: Yes/No.
(d): Minimum five years.
(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

47. Description of Monitoring/Surveillance/Control programmes system*: Cisticercus spp.

1. Monitoring/Surveillance/Control programmes system^(a)
Regional health authorities have performed official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety
2. Measures in place^(b)
3. Notification system in place to the national competent authority^(c)
Yes. Please refer to Prevalence Tables
4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

<p>5. Additional information</p> <p>The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.</p> <p>Spanish legislation on Cisticercus in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents</p>
<p>* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent</p> <p>(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.</p> <p>(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.</p> <p>(c): Mandatory: Yes/No.</p> <p>(d): Minimum five years.</p> <p>(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).</p>

<p>48. Description of Monitoring/Surveillance/Control programmes system*: Criptosporidium spp.</p>
<p>1. Monitoring/Surveillance/Control programmes system^(a)</p> <p>Regional health authorities have performed official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety</p>
<p>2. Measures in place^(b)</p>
<p>3. Notification system in place to the national competent authority^(c)</p> <p>Yes. Please refer to Prevalence Tables</p>
<p>4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)</p>
<p>5. Additional information</p> <p>The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.</p> <p>Spanish legislation on Criptosporidium in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents</p>

*** For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent**

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

49. Description of Monitoring/Surveillance/Control programmes system*: Hepatitis A virus

1. Monitoring/Surveillance/Control programmes system^(a)

Regional health authorities have performed official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety

2. Measures in place^(b)

3. Notification system in place to the national competent authority^(c)

Yes. Please refer to Prevalence Tables

4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

5. Additional information

The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

Spanish legislation on Hepatitis A virus in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents

*** For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent**

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

50. Description of Monitoring/Surveillance/Control programmes system*: Calicivirus (including Norovirus)

1. Monitoring/Surveillance/Control programmes system^(a)

Regional health authorities have performed official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety

2. Measures in place^(b)

3. Notification system in place to the national competent authority^(c)

Yes. Please refer to Prevalence Tables

4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

5. Additional information

The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

Spanish legislation on Calicivirus in foodstuff: Royal Decree 1940/2004 of September 27th, relative to surveillance of zoonoses and zoonotic agents

* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

51. Description of Monitoring/Surveillance/Control programmes system*: Giardia

1. Monitoring/Surveillance/Control programmes system^(a)

Regional health authorities have performed official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety

2. Measures in place^(b)
3. Notification system in place to the national competent authority^(c)
Yes. Please refer to Prevalence Tables
4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)
5. Additional information
The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.
<p>* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent</p> <p>(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.</p> <p>(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.</p> <p>(c): Mandatory: Yes/No.</p> <p>(d): Minimum five years.</p> <p>(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).</p>

52. Description of Monitoring/Surveillance/Control programmes system*: *Erysipelothrix rhusiopathiae*

1. Monitoring/Surveillance/Control programmes system^(a)
Regional health authorities have performed official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety
2. Measures in place^(b)
3. Notification system in place to the national competent authority^(c)
Yes. Please refer to Prevalence Tables
4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)
5. Additional information
The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and

distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

*** For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent**

- (a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
- (b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.
- (c): Mandatory: Yes/No.
- (d): Minimum five years.
- (e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

53. Description of Monitoring/Surveillance/Control programmes system*: Shigella

1. Monitoring/Surveillance/Control programmes system^(a)

Regional health authorities have performed official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety

2. Measures in place^(b)

3. Notification system in place to the national competent authority^(c)

Yes. Please refer to Prevalence Tables

4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)

5. Additional information

The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

*** For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent**

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

54. Description of Monitoring/Surveillance/Control programmes system*: Vibrio

1. Monitoring/Surveillance/Control programmes system^(a)

Regional health authorities have performed official control according to Article 14 of Regulation (EC) N° 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety

2. Measures in place^(b)

3. Notification system in place to the national competent authority^(c)

Yes. Please refer to Prevalence Tables
4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)
5. Additional information
The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.
<p>* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent</p> <p>(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.</p> <p>(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.</p> <p>(c): Mandatory: Yes/No.</p> <p>(d): Minimum five years.</p> <p>(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).</p>

55. Description of Monitoring/Surveillance/Control programmes system*: Pathogenic Enterococcus
1. Monitoring/Surveillance/Control programmes system^(a)
Regional health authorities have performed official control according to Article 14 of Regulation (EC) N ^o 178/2002 of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety
2. Measures in place^(b)
3. Notification system in place to the national competent authority^(c)
Yes. Please refer to Prevalence Tables
4. Results of investigations and national evaluation of the situation, the trends ^(d) and sources of infection^(e)
5. Additional information
The control activities in foodstuffs are carried out according to Regulation (EC) 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs). These activities must be established at all stages of production, processing and distribution. To this end, business operators are required to apply appropriate systems and procedures. Sampling is distributed evenly throughout the year.

* For all combinations of zoonotic agents and matrix (Food, Feed and Animals) for 'Prevalence' and 'Disease Status': one text form reported per each combination of matrix/zoonoses or zoonotic agent

(a): Sampling scheme (sampling strategy, frequency of the sampling, type of specimen taken, methods of sampling (description of sampling techniques) + testing scheme (case definition, diagnostic/analytical methods used, diagnostic flow (parallel testing, serial testing) to assign and define cases. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(b): The control program/strategies in place, including vaccination if relevant. If applicable a description of how eradication measures are/were implemented, measures in case of the positive findings or single cases; any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation, if applicable. If programme approved by the EC, please provide link to the specific programme in the Commission's website.

(c): Mandatory: Yes/No.

(d): Minimum five years.

(e): Relevance of the findings in animals to findings in foodstuffs and for human cases (as a source of infection).

56. Food-borne Outbreaks

1. System in place for identification, epidemiological investigations and reporting of food-borne outbreaks

The National Epidemiological Surveillance Network was created by Royal Decree 2210/1995, December 25th. The outbreak system is a basic system within this Network. The reporting of a summary of every investigated outbreak is mandatory. All the outbreaks must be reported immediately at the regional level. At national level it is mandatory to report immediately only those outbreaks which, by law, are defined as being supra-regional (considered to be of national interest), whereas the rest of the outbreaks has to be quarterly reported.

2. Description of the types of outbreaks covered by the reporting

The Spanish System covers all type of outbreaks (household, general and international outbreaks) and due to any agent (infectious, toxins...)

3. National evaluation of the reported outbreaks in the country^(a)

In 2015 a total of 502 food-borne outbreaks (producing 5,429cases) have been reported to the National Epidemiological Surveillance Network in Spain.

4. Descriptions of single outbreaks of special interest

Salmonella is the agent more frequently involved in foodborne outbreak. The most frequent food item mentioned was eggs and eggs products.

