

Netherlands

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 Netherlands 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	slaughter animal (heads)
Cattle (bovine animals)	Cattle (bovine animals)	34,147	4,096,110	
	Cattle (bovine animals) - calves (under 1 year) - for slaughter			1,505,900
	Cattle (bovine animals) - dairy cows and heifers			585,500
Ducks	Ducks - unspecified	53	1,009,399	
Gallus gallus (fowl)	Gallus gallus (fowl)			621,658,600
	Gallus gallus (fowl) - breeding flocks, unspecified	340	10,537,210	
	Gallus gallus (fowl) - broilers - unspecified	630	48,237,210	
	Gallus gallus (fowl) - laying hens	990	46,441,940	
Goats	Goats	12,609	514,915	136,900
Pigs	Pigs - unspecified	10,509	12,400,700	1,516,900
Sheep	Sheep	28,822	1,056,498	
	Sheep - animals over 1 year			536,800
	Sheep - animals under 1 year (lambs)			405,800
Solipeds, domestic	Solipeds, domestic - horses			2,753
Turkeys	Turkeys - unspecified	31	670,500	

DISEASE STATUS TABLES

Table Bovine brucellosis in countries and regions that do not receive Community co-financing for eradication programme

Region	Number of animals serologically tested under investigations of suspect cases	Number of suspended herds under investigations of suspect cases	Number of seropositive animals under investigations of suspect cases	Number of animals positive to BST under investigations of suspect cases	Number of animals positive in microbiological testing under investigations of suspect cases	Number of herds with status officially free	Number of infected herds	Total number of animals	Number of herds tested under surveillance	Number of animals tested under surveillance	Total number of herds	Number of infected herds tested under surveillance	Number of herds tested under surveillance by bulk milk	Number of animals or pools tested under surveillance by bulk milk	Number of infected herds tested under surveillance by bulk milk	Number of notified abortions whatever cause	Number of isolations of Brucella infections	Number of abortions due to Brucella abortus	Number of animals tested by microbiology under investigations of suspect cases
NETHERLANDS	11,002	25	25	0	0	34,147	0	4,096,110	0	0	34,147	0	0	0	0	11,002	0	0	5

Table Ovine or Caprine brucellosis in countries and regions that do not receive Community co-financing for eradication programme

Region	Number of animals serologically tested under investigations of suspect cases	Number of suspended herds under investigations of suspect cases	Number of seropositive animals under investigations of suspect cases	Number of animals positive in microbiological testing under investigations of suspect cases	Number of herds with status officially free	Number of infected herds	Total number of animals	Number of herds tested under surveillance	Number of animals tested under surveillance	Total number of herds	Number of infected herds tested under surveillance	Number of animals tested by microbiology under investigations of suspect cases
NETHERLANDS	44	0	0	0	41,431	0	1,571,413	1,524	18,363	41,431	0	0

DISEASE STATUS TABLES

Table Bovine tuberculosis in countries and regions that do not receive Community co-financing for eradication programme

Region	Number of herds with status officially free	Number of infected herds	Total number of animals	Number of animals with suspicious lesions of tuberculosis examined and submitted to histopathological and bacteriological examinations	Number of animals detected positive in bacteriological examination	Total number of herds
NETHERLANDS	34,147	0	4,096,110	33	0	34,147

PREVALENCE TABLES

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
Not Available	Dogs - Veterinary clinics - Bulgaria - animal sample - blood - Clinical investigations - Official sampling - Suspect sampling	Not Available	animal	4	2	Brucella canis	2
	Dogs - Veterinary clinics - Croatia - animal sample - blood - Clinical investigations - Official sampling - Suspect sampling	Not Available	animal	1	1	Brucella canis	1
	Dogs - Veterinary clinics - Romania - animal sample - blood - Clinical investigations - Official sampling - Suspect sampling	Not Available	animal	11	3	Brucella canis	3
	Goats - Farm - Not Available - Not Available - Monitoring - Not applicable - Selective sampling	Not Available	animal	1428	0	Brucella melitensis	0
	Pigs - fattening pigs - Farm - Not Available - Not Available - Clinical investigations - Official sampling - Objective sampling	Not Available	animal	6209	0	Brucella	0
	Sheep - Farm - Not Available - Not Available - Monitoring - Not applicable - Selective sampling	Not Available	animal	16935	0	Brucella melitensis	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
Not Available	Antelopes - Zoo - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	Not Available	animal	4	1	Campylobacter, unspecified sp.	1
	Birds - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	Not Available	animal	22	5	Campylobacter, unspecified sp.	5
	Cats - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	Not Available	animal	54	12	Campylobacter, unspecified sp.	12
	Cattle (bovine animals) - Artificial insemination station - Not Available - Not Available - Monitoring - Not applicable - Selective sampling	Not Available	animal	1685	0	Campylobacter	0
	Cattle (bovine animals) - Farm - Not Available - Not Available - Monitoring - Not applicable - Objective sampling	Not Available	animal	2339	0	Campylobacter	0
	Cattle (bovine animals) - meat production animals - fattening steers - Farm - Not Available - animal sample - faeces - Survey - national survey - Official sampling - Objective sampling	ISO 10272-1:2006 Campylobacter	herd/flock	196	164	Campylobacter, unspecified sp.	164
	Dogs - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	Not Available	animal	180	79	Campylobacter, unspecified sp.	79
	Foxes - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	Not Available	animal	12	2	Campylobacter, unspecified sp.	2
	Giraffes - Zoo - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	Not Available	animal	5	1	Campylobacter, unspecified sp.	1
	Goats - Farm - Netherlands - Not Available - Clinical investigations - HACCP and own check - Not specified	Not Available	animal	419	0	Campylobacter	0
	Monkeys - zoo animal - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	Not Available	animal	85	13	Campylobacter, unspecified sp.	13
	Other animals - exotic pet animals - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	Not Available	animal	9	4	Campylobacter, unspecified sp.	4
	Pigs - breeding animals - unspecified - piglets - Farm - Not Available - Not Available - Clinical investigations - HACCP and own check - Objective sampling	Not Available	animal	2618	0	Campylobacter	0
	Raccoons - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	Not Available	animal	15	4	Campylobacter, unspecified sp.	4
	Sheep - Farm - Netherlands - Not Available - Clinical investigations - HACCP and own check - Not specified	Not Available	animal	377	11	Campylobacter, unspecified sp.	11
	Wolves - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	Not Available	animal	2	1	Campylobacter, unspecified sp.	1

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	Meat from bovine animals - fresh - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 10272-1:2006 Campylobacter	507	5	Campylobacter, unspecified sp.	5
	Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 10272-1:2006 Campylobacter	233	81	Campylobacter, unspecified sp.	81
	Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	1	Gram	ISO/TS 10272-2:2006 Campylobacter	233	81	Campylobacter, unspecified sp.	81
	Meat from broilers (Gallus gallus) - fresh - chilled - Wholesale - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 10272-1:2006 Campylobacter	29	19	Campylobacter, unspecified sp.	19
	Meat from broilers (Gallus gallus) - fresh - chilled - Wholesale - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	1	Gram	ISO/TS 10272-2:2006 Campylobacter	29	2	Campylobacter, unspecified sp.	2
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 10272-1:2006 Campylobacter	255	77	Campylobacter, unspecified sp.	77
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	1	Gram	ISO/TS 10272-2:2006 Campylobacter	256	6	Campylobacter, unspecified sp.	6
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Wholesale - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 10272-1:2006 Campylobacter	14	5	Campylobacter, unspecified sp.	5
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Wholesale - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	1	Gram	ISO/TS 10272-2:2006 Campylobacter	14	0	Campylobacter	0
	Meat from goat - fresh - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 10272-1:2006 Campylobacter	8	0	Campylobacter	0
	Meat from pig - fresh - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 10272-1:2006 Campylobacter	280	1	Campylobacter, unspecified sp.	1
	Meat from sheep - fresh - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 10272-1:2006 Campylobacter	188	12	Campylobacter, unspecified sp.	12
	Meat from sheep - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 10272-1:2006 Campylobacter	28	2	Campylobacter, unspecified sp.	2
	Meat from turkey - fresh - chilled - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 10272-1:2006 Campylobacter	40	7	Campylobacter, unspecified sp.	7
	Meat from turkey - fresh - chilled - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	1	Gram	ISO/TS 10272-2:2006 Campylobacter	40	7	Campylobacter, unspecified sp.	7
	Meat from turkey - fresh - chilled - Wholesale - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 10272-1:2006 Campylobacter	1	1	Campylobacter, unspecified sp.	1
	Meat from turkey - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 10272-1:2006 Campylobacter	12	3	Campylobacter, unspecified sp.	3
	Meat from turkey - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	1	Gram	ISO/TS 10272-2:2006 Campylobacter	12	3	Campylobacter, unspecified sp.	3

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
Not Available	Cattle (bovine animals) - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	animal	Not Available	391	6		Coxiella burnetii	6
	Goats - Farm - Netherlands - Not Available - Clinical investigations - HACCP and own check - Not specified	animal	Not Available	419	0		Coxiella	0
	Goats - Farm - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	animal	Not Available	387	0		Coxiella	0
	Sheep - Farm - Netherlands - Not Available - Clinical investigations - HACCP and own check - Not specified	animal	Not Available	377	0		Coxiella	0
	Sheep - Farm - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	animal	Not Available	30	0		Coxiella	0

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	Infant formula - dried - intended for infants below 6 months - Processing plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/feed)	10	Gram	ISO 22964:2017 Cronobacter	62	2	Cronobacter sakazakii	2
	Infant formula - dried - intended for infants below 6 months - Processing plant - Netherlands - food sample - Surveillance - Industry sampling - Objective sampling	batch (food/feed)	10	Gram	ISO 22964:2017 Cronobacter	43	0	Cronobacter	0
	Infant formula - dried - Processing plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/feed)	10	Gram	ISO 22964:2017 Cronobacter	62	2	Cronobacter sakazakii	2

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	Foxes - wild - Natural habitat - Not Available - Not Available - Monitoring - passive - Not applicable - Convenient sampling	Not Available	animal	146	2	Echinococcus multilocularis	2
	Sheep - Slaughterhouse - Not Available - Not Available - Monitoring - passive - Official, based on Regulation 854/2004 - Not specified	Not Available	animal	1	0	Echinococcus	0