5. Control measures or other actions taken to improve the situation

Outbreak investigations as well as necessary control measures are carried out by the health authorities of the regions. The most frequently mentioned control measures are food establishment inspection and food safety education

6. Any specific action decided in the Member State or suggested for the European Union as a whole on the basis of the recent/current situation

7. Additional information

Information about places of food production and preparation is not available. In general outbreaks the place of consumption of the food was, mainly, "Restaurant or Cafe or Pub or Bar or Hotel or Catering service". The most frequently mentioned contributory factor is the inadequate chilling.

(a): Trends in numbers of outbreaks and numbers of human cases involved, relevance of the different causative agents, food categories and the agent/food category combinations, relevance of the different type of places of food production and preparation in outbreaks, evaluation of the severity of the human cases.

57. Institutions and laboratories involved in antimicrobial resistance monitoring and reporting

MAPAMA, Spanish Ministry of Agriculture and Fish, environment and Food, through the Sub directorate General for Animal Health, Hygiene and Traceability is the central competent authority for the monitoring and reporting AMR in primary production.

AECOSAN, through the Sub-directorate General for Co-ordination of Alerts and Official Control Programmes, is the central competent authority for the monitoring and reporting AMR in food.

The **Central Veterinary Laboratory (CVL)** of MAPAMA the National Reference Laboratories (NRLs) for AMR in primary production is involved in antimicrobial susceptibility testing (AST) of relevant isolates.

The **National Food Centre (CNA)** of AECOSAN the National Reference Laboratories (NRLs) for AMR in food is involved in antimicrobial susceptibility testing (AST) of relevant isolates.

MAPAMA has designated a laboratory affiliated to the University (**VISAVET**) to perform sampling, isolation, AST and other activities in the area of AMR.

Short description of the institutions and laboratories involved in data collection and reporting

58. General Antimicrobial Resistance Evaluation

1. Situation and epidemiological evolution (trends and sources) regarding AMR to critically important antimicrobials^(a) (CIAs) over time until recent situation

No clear, ascending or descending trend is observed. In Spain, resistance levels are generally high even for critical antibiotics

2. Public health relevance of the findings on food-borne AMR in animals and foodstuffs

The high volume of antibiotics in food-producing animals contributes to the development of antimicrobial-resistant bacteria, particularly in intensive animal production. Antimicrobial-resistant infections in humans can cause longer illnesses, increased frequency of hospitalization, and treatment failures that can result in death. Some types of bacteria have already developed multiresistance, even the critical antibiotics are not the available to treat these infections. For these reasons, this is a crucial problem we need to face in the coming years and more studies are necessary.

3. Recent actions taken to control AMR in food producing animals and food

- Royal Decree 191/2018, which establishes the electronic transmission of data of veterinary prescriptions of antibiotics for animals producing food for human consumption. The main objective of this RD is to obtain the necessary information to know which antibiotics are prescribed in livestock farms and to adopt the necessary measures on the use of antibiotics in veterinary medicine, if it is necessary.

- The animal production sector has made the commitment to reduce the consumption of antibiotics. In order to get that there were established some voluntary programs. It is especially important the "Agreement for Voluntary Reduction of Colistin Consumption in the Porcine Sector", which aims to:

- Reduce the consumption of colistin in swine production. The reduction will be established in sections, with the quantitative target of 5 mg / PCU in the maximum period of three years.

- To control the alternative consumption of antibiotics, avoiding the increase in the consumption of neomycin and / or apramycin as a possible substitution to colistin.

4. Any specific action decided in the Member State or suggestions to the European Union for actions to be taken against food-borne AMR threat

5. Additional information

(a): The CIAs depends on the bacterial species considered and the harmonised set of substances tested within the framework of the harmonised monitoring:

- For *Campylobacter* spp., macrolides (erythromycin) and fluoroquinolones (ciprofloxacin);
- For *Salmonella* and *E. coli*, 3rd and 4th generation cephalosporins (cefotaxime) and fluoroquinolones (ciprofloxacin) and colistin (polymyxin);

59. General Description of Antimicrobial Resistance Monitoring*; *Salmonella* spp. Poultry, unspecified

1. General description of sampling design and strategy^(a)

Sampling strategy used in monitoring

The control programme in place in Spain for monitoring of *Salmonella* spp. Antimicrobial resistance is a National control programme for monitoring AMR according to the Decision 2013/652/EU on the monitoring and reporting of antimicrobial resistance in zoonotic and comensal bacteria.

In 2017 There were collected samples from each population of laying hens, broilers and fattening turkeys sampled in the framework of the national control programmes, established in accordance with Article 5(1) of Regulation (EC) No 2160/2003; the are sent to isolate, to identificate and to perform the antibiogram to the National reference Laboratory (Laboratorio Central de Veterinaria- LCV)

Frequency of the sampling

Periodically through the year to test 170 isolates for antimicrobial susceptibility testing

Type of specimen taken

Laying hens: following point 2.2. of the Annex of Commission Regulation (EC) No 517/2011
Broilers: point 2 of the Annex of Commission Regulation (EC) No 200/2012 of 8 March 2012 implementing Regulation (EC) No 2160/2003 of the European Parliament and of the Council as regards a Community target for the reduction of the prevalence of Salmonella enteritidis and Salmonella typhimurium in broilers.
Turkeys: following points 1 and 2 of the Annex of Commission Regulation (EC) 584/2008 as regards a Community target for the reduction of the prevalence of Salmonella Enteritidis and Salmonella Typhimurium in turkeys.

Methods of sampling (description of sampling techniques)
Laying hens: following point 2.2. of the Annex of Commission Regulation (EC) No 517/2011.
Broilers: point 2 of the Annex of Commission Regulation (EC) No 200/2012 of 8 March 2012 implementing Regulation (EC) No 2160/2003 of the European Parliament and of the Council as regards a Community target for the reduction of the prevalence of Salmonella enteritidis and Salmonella typhimurium in broilers.
Turkeys: following points 1 and 2 of the Annex of Commission Regulation (EC) 584/2008 as regards a Community target for the reduction of the prevalence of Salmonella Enteritidis and Salmonella Typhimurium in turkeys.

Procedures for the selection of isolates for antimicrobial testing

All the strains coming from the official control in the frame of Salmonella National Control Programmes (SNCP) are gathered by the NRL who selects for antimicrobial testing no more than one isolate per salmonella serovar from the same epidemiological unit.
After that, in order to reach 170 isolates for each population, a number of strains coming from business operators in the frame of SNCP are selected and requested by the NRL. The selection is made by using an informatics application developed by MAPAMA and taking into account the even distribution of the strains.

Methods used for collecting data

Spain use an informatics application developed by the Ministry of Agriculture and Fisheries, Food and Environment, where the NRL introduce the data, which are sent to the mentioned Ministry and finally they send them to EFSA by the Data Collection Framework.