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
Not Available	Cattle (bovine animals) - meat production animals - fattening steers - Farm - Not Available - animal sample - faeces - Survey - national survey - Official sampling - Objective sampling	herd/flock	25	Gram In house real time PCR methods based on ISO/TS 13136:2012	194	49	VTEC O103	H2	VT1, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
							VTEC O112	H20	VT2, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
							VTEC O113	H21	VT2, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
								H4	VT2, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
							VTEC O116	H-antigen unknown	VT2, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
								H28	VT2, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	2
							VTEC O117	H7	VT2, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
							VTEC O121	H10	VT1, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
							VTEC O136	H12	VT1, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	5
									VT2, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
								H16	VT2, gene identified, subtype unspecified	eae positive	1
							VTEC O15	H16	VT2, gene identified, subtype unspecified	eae positive	1
									VT2, gene identified, subtype unspecified ;VT1, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
							VTEC O150	H2	VT1, gene identified, subtype unspecified	eae positive	1
									VT2, gene identified, subtype unspecified ;VT1, gene identified, subtype unspecified	eae positive	1
							VTEC O157	H7	VT2, gene identified, subtype unspecified	eae positive	3

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	Cattle (bovine animals) - meat production animals - fattening steers - Farm - Not Available - animal sample - faeces - Survey - national survey - Official sampling - Objective sampling	herd/flock	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	194	49	VTEC O157	H7	VT2, gene identified, subtype unspecified ;VT1, gene identified, subtype unspecified	eae positive	2
										Enter- aggregativ e adhesion genes negative	1	
								VTEC O168	H8	VT2, gene identified, subtype unspecified	Enter- aggregativ e adhesion genes negative	3
								VTEC O171	H2	VT1, gene identified, subtype unspecified	Enter- aggregativ e adhesion genes negative	2
								VTEC O177	H11	VT2, gene identified, subtype unspecified	Enter- aggregativ e adhesion genes negative	1
									H25	VT1, gene identified, subtype unspecified	eae positive	1
								VTEC O182	H25	VT1, gene identified, subtype unspecified	eae positive	1
										Enter- aggregativ e adhesion genes negative	4	
								VTEC O187	H28	VT1, gene identified, subtype unspecified	Enter- aggregativ e adhesion genes negative	1
								VTEC O26	H11	VT2, gene identified, subtype unspecified	eae positive	1
								VTEC O3	H12	VT1, gene identified, subtype unspecified	Enter- aggregativ e adhesion genes negative	1
								VTEC O8	H30	VT2, gene identified, subtype unspecified	Enter- aggregativ e adhesion genes negative	1
										VTEC O9	H-antigen unknown	VT1, gene identified, subtype unspecified
								VTEC O9	H28	VT2, gene identified, subtype unspecified	Enter- aggregativ e adhesion genes negative	1
										VTEC O91	H21	VT2, gene identified, subtype unspecified
								VT2, gene identified, subtype unspecified ;VT1, gene identified, subtype unspecified	Enter- aggregativ e adhesion genes negative			1
								VTEC O93	H28	VT2, gene identified, subtype unspecified ;VT1, gene identified, subtype unspecified	Enter- aggregativ e adhesion genes negative	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	ANTH	VTX	AG	N units positive
Not Available	Cattle (bovine animals) - meat production animals - fattening steers - Farm - Not Available - animal sample - faeces - Survey - national survey - Official sampling - Objective sampling	herd/flock	25	Gram	In house real time PCR methods based on ISO/TS 13136:2012	194	49	VTEC, unspecified	H-antigen unknown	VT1, gene identified, subtype unspecified	Enteropathogenic E. coli (EPEC) genes negative	1
										VT2, gene identified, subtype unspecified ;VT1, gene identified, subtype unspecified	Enteropathogenic E. coli (EPEC) genes negative	1

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	ANTH	VTX	AG	N units positive
Not Available	Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	55	0	Verocytotoxinogenic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Fruits - whole - 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)	93	0	Verocytotoxinogenic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Live bivalve molluscs - mussels - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	62	0	Verocytotoxinogenic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Live bivalve molluscs - mussels - 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)	64	0	Verocytotoxinogenic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Live bivalve molluscs - oysters - 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)	148	0	Verocytotoxinogenic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Live bivalve molluscs - unspecified - 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)	45	1	VTEC O8	H19	VT2, gene identified, subtype unspecified	Enter-aggregative adhesion genes negative	1
	Meat from bovine animals - fresh - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	505	16	VTEC O113	H4	VT2, gene identified, subtype unspecified	Enter-aggregative adhesion genes negative	1
								VTEC O146	H21	VT2, gene identified, subtype unspecified	Enter-aggregative adhesion genes negative	1
								VTEC O15	H16	VT2, gene identified, subtype unspecified	Enter-aggregative adhesion genes negative	1
									H27	VT2, gene identified, subtype unspecified	Enter-aggregative adhesion genes negative	1
								VTEC O168	H8	VT2, gene identified, subtype unspecified	Enter-aggregative adhesion genes negative	1
								VTEC O171	H2	VT2, gene identified, subtype unspecified	Enter-aggregative adhesion genes negative	2
									H29	VT2, gene identified, subtype unspecified	Enter-aggregative adhesion genes negative	1
								VTEC O174	H21	VT2, gene identified, subtype unspecified	Enter-aggregative adhesion genes negative	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	ANTH	VTX	AG	N units positive
Not Available	Meat from bovine animals - fresh - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	505	16	VTEC O2	H29	VT2, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	2
								VTEC O3	H20	VT1, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
								VTEC O5	H-antigen unknown	VT1, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
								VTEC O55	H12	VT1, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	2
								VTEC Orough	H10	VT2, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
	Meat from bovine animals - fresh - 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)	20	1	VTEC O187	H28	VT1, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
	Meat from bovine animals - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	145	3	VTEC O76	H2	VT2, gene identified, subtype unspecified ;VT1, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
								VTEC, unspecified	Not Available	VT2, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
										VT2, gene identified, subtype unspecified ;VT1, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
	Meat from bovine animals - meat preparation - intended to be eaten raw - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	279	4	VTEC O136	H12	VT1, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
								VTEC O23	H25	VT2, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
								VTEC O88	H25	VT1, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
								VTEC O98	H21	VT1, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
	Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	232	0	Verocytotoxinogenic 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 broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	255	3	VTEC O146	H21	VT2, gene identified, subtype unspecified ;VT1, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
								VTEC O18	H7	VT2, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	2
	Meat from farmed game - ratites - fresh - frozen - Wholesale - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	21	0	Verocytotoxinogenic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from farmed game- land mammals - meat products - raw but intended to be eaten cooked - chilled - Wholesale - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	16	2	VTEC O146	H21	VT1, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
								VTEC O19	H19	VT1, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
	Meat from goat - fresh - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	8	0	Verocytotoxinogenic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from other animal species or not specified - fresh - frozen - Wholesale - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	8	0	Verocytotoxinogenic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from pig - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	117	0	Verocytotoxinogenic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from sheep - fresh - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	188	18	VTEC O128	H2	VT2, gene identified, subtype unspecified ;VT1, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
								VTEC O146	H21	VT2, gene identified, subtype unspecified ;VT1, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	2
								VTEC O15	H27	VT2, gene identified, subtype unspecified ;VT1, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
								VTEC O166	H28	Verotoxin production, toxin type unknown	Entero-aggregative adhesion genes negative	1
								VTEC O176	H32	VT2, gene identified, subtype unspecified ;VT1, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1

Area of sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight unit	Sample weight unit	Method	total units tested	total units positive	Zoonoses	ANTH	VTX	AG	N units positive
Not Available	Meat from sheep - fresh - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	188	18	VTEC O187	H52	VT1, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
								VTEC O21	H14	VT2f;VT1, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
								VTEC O38	H26	VT1, gene identified, subtype unspecified	eae positive	1
											Entero-aggregative adhesion genes negative	3
								VTEC O5	H19	VT1, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
										VT2, gene identified, subtype unspecified ;VT1, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
								VTEC O76	H19	VT1, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
								VTEC O8	H30	VT2, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
								VTEC O9	H30	VT2, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
								VTEC, unspecified	Not Available	Verotoxin production, toxin type unknown	Adhesion genes investigation not reported	1
	Meat from sheep - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	30	5	VTEC O146	H21	VT1, gene identified, subtype unspecified	Adhesion genes investigation not reported	2
								VTEC O5	H19	VT1, gene identified, subtype unspecified	Adhesion genes investigation not reported	1
								VTEC O6	H10	VT1, gene identified, subtype unspecified	Entero-aggregative adhesion genes negative	1
								VTEC, unspecified	Not Available	Verotoxin production, toxin type unknown	Adhesion genes investigation not reported	1
	Meat from turkey - fresh - chilled - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	40	0	Verocytotoxinogenic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from turkey - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	12	0	Verocytotoxinogenic 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	Other processed food products and prepared dishes - legumes based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	28	0	Verocytotoxinogenic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Other processed food products and prepared dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	44	0	Verocytotoxinogenic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Seeds, dried - 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)	145	0	Verocytotoxinogenic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Seeds, sprouted - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	274	0	Verocytotoxinogenic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Spices and herbs - dried - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	280	0	Verocytotoxinogenic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Spices and herbs - fresh - Border inspection activities - 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)	37	0	Verocytotoxinogenic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Spices and herbs - fresh - 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)	56	0	Verocytotoxinogenic 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	single (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	306	2	VTEC O45	H2	VT2f	eae positive	1
								VTEC O63	H6	VT2f	eae positive	1
	Vegetables - products - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	296	0	Verocytotoxinogenic E. coli (VTEC)	Not Available	Not Available	Not Available	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
Not Available	Cattle (bovine animals) - dairy cows - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	Not Available	animal	7942	2	Listeria spp., unspecified	2
	Cattle (bovine animals) - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	Not Available	animal	2339	9	Listeria spp., unspecified	9
	Goats - Farm - Netherlands - Not Available - Clinical investigations - HACCP and own check - Not specified	Not Available	animal	419	37	Listeria spp., unspecified	37
	Pigs - breeding animals - unspecified - piglets - Farm - Not Available - Not Available - Clinical investigations - HACCP and own check - Suspect sampling	Not Available	animal	2618	0	Listeria	0
	Sheep - Farm - Netherlands - Not Available - Clinical investigations - HACCP and own check - Not specified	Not Available	animal	377	13	Listeria spp., unspecified	13