2. Stratification procedure per animal population and food category

There were collected samples from each population of laying hens, broilers and fattening turkeys sampled in the framework of the national control programmes, established in accordance with Article 5(1) of Regulation (EC) No 2160/2003; they are sent to isolate, to identify and to perform the antibiogram to the National reference Laboratory (Laboratorio Central de Veterinaria- LCV)

3. Randomisation procedure per animal population and food category

All the strains coming from the official control in the frame of Salmonella National Control Programmes (SNCP) are gathered by the NRL who selects for antimicrobial testing no more than one isolate per salmonella serovar from the same epidemiological unit.

After that, in order to reach 170 isolates for each population, a number of strains coming from business operators in the frame of SNCP are selected and requested by the NRL. The selection is made by using an informatics application developed by MAPAMA and taking into account the even distribution of the strains.

4. Analytical method used for detection and confirmation^(b)

Isolation and identification according to EN/ISO 6579-2002/Amd 1:2007

5. Laboratory methodology used for detection of antimicrobial resistance^(c)

Antimicrobials included in monitoring

ampicillin, azithromycin, cefotaxim, ceftazidim, chloramphenicol, ciprofloxacin, colistin, gentamicin, meropenem, nalidixic acid, sulfamethoxazole, tetracycline, tigecycline, trimethoprim.

Cut-off values used in testing

The results of antibiotics are interpreted using the epidemiological cut-off values and concentration ranges given in Tables 1, 2 and 3 of Decision 2013/652 / EU to determine the sensitivity of Salmonella spp. and E. coli. Dilutions are performed according to the methods described by the European Committee on Antimicrobial Susceptibility Testing (Eucast) and the Clinical and Laboratory Standards Institute (CLSI), accepted as an international reference method (ISO 20776-1: 2006) .EN 14.11.2013 Official Journal of the European Union L 303/33.

6. Results of investigation

Sent through DCF

7. Additional information

*** to be filled in per combination of bacterial species/matrix**

- (a): Method of sampling (description of sampling technique: stage of sampling, type of sample, sampler), Frequency of sampling, Procedure of selection of isolates for susceptibility testing, Method used for collecting data.
- (b): Analytical method used for detection and confirmation: according to the legislation, the protocols developed by the EURL-AR should be used and reported here. In the case of the voluntary specific monitoring on Carbapenemase-producers, the selective media used (commercial plates, 'in house' media) should be also reported here. In general, any variation with regard to the EURL-AR protocols should be stated here, number of isolates isolated per sample, in particular for *Campylobacter* spp..
- (c): Antimicrobials included, Cut-off values

60. General Description of Antimicrobial Resistance Monitoring*; Salmonella spp. in pork meat

1. General description of sampling design and strategy^(a)

Sampling strategy used in monitoring:

The control programme in place in Spain for monitoring of Salmonella Antimicrobial resistance is a National control programme. Sampling is mandatory for the Regional Authorities and voluntary for food business operators.

In 2017 Regional Authorities have collected samples of fresh pork meat at retail and have sent them to the National reference Laboratory (Centro Nacional de Alimentación- CNA) for monitoring AMR according to the Decision 2013/652/EU on the monitoring and reporting of antimicrobial resistance in zoonotic and commensal bacteria.

The activities are made pursuant to Regulation (EC) no 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs must be established at all stages of production, processing and distribution). To this end, business operators are required to apply appropriate systems and procedures.

Sampling frequency:

170 samples per year, distributed in weekly samplings throughout the year and the different regions throughout the country.

Type of specimen taken:

According to the Commission Implementing Decisions 2013/652/EU and 2013/653/EU and Technical specifications, the type of sample taken is fresh pork meat.

Type of sampling:

Food sample meat, prospective sampling

Sampling method:

Samples are taken randomly at retail in a selected number of Autonomous Communities according to an established schedule and technical procedure.

Methods used for data collection:

Spain uses a computer application developed by the Ministry of Agriculture and Fisheries, Food and Environment, where the NRL introduce the data, which are sent to the mentioned Ministry and finally they send them to EFSA by the Data Collection Framework.

2. Stratification procedure per animal population and food category

The criteria for the selection of the autonomous communities assigned to collect the samples are based on the production level of the slaughterhouses in relation to the national production and their geographical situation. Slaughterhouses processing at least 60 % of production in Spain are selected, starting with the slaughterhouses of largest throughput.

3. Randomisation procedure per animal population and food category

Population stratum (nuts-3 area): provincial level. It is carried out in the provinces (nuts) that cover at least 80% of the national population.

Distribution of samples: Samples are proportionally distributed among the 25 most populated provinces (total more than 80% of the population of Spain) belonging to 13 Autonomous Communities.

Predominant establishment category: establishments which supplies at least 80% of the market for these products. In this case it is the supermarket.

Epidemiological unit: product batch. It can be taken up to 5 different lots of the same product in one visit to the establishment.

The competent Authorities of the Autonomous Communities take samples of fresh pork meat in retail trade and the CNA (NRL) isolates Salmonella strains and performs the antibiogram.

<p>4. Analytical method used for detection and confirmation^(b)</p> <p>Detection is performed by public health laboratories in each autonomous community. Confirmation is performed in CNA according to ISO 6579-1 method. Serotyping is carried out at Carlos III Health Institute (CNM-ISCIIII) according to serology methods (Agglutination of somatic, flagellar and capsular antigens assay). Accreditation ENAC 175/LE2125. Based on Standard: UNE-EN ISO/IEC 17025: 2005</p>
<p>5. Laboratory methodology used for detection of antimicrobial resistance^(c)</p> <p><u>Antimicrobials included in monitoring:</u> Ampicillin, azithromycin, cefotaxim, ceftazidim, chloramphenicol, ciprofloxacin, colistin, gentamicin, meropenem, nalidixic acid, sulfamethoxazole, tetracycline, tigecycline, trimethoprim.</p> <p><u>Cut-off values used in testing:</u> The results of antibiotics are interpreted using the epidemiological cut-off values and concentration ranges given in Tables 1, 2 and 3 of Decision 2013/652 / EU to determine the sensitivity of Salmonella spp. and E. coli. Dilutions are performed according to the methods described by the European Committee on Antimicrobial Susceptibility Testing (Eucast) and the Clinical and Laboratory Standards Institute (CLSI), accepted as an international reference method (ISO 20776-1: 2006) .EN 14.11.2013 Official Journal of the European Union L 303/33.</p>
<p>6. Results of investigation</p> <p>Sent through DCF</p>
<p>7. Additional information</p> <p><u>Control programs / strategies put in place:</u> Spain has developed a National Action Plan (PRAN) to prevent and monitor antimicrobial resistance. For more information please refer to: http://www.resistenciaantibioticos.es/es</p>
<p>* to be filled in per combination of bacterial species/matrix</p> <p>(a): Method of sampling (description of sampling technique: stage of sampling, type of sample, sampler), Frequency of sampling, Procedure of selection of isolates for susceptibility testing, Method used for collecting data. (b): Analytical method used for detection and confirmation: according to the legislation, the protocols developed by the EURL-AR should be used and reported here. In the case of the voluntary specific monitoring on Carbapenemase-producers, the selective media used (commercial plates, 'in house' media) should be also reported here. In general, any variation with regard to the EURL-AR protocols should be stated here, number of isolates isolated per sample, in particular for <i>Campylobacter</i> spp.. (c): Antimicrobials included, Cut-off values</p>