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	Cheeses made from cows' milk - fresh - made from pasteurised milk - Farm - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	120	0	detection	Listeria monocytogenes	120	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	10	Gram	55	1	<= 100	Listeria monocytogenes	55	1
							>100	Listeria monocytogenes	55	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	55	1	detection	Listeria monocytogenes	55	0
	Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Netherlands - food sample - Surveillance - Industry sampling - Objective sampling	batch (food/fee d)	25	Gram	10	0	detection	Listeria monocytogenes	10	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Farm - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	140	0	detection	Listeria monocytogenes	140	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Farm - Netherlands - food sample - Surveillance - Industry sampling - Objective sampling	batch (food/fee d)	25	Gram	4	0	detection	Listeria monocytogenes	4	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Processing plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	10	Gram	867	3	<= 100	Listeria monocytogenes	867	3
							>100	Listeria monocytogenes	867	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Processing plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	867	3	detection	Listeria monocytogenes	867	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Processing plant - Netherlands - food sample - Surveillance - Industry sampling - Objective sampling	batch (food/fee d)	10	Gram	1441	2	<= 100	Listeria monocytogenes	1,441	2
							>100	Listeria monocytogenes	1,441	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Processing plant - Netherlands - food sample - Surveillance - Industry sampling - Objective sampling	batch (food/fee d)	25	Gram	1441	2	detection	Listeria monocytogenes	1,441	0
	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Farm - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	10	Gram	503	6	<= 100	Listeria monocytogenes	503	6
							>100	Listeria monocytogenes	503	0
	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Farm - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	503	6	detection	Listeria monocytogenes	503	0
	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Processing plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	10	Gram	88	2	<= 100	Listeria monocytogenes	88	2
							>100	Listeria monocytogenes	88	0
	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Processing plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	88	2	detection	Listeria monocytogenes	88	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Farm - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	26	0	detection	Listeria monocytogenes	26	0
	Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Processing plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	72	0	detection	Listeria monocytogenes	72	0
	Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Farm - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	36	0	detection	Listeria monocytogenes	36	0
	Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Farm - Netherlands - food sample - Surveillance - Industry sampling - Objective sampling	batch (food/fee d)	25	Gram	9	0	detection	Listeria monocytogenes	9	0
	Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	17	0	detection	Listeria monocytogenes	17	0
	Cheeses made from goats' milk - unspecified - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	10	Gram	98	1	<= 100	Listeria monocytogenes	98	1
							>100	Listeria monocytogenes	98	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 - unspecified - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	98	1	detection	Listeria monocytogenes	98	0
	Cheeses, made from unspecified milk or other animal milk - fresh - Processing plant - Netherlands - food sample - Surveillance - Industry sampling - Objective sampling	batch (food/fee d)	25	Gram	12	0	detection	Listeria monocytogenes	12	0
	Cheeses, made from unspecified milk or other animal milk - spreadable - Processing plant - Netherlands - food sample - Surveillance - Industry sampling - Objective sampling	batch (food/fee d)	1	Gram	141	0	detection	Listeria monocytogenes	141	0
	Crustaceans - shrimps - cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	10	Gram	133	4	<= 100	Listeria monocytogenes	133	4
							>100	Listeria monocytogenes	133	0
	Crustaceans - shrimps - cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	133	4	detection	Listeria monocytogenes	133	4
	Dairy products (excluding cheeses) - butter - made from pasteurised milk - Farm - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	1	Gram	101	0	detection	Listeria monocytogenes	101	0
	Dairy products (excluding cheeses) - butter - made from raw or low heat-treated milk - Farm - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	1	Gram	19	0	detection	Listeria monocytogenes	19	0
	Dairy products (excluding cheeses) - butter - Processing plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	26	0	detection	Listeria monocytogenes	26	0
	Dairy products (excluding cheeses) - butter - Processing plant - Netherlands - food sample - Surveillance - Industry sampling - Objective sampling	batch (food/fee d)	25	Gram	31	0	detection	Listeria monocytogenes	31	0
	Dairy products (excluding cheeses) - cream - Processing plant - Netherlands - food sample - Surveillance - Industry sampling - Objective sampling	batch (food/fee d)	25	Gram	13	0	detection	Listeria monocytogenes	13	0
	Dairy products (excluding cheeses) - dairy products, not specified - made from pasteurised milk - Farm - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	101	0	detection	Listeria monocytogenes	101	0
	Dairy products (excluding cheeses) - fermented dairy products - Farm - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	135	0	detection	Listeria monocytogenes	135	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Farm - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	282	0	detection	Listeria monocytogenes	282	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Processing plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	58	0	detection	Listeria monocytogenes	58	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Processing plant - Netherlands - food sample - Surveillance - Industry sampling - Objective sampling	batch (food/fee d)	25	Gram	17	0	detection	Listeria monocytogenes	17	0
	Dairy products (excluding cheeses) - milk powder and whey powder - Processing plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	11	0	detection	Listeria monocytogenes	11	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 - Objective sampling	single (food/fee d)	10	Gram	582	24	<= 100	Listeria monocytogenes	582	23
							>100	Listeria monocytogenes	582	1
	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	single (food/fee d)	25	Gram	582	24	detection	Listeria monocytogenes	582	24
	Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	10	Gram	39	1	<= 100	Listeria monocytogenes	39	1
							>100	Listeria monocytogenes	39	0
	Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	39	1	detection	Listeria monocytogenes	39	1
	Fish - smoked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	10	Gram	158	8	<= 100	Listeria monocytogenes	158	0
							>100	Listeria monocytogenes	158	0
	Fish - smoked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	158	8	detection	Listeria monocytogenes	158	8

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 - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	10	Gram	9	1	<= 100	Listeria monocytogenes	9	0
							>100	Listeria monocytogenes	9	0
	Fish - smoked - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	9	1	detection	Listeria monocytogenes	9	1
	Fishery products, unspecified - non-ready-to-eat - chilled - 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)	10	Gram	103	0	<= 100	Listeria monocytogenes	103	0
							>100	Listeria monocytogenes	103	0
	Fishery products, unspecified - non-ready-to-eat - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	10	Gram	21	1	<= 100	Listeria monocytogenes	21	0
							>100	Listeria monocytogenes	21	1
	Infant formula - dried - intended for infants below 6 months - Processing plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	86	0	detection	Listeria monocytogenes	86	0
	Infant formula - dried - Processing plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	86	0	detection	Listeria monocytogenes	86	0
	Live bivalve molluscs - mussels - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	27	0	detection	Listeria monocytogenes	27	0
	Live bivalve molluscs - mussels - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	10	Gram	55	0	<= 100	Listeria monocytogenes	55	0
							>100	Listeria monocytogenes	55	0
	Live bivalve molluscs - mussels - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	55	0	detection	Listeria monocytogenes	55	0
	Live bivalve molluscs - oysters - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	10	Gram	83	0	<= 100	Listeria monocytogenes	83	0
							>100	Listeria monocytogenes	83	0
	Live bivalve molluscs - oysters - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	83	0	detection	Listeria monocytogenes	83	0
	Live bivalve molluscs - unspecified - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	10	Gram	14	0	<= 100	Listeria monocytogenes	14	0
							>100	Listeria monocytogenes	14	0
	Live bivalve molluscs - unspecified - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	14	0	detection	Listeria monocytogenes	14	0
	Meat from bovine animals - fresh - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	10	Gram	382	26	<= 100	Listeria monocytogenes	382	0
							>100	Listeria monocytogenes	382	0
	Meat from bovine animals - fresh - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	382	26	detection	Listeria monocytogenes	382	26
	Meat from bovine animals - fresh - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	20	3	detection	Listeria monocytogenes	20	3
	Meat from bovine animals - meat preparation - intended to be eaten raw - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	10	Gram	275	16	<= 100	Listeria monocytogenes	275	0
							>100	Listeria monocytogenes	275	0
	Meat from bovine animals - meat preparation - intended to be eaten raw - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	275	16	detection	Listeria monocytogenes	275	16
	Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	10	Gram	279	50	<= 100	Listeria monocytogenes	279	0
							>100	Listeria monocytogenes	279	0
	Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	279	50	detection	Listeria monocytogenes	279	50