61. General Description of Antimicrobial Resistance Monitoring*; Salmonella spp. in fresh meat from bovine < 1 year

<p>1. General description of sampling design and strategy^(a)</p> <p><u>Sampling strategy used in monitoring:</u> The control programme in place in Spain for monitoring of Salmonella Antimicrobial resistance is a National control programme. Sampling is mandatory for the Regional Authorities and voluntary for food business operators.</p> <p>In 2017 Regional Authorities have collected samples of fresh pork meat at retail and have sent them to the National reference Laboratory (Centro Nacional de Alimentación- CNA) for monitoring AMR according to the Decision 2013/652/EU on the monitoring and reporting of antimicrobial resistance in zoonotic and commensal bacteria.</p>

The activities are made pursuant to Regulation (EC) no 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs must be established at all stages of production, processing and distribution). To this end, business operators are required to apply appropriate systems and procedures.

Sampling frequency:

170 samples per year, distributed in weekly samplings throughout the year and the different regions throughout the country.

Type of specimen taken:

According to the Commission Implementing Decisions 2013/652/EU and 2013/653/EU and Technical specifications, the type of sample taken is fresh meat from bovine < 1 year.

Type of sampling:

Food sample meat, prospective sampling

Sampling method:

Samples are taken randomly at retail in a selected number of Autonomous Communities according to an established schedule and technical procedure.

Methods used for data collection:

Spain uses a computer application developed by the Ministry of Agriculture and Fisheries, Food and Environment, where the NRL introduce the data, which are sent to the mentioned Ministry and finally they send them to EFSA by the Data Collection Framework.

2. Stratification procedure per animal population and food category

The criteria for the selection of the autonomous communities assigned to collect the samples are based on the production level of the slaughterhouses in relation to the national production and their geographical situation. Slaughterhouses processing at least 60 % of production in Spain are selected, starting with the slaughterhouses of largest throughput

3. Randomisation procedure per animal population and food category

Population stratum (nuts-3 area): provincial level. It is carried out in the provinces (nuts) that cover at least 80% of the national population.

Distribution of samples: Samples are proportionally distributed among the 25 most populated provinces (total more than 80% of the population of Spain) belonging to 13 Autonomous Communities.

Predominant establishment category: establishments which supplies at least 80% of the market for these products. In this case it is the supermarket.

Epidemiological unit: product batch. It can be taken up to 5 different lots of the same product in one visit to the establishment.

The competent Authorities of the Autonomous Communities take samples of fresh pork meat in retail trade and the CNA (NRL) isolates Salmonella strains and performs the antibiogram.

4. Analytical method used for detection and confirmation^(b)

Detection is performed by public health laboratories in each autonomous community. Confirmation is performed in CNA according to ISO 6579-1 method. Serotyping is carried out at Carlos III Health Institute (CNM-ISCIII) according to serology methods (Agglutination of somatic, flagellar and capsular antigens assay). Accreditation ENAC 175/LE2125. Based on Standard: UNE-EN ISO/IEC 17025: 2005

5. Laboratory methodology used for detection of antimicrobial resistance^(c)

Antimicrobials included in monitoring:

Ampicillin, azithromycin, cefotaxim, ceftazidim, chloramphenicol, ciprofloxacin, colistin, gentamicin, meropenem, nalidixic acid, sulfamethoxazole, tetracycline, tigecycline, trimethoprim.

Cut-off values used in testing:

The results of antibiotics are interpreted using the epidemiological cut-off values and concentration ranges given in Tables 1, 2 and 3 of Decision 2013/652 / EU to determine the sensitivity of *Salmonella* spp. and *E. coli*. Dilutions are performed according to the methods described by the European Committee on Antimicrobial Susceptibility Testing (Eucast) and the Clinical and Laboratory Standards Institute (CLSI), accepted as an international reference method (ISO 20776-1: 2006) .EN 14.11.2013 Official Journal of the European Union L 303/33.

6. Results of investigation

Sent through DCF

7. Additional information

Control programs / strategies put in place:

Spain has developed a National Action Plan (PRAN) to prevent and monitor antimicrobial resistance.

For more information please refer to:

<http://www.resistenciaantibioticos.es/es>

*** to be filled in per combination of bacterial species/matrix**

- (a): Method of sampling (description of sampling technique: stage of sampling, type of sample, sampler), Frequency of sampling, Procedure of selection of isolates for susceptibility testing, Method used for collecting data.
- (b): Analytical method used for detection and confirmation: according to the legislation, the protocols developed by the EURL-AR should be used and reported here. In the case of the voluntary specific monitoring on Carbapenemase-producers, the selective media used (commercial plates, 'in house' media) should be also reported here. In general, any variation with regard to the EURL-AR protocols should be stated here, number of isolates isolated per sample, in particular for *Campylobacter* spp..
- (c): Antimicrobials included, Cut-off values

**62. General Description of Antimicrobial Resistance Monitoring*;
Campylobacter spp. Pigs**

1. General description of sampling design and strategy^(a)

Sampling strategy used in monitoring

The control programme in place in Spain for monitoring of *Campylobacter* spp. Antimicrobial resistance is a National control programme for monitoring AMR according to the Decision 2013/652/EU on the monitoring and reporting of antimicrobial resistance in zoonotic and comensal bacteria.

In 2017 There were collected caecal samples gathered at slaughter from pigs because the production of pig meat in Spain is more than 10 000 tonnes slaughtered per year. A designated laboratory (Centro de Vigilancia Sanitaria Veterinaria. VISAVET) take samples of caecum of pigs in slaughterhouses and isolate them, sometimes they also perform the identification. Then, they send the the isolate o the *Campylobacter* strains to identificate and perform the antibiogram to the National reference Laboratory (Laboratorio Central de Veterinaria- LCV)

Frequency of the sampling

384 samples per year, distributed in weekly samplings throughout the year and the different slaughterhouses throughout the country.

Type of specimen taken

According to the Commission Implementing Decisions 2013/652/EU and 2013/653/EU and Technical specifications, type of samples taken are caecal samples gathered at slaughter from pigs.