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 - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	10	Gram	310	74	<= 100	Listeria monocytogenes	310	0
							>100	Listeria monocytogenes	310	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	310	74	detection	Listeria monocytogenes	310	74
	Meat from goat - fresh - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	10	Gram	31	10	<= 100	Listeria monocytogenes	31	10
							>100	Listeria monocytogenes	31	0
	Meat from goat - fresh - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	31	10	detection	Listeria monocytogenes	31	10
	Meat from pig - fresh - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	10	Gram	79	5	<= 100	Listeria monocytogenes	79	0
							>100	Listeria monocytogenes	79	0
	Meat from pig - fresh - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	79	5	detection	Listeria monocytogenes	79	5
	Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - chilled - 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)	10	Gram	20	0	<= 100	Listeria monocytogenes	20	0
							>100	Listeria monocytogenes	20	0
	Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	10	Gram	39	0	<= 100	Listeria monocytogenes	39	0
							>100	Listeria monocytogenes	39	0
	Meat from sheep - fresh - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	10	Gram	29	11	<= 100	Listeria monocytogenes	29	1
							>100	Listeria monocytogenes	29	1
	Meat from sheep - fresh - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	29	11	detection	Listeria monocytogenes	29	9
	Meat from turkey - fresh - chilled - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	10	Gram	61	7	<= 100	Listeria monocytogenes	61	0
							>100	Listeria monocytogenes	61	0
	Meat from turkey - fresh - chilled - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	61	7	detection	Listeria monocytogenes	61	7
	Meat from turkey - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	10	Gram	18	3	<= 100	Listeria monocytogenes	18	0
							>100	Listeria monocytogenes	18	0
	Meat from turkey - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - meat - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	18	3	detection	Listeria monocytogenes	18	3
	Meat, red meat (meat from bovines, pigs, goats, sheep, horses, donkeys, bison and water buffalos) - meat preparation - intended to be eaten cooked - chilled - 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)	10	Gram	22	0	<= 100	Listeria monocytogenes	22	0
							>100	Listeria monocytogenes	22	0
	Meat, red meat (meat from bovines, pigs, goats, sheep, horses, donkeys, bison and water buffalos) - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	10	Gram	59	1	<= 100	Listeria monocytogenes	59	0
							>100	Listeria monocytogenes	59	1
	Milk from other animal species or unspecified - raw milk - intended for direct human consumption - Farm - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	3	0	detection	Listeria monocytogenes	3	0
					4	0	detection	Listeria monocytogenes	4	0
					51	0	detection	Listeria monocytogenes	51	0
	Milk, cows' - raw milk - Farm - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	115	0	detection	Listeria monocytogenes	115	0
	Other processed food products and prepared dishes - legumes based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	10	Gram	98	0	<= 100	Listeria monocytogenes	98	0
							>100	Listeria monocytogenes	98	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	single (food/feed d)	25	Gram	98	0	detection	Listeria monocytogenes	98	0
	Other processed food products and prepared dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	207	1	<= 100	Listeria monocytogenes	207	0
							>100	Listeria monocytogenes	207	0
	Other processed food products and prepared dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	25	Gram	207	1	detection	Listeria monocytogenes	207	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 - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed d)	10	Gram	2	0	<= 100	Listeria monocytogenes	2	0
							>100	Listeria monocytogenes	2	0
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	324	1	<= 100	Listeria monocytogenes	324	0
							>100	Listeria monocytogenes	324	1
	Seeds, sprouted - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	273	0	<= 100	Listeria monocytogenes	273	0
							>100	Listeria monocytogenes	273	0
	Vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed d)	10	Gram	186	0	<= 100	Listeria monocytogenes	186	0
							>100	Listeria monocytogenes	186	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
Not Available	Bats - wild - Natural habitat - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	Not Available	animal	24	9	European bat lyssavirus 1	9
	Cats - Veterinary clinics - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	Not Available	animal	3	0	Lyssavirus	0
	Dogs - Veterinary clinics - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	Not Available	animal	6	0	Lyssavirus	0
	Foxes - wild - Natural habitat - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	Not Available	animal	2	0	Lyssavirus	0
	Squirrels - wild - Natural habitat - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	Not Available	animal	1	0	Lyssavirus	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
Not Available	Pigs - breeding animals - unspecified - piglets - Farm - Not Available - Not Available - Clinical investigations - HACCP and own check - Not specified	Not Available	animal	2618	0	Mycobacterium	0

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
Not Available	Antelopes - Zoo - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	animal		N_A	Not Available	1	1	Salmonella group D	1
	Bears - Zoo - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	animal		N_A	Not Available	12	3	Salmonella group C	3
	Birds - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	animal		N_A	Not Available	25	2	Salmonella group B	1
								Salmonella group D	1
	Cats - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	animal		N_A	Not Available	185	2	Salmonella group C	2
	Cattle (bovine animals) - calves (under 1 year) - Farm - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	animal		N_A	Not Available	34	1	Salmonella group D	1
	Cattle (bovine animals) - Farm - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	animal		N_A	Not Available	2339	185	Salmonella Dublin	66
								Salmonella spp., unspecified	59
								Salmonella Typhimurium	60
								Salmonella Dublin	98
								Salmonella spp., unspecified	514
								Salmonella Typhimurium	131
	Cattle (bovine animals) - Farm - Not Available - Not Available - Control and eradication programmes - Not applicable - Selective sampling	animal		N_A	Not Available	12692	743	Salmonella Abortusequi	1
								Salmonella Cubana	1
								Salmonella Dublin	1
								Salmonella Montevideo	2
								Salmonella Typhimurium, monophasic	2
	Dogs - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	animal		N_A	Not Available	491	4	Salmonella group B	2
								Salmonella group C	1
								Salmonella group E	1
	Fish - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	animal		N_A	Not Available	14	1	Salmonella group B	1
	Gallus gallus (fowl) - breeding flocks, unspecified - adult - Farm - Not Available - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock		Y	Not Available	1436	19	Salmonella Agona	1
								Salmonella Derby	1
								Salmonella Mbandaka	10
								Salmonella Senftenberg	2
								Salmonella spp., unspecified	4
								Salmonella Stourbridge	1
	Gallus gallus (fowl) - broilers - before slaughter - Farm - Not Available - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock		Y	Not Available	16804	915	Salmonella Agona	12
								Salmonella Anatum	1
								Salmonella Brandenburg	3
								Salmonella Derby	2
								Salmonella Enteritidis	10
								Salmonella Hadar	5
								Salmonella Indiana	2
								Salmonella Infantis	399
								Salmonella Lexington	2
								Salmonella Liverpool	2
								Salmonella Livingstone	26
								Salmonella Mbandaka	14
								Salmonella Minnesota	1
								Salmonella Montevideo	3
								Salmonella Muenchen	1
								Salmonella Ohio	3
								Salmonella Paratyphi B	350
								Salmonella Rissen	3
								Salmonella Saintpaul	3
								Salmonella Senftenberg	3
								Salmonella spp., unspecified	14
								Salmonella Tennessee	1
								Salmonella Typhimurium	24
								Salmonella Virchow	31
	Gallus gallus (fowl) - laying hens - adult - Farm - Not Available - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock		Y	Not Available	2686	88	Salmonella Anatum	1
								Salmonella Dublin	1
								Salmonella Enteritidis	42
								Salmonella Hadar	1
								Salmonella Infantis	7
								Salmonella Livingstone	1