Methods of sampling (description of sampling techniques)

Sampling is carried out at 18 slaughterhouses processing 60,66 % of pigs in Spain, starting with the slaughterhouses of largest throughput. Sampling is distributed monthly and the day of sampling is selected randomly.

Procedures for the selection of isolates for antimicrobial testing

176 *C. coli* and 5 *C. jejuni* were isolated and from them 170 isolates of *Campylobacter coli* have been selected randomly, to get an even distribution over the year, to do the AST.

Methods used for collecting data

Spain use an informatics application developed by the Ministry of Agriculture and Fisheries, Food and Environment, where the NRL introduce the data, which are sent to the mentioned Ministry and finally they send them to EFSA by the Data Collection Framework.

2. Stratification procedure per animal population and food category

Previous to start the sampling, A selection of industrial slaughterhouses has been carried out. The criteria for the selection of establishments are based on the production level of the slaughterhouses in relation to the national production and their geographical situation. This way, we select the slaughterhouse processing at least 60 % of production in Spain, starting with the slaughterhouses of largest throughput.

3. Randomisation procedure per animal population and food category

Sampling are proportionally distributed according to the volume of production of each slaughterhouse. Sampling is distributed monthly and the day of sampling is selected randomly. The epidemiological unit is considered the group of animals coming from the same farm slaughtered at the same time, this guaranteed that the isolates in the study are not epidemiologically related.

4. Analytical method used for detection and confirmation^(b)

A sterile swab with the faeces samples is used to inoculate into an agar plate mCCDA (Oxoid). The plates are incubated in microaerophilic at 42° for 48 hours.
Identification by PCR

5. Laboratory methodology used for detection of antimicrobial resistance^(c)

Antimicrobials included in monitoring

ampicillin, azithromycin, cefotaxim, ceftazidim, chloramphenicol, ciprofloxacin, colistin, gentamicin, meropenem, nalidixic acid, sulfamethoxazole, tetracycline, tigecycline, trimethoprim.

Cut-off values used in testing

The results of antibiotics are interpreted using the epidemiological cut-off values and concentration ranges given in Tables 1, 2 and 3 of Decision 2013/652 / EU to determine the sensitivity of Salmonella spp. and E. coli. Dilutions are performed according to the methods described by the European Committee on Antimicrobial Susceptibility Testing (Eucast) and the Clinical and Laboratory Standards Institute (CLSI), accepted as an international reference method (ISO 20776-1: 2006) .EN 14.11.2013 Official Journal of the European Union L 303/33.

6. Results of investigation

Sent through DCF

7. Additional information

* to be filled in per combination of bacterial species/matrix

- (a): Method of sampling (description of sampling technique: stage of sampling, type of sample, sampler), Frequency of sampling, Procedure of selection of isolates for susceptibility testing, Method used for collecting data.
 (b): Analytical method used for detection and confirmation: according to the legislation, the protocols developed by the EURL-AR should be used and reported here. In the case of the voluntary specific monitoring on Carbapenemase-producers, the selective media used (commercial plates, 'in house' media) should be also reported here. In general, any variation with regard to the EURL-AR protocols should be stated here, number of isolates isolated per sample, in particular for *Campylobacter* spp..
 (c): Antimicrobials included, Cut-off values

63. General Description of Antimicrobial Resistance Monitoring*; *Campylobacter* spp. Calves

1. General description of sampling design and strategy^(a)

Sampling strategy used in monitoring

The control programme in place in Spain for monitoring of *Campylobacter* spp. Antimicrobial resistance is a National control programme for monitoring AMR according to the Decision 2013/652/EU on the monitoring and reporting of antimicrobial resistance in zoonotic and comensal bacteria.

In 2017 There were collected caecal samples gathered at slaughter from calves because the production of calve meat in Spain is more than 10 000 tonnes slaughtered per year. A designated laboratory (Centro de Vigilancia Sanitaria Veterinaria. VISAVET) take samples of caecum of pigs in slaughterhouses and isolate them, sometimes they also perform the identification. Then, they send the the isolate o the *Campylobacter* strains to identificate and perform the antibiogram to the National reference Laboratory (Laboratorio Central de Veterinaria- LCV)

Frequency of the sampling

384 samples per year, distributed in weekly samplings throughout the year and the different slaughterhouses throughout the country.

Type of specimen taken

According to the Commission Implementing Decisions 2013/652/EU and 2013/653/EU and Technical specifications, type of samples taken are caecal samples gathered at slaughter from calves.

Methods of sampling (description of sampling techniques)

Sampling is carried out at 23 slaughterhouses processing 60,24 % of calves in Spain, starting with the slaughterhouses of largest throughput. Sampling is distributed monthly and the day of sampling is selected randomly.

Procedures for the selection of isolates for antimicrobial testing

173 C. jejuni and 49 C. Coli were isolated and from them, 170 isolates (132 strains of Campylobacter jejuni and 38 of Campylobacter coli) have been selected randomly, to get an even distribution over the year, for antimicrobial testing.

Methods used for collecting data

Spain use an informatics application developed by the Ministry of Agriculture and Fisheries, Food and Environment, where the NRL introduce the data, which are sent to the mentioned Ministry and finally they send them to EFSA by the Data Collection Framework.

2. Stratification procedure per animal population and food category

Previous to start the sampling, A selection of industrial slaughterhouses has been carried out. The criteria for the selection of establishments are based on the production level of the slaughterhouses in relation to the national production and their geographical situation. This way, we select the slaughterhouse processing at least 60 % of production in Spain, starting with the slaughterhouses of largest throughput.

3. Randomisation procedure per animal population and food category

Sampling are proportionally distributed according to the volume of production of each slaughterhouse. Sampling is distributed monthly and the day of sampling is selected randomly. The epidemiological unit is considered the group of animals coming from the same farm slaughtered at the same time, this guaranteed that the isolates in the study are not epidemiologically related.

4. Analytical method used for detection and confirmation^(b)

A sterile swab with the faeces samples is used to inoculate into an agar plate mCCDA (Oxoid). The plates are incubated in microaerophilic at 42° for 48 hours.
Identification by PCR

5. Laboratory methodology used for detection of antimicrobial resistance^(c)

Antimicrobials included in monitoring

ampicillin, azithromycin, cefotaxim, ceftazidim, chloramphenicol, ciprofloxacin, colistin, gentamicin, meropenem, nalidixic acid, sulfamethoxazole, tetracycline, tigecycline, trimethoprim.

Cut-off values used in testing

The results of antibiotics are interpreted using the epidemiological cut-off values and concentration ranges given in Tables 1, 2 and 3 of Decision 2013/652 / EU to determine the sensitivity of Salmonella

spp. and E. coli. Dilutions are performed according to the methods described by the European Committee on Antimicrobial Susceptibility Testing (Eucast) and the Clinical and Laboratory Standards Institute (CLSI), accepted as an international reference method (ISO 20776-1: 2006) .EN 14.11.2013 Official Journal of the European Union L 303/33.

6. Results of investigation

Sent through DCF

7. Additional information

*** to be filled in per combination of bacterial species/matrix**

- (a): Method of sampling (description of sampling technique: stage of sampling, type of sample, sampler), Frequency of sampling, Procedure of selection of isolates for susceptibility testing, Method used for collecting data.
- (b): Analytical method used for detection and confirmation: according to the legislation, the protocols developed by the EURL-AR should be used and reported here. In the case of the voluntary specific monitoring on Carbapenemase-producers, the selective media used (commercial plates, 'in house' media) should be also reported here. In general, any variation with regard to the EURL-AR protocols should be stated here, number of isolates isolated per sample, in particular for *Campylobacter* spp..
- (c): Antimicrobials included, Cut-off values

64. General Description of Antimicrobial Resistance Monitoring*; Escherichia coli non-pathogenic Calves

1. General description of sampling design and strategy^(a)

Sampling strategy used in monitoring:

The control programme in place in Spain for monitoring of Escherichia coli, non-pathogenic Antimicrobial resistance is a National control programme for monitoring AMR according to the Decision 2013/652/EU on the monitoring and reporting of antimicrobial resistance in zoonotic and commensal bacteria.

In 2017 there were collected caecal samples gathered at slaughter from calves, because the production of calves meat in Spain is more than 10 000 tonnes slaughtered per year. A designated laboratory (Centro de Vigilancia Sanitaria Veterinaria. VISAVET) take samples of caecum of calves in slaughterhouses and isolate them, sometimes they also perform the identification. Then, they send the the isolate o the E.coli strains to identificate and perform the antibiogram to the National reference Laboratory (Laboratorio Central de Veterinaria- LCV)

Sampling frequency:

300 samples per year for ESBL-, AmpC- and carbapenemase-producing Escherichia coli and 200 samples per year for indicator commensal E. coli, distributed in weekly samplings throughout the year and the different slaughterhouses throughout the country.

Type of specimen taken:

According to the Commission Implementing Decisions 2013/652/EU and 2013/653/EU and Technical specifications, type of samples taken are caecal samples gathered at slaughter from fattening turkeys.

Type of sampling/Method of Sampling:

Sampling are proportionally distributed according to the volume of production of each slaughterhouse is carried out at 23 slaughterhouses processing 60,24 % of Calves in Spain, starting with the slaughterhouses of largest throughput. Sampling is distributed monthly and the day of sampling is selected randomly.

Procedures for the selection of isolates for the antimicrobial test:

170 strains of the 200 isolated indicator commensal E. coli were selected randomly, to get an even distribution over the year, to AST.

We have done 300 samples per year for ESBL-, AmpC- and carbapenemase-producing Escherichia coli and we only sent through DCF the positive ones.

Methods used for data collection:

Spain use an informatic application developed by the Ministry of Agriculture and Fisheries, Food and Environment, where the NRL introduce the data, which are sent to the mentioned Ministry and finally they send them to EFSA by the Data Collection Framework.

2. Stratification procedure per animal population and food category

Previous to start the sampling, A selection of industrial slaughterhouses has been carried out. The criteria for the selection of establishments are based on the production level of the slaughterhouses in relation to the national production and their geographical situation. This way, we select the slaughterhouse processing 60 % of production in Spain, starting with the slaughterhouses of largest throughput.

3. Randomisation procedure per animal population and food category

Sampling are proportionally distributed according to the volume of production of each slaughterhouse. Sampling is distributed monthly and the day of sampling is selected randomly. The epidemiological unit is considered the group of animals coming from the same farm slaughtered at the same time, this guaranteed that the isolates in the study are not epidemiologically related.

4. Analytical method used for detection and confirmation^(b)

Inoculation of Agar McConkey and incubation at 37°C during 18-20h.
Identification by PCR

5. Laboratory methodology used for detection of antimicrobial resistance^(c)

Antimicrobials included in monitoring:

ampicillin, azithromycin, cefotaxim, ceftazidim, chloramphenicol, ciprofloxacin, colistin, gentamicin, meropenem, nalidixic acid, sulfamethoxazole, tetracycline, tigecycline, trimethoprim.

Cut-off values used in testing:

The results of antibiotics are interpreted using the epidemiological cut-off values and concentration ranges given in Tables 1, 2 and 3 of Decision 2013/652 / EU to determine the sensitivity of Salmonella spp. and E. coli. Dilutions are performed according to the methods described by the European Committee on Antimicrobial Susceptibility Testing (Eucast) and the Clinical and Laboratory Standards Institute (CLSI), accepted as an international reference method (ISO 20776-1: 2006) .EN 14.11.2013 Official Journal of the European Union L 303/33.

6. Results of investigation

Sent through DCF

7. Additional information

* to be filled in per combination of bacterial species/matrix

- (a): Method of sampling (description of sampling technique: stage of sampling, type of sample, sampler), Frequency of sampling, Procedure of selection of isolates for susceptibility testing, Method used for collecting data.
- (b): Analytical method used for detection and confirmation: according to the legislation, the protocols developed by the EURL-AR should be used and reported here. In the case of the voluntary specific monitoring on Carbapenemase-producers, the selective media used (commercial plates, 'in house' media) should be also reported here. In general, any variation with regard to the EURL-AR protocols should be stated here, number of isolates isolated per sample, in particular for *Campylobacter* spp..
- (c): Antimicrobials included, Cut-off values

65. General Description of Antimicrobial Resistance Monitoring*; Escherichia coli non-pathogenic Pigs

1. General description of sampling design and strategy^(a)

Sampling strategy used in monitoring:

The control programme in place in Spain for monitoring of Escherichia coli, non-pathogenic Antimicrobial resistance is a National control programme for monitoring AMR according to the Decision 2013/652/EU on the monitoring and reporting of antimicrobial resistance in zoonotic and commensal bacteria.

In 2017 There were collected caecal samples gathered at slaughter from pigs, because the production of pig meat in Spain is more than 10 000 tonnes slaughtered per year. A designated laboratory (Centro de Vigilancia Sanitaria Veterinaria. VISAVET) take samples of caecum of pigs in slaughterhouses and isolate them, sometimes they also perform the identification. Then, they send the the isolate o the E.coli strains to identificate and perform the antibiogram to the National reference Laboratory (Laboratorio Central de Veterinaria- LCV)

Sampling frequency:

300 samples per year for ESBL-, AmpC- and carbapenemase-producing Escherichia coli and 200 samples per year for indicator commensal E. coli, distributed in weekly samplings throughout the year and the different slaughterhouses throughout the country.

Type of specimen taken:

According to the Commission Implementing Decisions 2013/652/EU and 2013/653/EU and Technical specifications, type of samples taken are caecal samples gathered at slaughter from pigs.

Method of Sampling:

Sampling are proportionally distributed according to the volume of production of each slaughterhouse is carried out at 18 slaughterhouses processing 60,66 % of pigs in Spain, starting with the slaughterhouses of largest throughput. Sampling is distributed monthly and the day of sampling is selected randomly.

Procedures for the selection of isolates for the antimicrobial test:

170 strains of the 200 isolated indicator commensal E. coli were selected randomly, to get an even distribution over the year, to AST.

We have done 300 samples per year for ESBL-, AmpC- and carbapenemase-producing Escherichia coli and we only sent through DCF the positive ones.

Methods used for data collection:

Spain use an informatic application developed by the Ministry of Agriculture and Fisheries, Food and Environment, where the NRL introduce the data, which are sent to the mentioned Ministry and finally they send them to EFSA by the Data Collection Framework.

2. Stratification procedure per animal population and food category

Previous to start the sampling, A selection of industrial slaughterhouses has been carried out. The criteria for the selection of establishments are based on the production level of the slaughterhouses in relation to the national production and their geographical situation. This way, we select the slaughterhouse processing 60 % of production in Spain, starting with the slaughterhouses of largest throughput.

3. Randomisation procedure per animal population and food category

Sampling are proportionally distributed according to the volume of production of each slaughterhouse. Sampling is distributed monthly and the day of sampling is selected randomly. The epidemiological unit is considered the group of animals coming from the same farm slaughtered at the same time, this guaranteed that the isolates in the study are not epidemiologically related.

4. Analytical method used for detection and confirmation^(b)

Inoculation of Agar McConkey and incubation at 37°C during 18-20h.
Identification by PCR

5. Laboratory methodology used for detection of antimicrobial resistance^(c)

Antimicrobials included in monitoring:

ampicillin, azithromycin, cefotaxim, ceftazidim, chloramphenicol, ciprofloxacin, colistin, gentamicin, meropenem, nalidixic acid, sulfamethoxazole, tetracycline, tigecycline, trimethoprim.

Cut-off values used in testing:

The results of antibiotics are interpreted using the epidemiological cut-off values and concentration ranges given in Tables 1, 2 and 3 of Decision 2013/652 / EU to determine the sensitivity of Salmonella spp. and E. coli. Dilutions are performed according to the methods described by the European

Committee on Antimicrobial Susceptibility Testing (Eucast) and the Clinical and Laboratory Standards Institute (CLSI), accepted as an international reference method (ISO 20776-1: 2006) .EN 14.11.2013 Official Journal of the European Union L 303/33.

6. Results of investigation

Sent through DCF

7. Additional information

* to be filled in per combination of bacterial species/matrix

- (a): Method of sampling (description of sampling technique: stage of sampling, type of sample, sampler), Frequency of sampling, Procedure of selection of isolates for susceptibility testing, Method used for collecting data.
- (b): Analytical method used for detection and confirmation: according to the legislation, the protocols developed by the EURL-AR should be used and reported here. In the case of the voluntary specific monitoring on Carbapenemase-producers, the selective media used (commercial plates, 'in house' media) should be also reported here. In general, any variation with regard to the EURL-AR protocols should be stated here, number of isolates isolated per sample, in particular for *Campylobacter* spp..
- (c): Antimicrobials included, Cut-off values

66. General Description of Antimicrobial Resistance Monitoring*; *Escherichia coli*, non-pathogenic in pork meat

1. General description of sampling design and strategy^(a)

Sampling strategy used in monitoring:

The control programme in place in Spain for monitoring of Salmonella Antimicrobial resistance is a National control programme. Sampling is mandatory for the Regional Authorities and voluntary for food business operators.

In 2017 Regional Authorities have collected samples of fresh pork meat at retail and have sent them to the National reference Laboratory (Centro Nacional de Alimentación- CNA) for monitoring AMR according to the Decision 2013/652/EU on the monitoring and reporting of antimicrobial resistance in zoonotic and commensal bacteria.

The activities are made pursuant to Regulation (EC) no 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs must be established at all stages of production, processing and distribution). To this end, business operators are required to apply appropriate systems and procedures.

Sampling frequency:

300 samples per year, distributed in weekly samplings throughout the year and the different regions throughout the country.

Type of specimen taken:

According to the Commission Implementing Decisions 2013/652/EU and 2013/653/EU and Technical specifications, the type of sample taken is fresh pork meat.

Type of sampling:

Food sample meat, prospective sampling

Sampling method:

Samples are taken randomly at retail in a selected number of Autonomous Communities according to an established schedule and technical procedure.

Procedures for the selection of isolates for the antimicrobial test:

Inoculate one loop-full (10 µl loop) of the overnight culture (BPW) by applying a single streak onto a MacConkey agar plate containing 1 mg/L cefotaxime (CTX). Reference PROTOCOL for selective isolation of presumptive ESBL-, AmpC- and carbapenemase-producing Escherichia coli from meat and caecal samples (matrix EQAS) Version 4 (2017).

Methods used for data collection:

Spain uses a computer application developed by the Ministry of Agriculture and Fisheries, Food and Environment, where the NRL introduce the data, which are sent to the mentioned Ministry and finally they send them to EFSA by the Data Collection Framework.

2. Stratification procedure per animal population and food category

The criteria for the selection of the autonomous communities to collect the samples are based on the production level of the slaughterhouses in relation to the national production and their geographical situation. Slaughterhouses processing at least 60 % of production in Spain are selected, starting with the slaughterhouses of largest throughput

3. Randomisation procedure per animal population and food category

Population stratum (nuts-3 area): provincial level. It is carried out in the provinces (nuts) that cover at least 80% of the national population.

Distribution of samples: Samples are proportionally distributed among the 25 most populated provinces (total more than 80% of the population of Spain) belonging to 13 Autonomous Communities.

Predominant establishment category: establishments which supplies at least 80% of the market for these products. In this case it is the supermarket.

Epidemiological unit: product batch. It can be taken up to 5 different lots of the same product in one visit to the establishment.

The competent Authorities of the Autonomous Communities take samples of fresh pork meat in retail trade and the CNA (NRL) isolates Salmonella strains and performs the antibiogram.

4. Analytical method used for detection and confirmation^(b)

Laboratory methodology:

EUURL-AR (National Food Institute of Denmark) PROTOCOL for selective isolation of presumptive ESBL-, AmpC- and carbapenemase-producing Escherichia coli from meat and caecal samples (matrix EQAS) Version 4 (2017).

Laboratory used for detection of resistance: NRL, Centro Nacional de Alimentación (CNA).

5. Laboratory methodology used for detection of antimicrobial resistance^(c)

Antimicrobials included in monitoring:

Ampicillin, azithromycin, cefotaxim, ceftazidim, chloramphenicol, ciprofloxacin, colistin, gentamicin, meropenem, nalidixic acid, sulfamethoxazole, tetracycline, tigecycline, trimethoprim.

Cut-off values used in testing:

The results of antibiotics are interpreted using the epidemiological cut-off values and concentration ranges given in Tables 1, 2 and 3 of Decision 2013/652 / EU to determine the sensitivity of Salmonella spp. and E. coli. Dilutions are performed according to the methods described by the European Committee on Antimicrobial Susceptibility Testing (Eucast) and the Clinical and Laboratory Standards Institute (CLSI), accepted as an international reference method (ISO 20776-1: 2006) .EN 14.11.2013 Official Journal of the European Union L 303/33.

6. Results of investigation

Sent through DCF

7. Additional information

Control programs / strategies put in place:

Spain has developed a National Action Plan (PRAN) to prevent and monitor antimicrobial resistance.

For more information please refer to:

<http://www.resistenciaantibioticos.es/es>

* to be filled in per combination of bacterial species/matrix

- (a): Method of sampling (description of sampling technique: stage of sampling, type of sample, sampler), Frequency of sampling, Procedure of selection of isolates for susceptibility testing, Method used for collecting data.
- (b): Analytical method used for detection and confirmation: according to the legislation, the protocols developed by the EURL-AR should be used and reported here. In the case of the voluntary specific monitoring on Carbapenemase-producers, the selective media used (commercial plates, 'in house' media) should be also reported here. In general, any variation with regard to the EURL-AR protocols should be stated here, number of isolates isolated per sample, in particular for *Campylobacter* spp..
- (c): Antimicrobials included, Cut-off values

67. General Description of Antimicrobial Resistance Monitoring*; *Escherichia coli*, non-pathogenic in meat from bovine < 1 year

1. General description of sampling design and strategy^(a)

Sampling strategy used in monitoring:

The control programme in place in Spain for monitoring of Salmonella Antimicrobial resistance is a National control programme. Sampling is mandatory for the Regional Authorities and voluntary for food business operators.

In 2017 Regional Authorities have collected samples of fresh pork meat at retail and have sent them to the National reference Laboratory (Centro Nacional de Alimentación- CNA) for monitoring AMR according to the Decision 2013/652/EU on the monitoring and reporting of antimicrobial resistance in zoonotic and commensal bacteria.

The activities are made pursuant to Regulation (EC) no 178/2002 (i.e. rapid alert system, traceability of food, feed, food-producing animals and all substances incorporated into foodstuffs must be established at all stages of production, processing and distribution). To this end, business operators are required to apply appropriate systems and procedures.

Sampling frequency:

300 samples per year, distributed in weekly samplings throughout the year and the different regions throughout the country.

Type of specimen taken:

According to the Commission Implementing Decisions 2013/652/EU and 2013/653/EU and Technical specifications, the type of sample taken is fresh meat from bovine < 1 year.

Type of sampling:

Food sample meat, prospective sampling

Sampling method:

Samples are taken randomly at retail in a selected number of Autonomous Communities according to an established schedule and technical procedure.

<p><u>Procedures for the selection of isolates for the antimicrobial test:</u> Inoculate one loop-full (10 µl loop) of the overnight culture (BPW) by applying a single streak onto a MacConkey agar plate containing 1 mg/L cefotaxime (CTX). Reference PROTOCOL for selective isolation of presumptive ESBL-, AmpC- and carbapenemase-producing Escherichia coli from meat and caecal samples (matrix EQAS) Version 4 (2017).</p> <p><u>Methods used for data collection:</u> Spain uses a computer application developed by the Ministry of Agriculture and Fisheries, Food and Environment, where the NRL introduce the data, which are sent to the mentioned Ministry and finally they send them to EFSA by the Data Collection Framework.</p>
<p>2. Stratification procedure per animal population and food category</p> <p>The criteria for the selection of the autonomous communities to collect the samples are based on the production level of the slaughterhouses in relation to the national production and their geographical situation. Slaughterhouses processing at least 60 % of production in Spain are selected, starting with the slaughterhouses of largest throughput.</p>
<p>3. Randomisation procedure per animal population and food category</p> <p>Population stratum (nuts-3 area): provincial level. It is carried out in the provinces (nuts) that cover at least 80% of the national population. Distribution of samples: Samples are proportionally distributed among the 25 most populated provinces (total more than 80% of the population of Spain) belonging to 13 Autonomous Communities. Predominant establishment category: establishments which supplies at least 80% of the market for these products. In this case it is the supermarket. Epidemiological unit: product batch. It can be taken up to 5 different lots of the same product in one visit to the establishment. The competent Authorities of the Autonomous Communities take samples of fresh meat from bovine < 1 year in retail trade and the CNA (NRL) isolates E. coli strains and performs the antibiogram.</p>
<p>4. Analytical method used for detection and confirmation^(b)</p> <p><u>Laboratory methodology:</u> EURL-AR (National Food Institute of Denmark) PROTOCOL for selective isolation of presumptive ESBL-, AmpC- and carbapenemase-producing Escherichia coli from meat and caecal samples (matrix EQAS) Version 4 (2017). Laboratory used for detection of resistance: NRL, Centro Nacional de Alimentación (CNA).</p>
<p>5. Laboratory methodology used for detection of antimicrobial resistance^(c)</p> <p><u>Antimicrobials included in monitoring</u> Ampicillin, azithromycin, cefotaxim, ceftazidim, chloramphenicol, ciprofloxacin, colistin, gentamicin, meropenem, nalidixic acid, sulfamethoxazole, tetracycline, tigecycline, trimethoprim.</p> <p><u>Cut-off values used in testing</u> The results of antibiotics are interpreted using the epidemiological cut-off values and concentration ranges given in Tables 1, 2 and 3 of Decision 2013/652 / EU to determine the sensitivity of Salmonella spp. and E. coli. Dilutions are performed according to the methods described by the European Committee on Antimicrobial Susceptibility Testing (Eucast) and the Clinical and Laboratory Standards Institute (CLSI), accepted as an international reference method (ISO 20776-1: 2006) .EN 14.11.2013 Official Journal of the European Union L 303/33.</p>
<p>6. Results of investigation</p> <p>Sent through DCF</p>

7. Additional information

Control programs / strategies put in place

Spain has developed a National Action Plan (PRAN) to prevent and monitor antimicrobial resistance.

For more information please refer to:

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- (a): Method of sampling (description of sampling technique: stage of sampling, type of sample, sampler), Frequency of sampling, Procedure of selection of isolates for susceptibility testing, Method used for collecting data.
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- (c): Antimicrobials included, Cut-off values