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
Not Available	Gallus gallus (fowl) - laying hens - adult - Farm - Not Available - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock		Y	Not Available	2686	88	Salmonella Mbandaka	1
								Salmonella Senftenberg	9
								Salmonella spp., unspecified	23
								Salmonella Tennessee	1
								Salmonella Typhimurium	1
	Goats - Farm - Netherlands - Not Available - Clinical investigations - HACCP and own check - Not specified	animal		N_A	Not Available	419	9	Salmonella spp., unspecified	9
	Pigeons - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	animal		N_A	Not Available	9	1	Salmonella group B	1
	Pigs - fattening pigs - Farm - Not Available - Not Available - Monitoring - active - Industry sampling - Not specified	animal		N_A	Not Available	3217	1135	Salmonella spp., unspecified	1,135
	Pigs - fattening pigs - Slaughterhouse - Not Available - Not Available - Monitoring - active - Industry sampling - Not specified	slaughter animal batch		N_A	Not Available	71096	9997	Salmonella spp., unspecified	9,997
	Psittacidae - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	animal		N_A	Not Available	1	1	Salmonella group B	1
	Sheep - Farm - Netherlands - Not Available - Clinical investigations - HACCP and own check - Not specified	animal		N_A	Not Available	377	6	Salmonella spp., unspecified	6
	Solipeds, domestic - horses - Farm - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	animal		N_A	Not Available	198	2	Salmonella group B	1
								Salmonella group C	1
	Turkeys - fattening flocks - before slaughter - Farm - Not Available - environmental sample - boot swabs - Control and eradication programmes - Official and industry sampling - Census	herd/flock		Y	Not Available	336	0	Salmonella	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	Cheeses made from cows' milk - fresh - made from pasteurised milk - Processing plant - Netherlands - food sample - Surveillance - Industry sampling - Objective sampling	batch (food/fee d)	25	Gram	Detection method of microorganisms	10	0	Salmonella	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Farm - Netherlands - food sample - Surveillance - Industry sampling - Objective sampling	batch (food/fee d)	25	Gram	Detection method of microorganisms	4	0	Salmonella	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Processing plant - Netherlands - food sample - Surveillance - Industry sampling - Objective sampling	batch (food/fee d)	25	Gram	Detection method of microorganisms	885	0	Salmonella	0
	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Farm - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Detection method of microorganisms	503	1	Salmonella	1
	Cheeses made from cows' milk - hard - made from raw or low heat-treated milk - Processing plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Detection method of microorganisms	88	0	Salmonella	0
	Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Farm - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Detection method of microorganisms	36	0	Salmonella	0
	Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Farm - Netherlands - food sample - Surveillance - Industry sampling - Objective sampling	batch (food/fee d)	25	Gram	Detection method of microorganisms	9	0	Salmonella	0
	Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Detection method of microorganisms	17	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - fresh - Processing plant - Netherlands - food sample - Surveillance - Industry sampling - Objective sampling	batch (food/fee d)	25	Gram	Detection method of microorganisms	12	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - spreadable - Processing plant - Netherlands - food sample - Surveillance - Industry sampling - Objective sampling	batch (food/fee d)	25	Gram	Detection method of microorganisms	140	0	Salmonella	0
	Crustaceans - shrimps - cooked - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	18	1	Salmonella Brunei	1
	Crustaceans - shrimps - cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	132	0	Salmonella	0
	Dairy products (excluding cheeses) - butter - made from raw or low heat-treated milk - Farm - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Detection method of microorganisms	19	0	Salmonella	0
	Dairy products (excluding cheeses) - butter - Processing plant - Netherlands - food sample - Surveillance - Industry sampling - Objective sampling	batch (food/fee d)	25	Gram	Detection method of microorganisms	30	0	Salmonella	0
	Dairy products (excluding cheeses) - cream - Processing plant - Netherlands - food sample - Surveillance - Industry sampling - Objective sampling	batch (food/fee d)	25	Gram	Detection method of microorganisms	13	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Farm - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Detection method of microorganisms	282	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Processing plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Detection method of microorganisms	33	0	Salmonella	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Processing plant - Netherlands - food sample - Surveillance - Industry sampling - Objective sampling	batch (food/fee d)	25	Gram	Detection method of microorganisms	17	0	Salmonella	0
	Dairy products (excluding cheeses) - milk powder and whey powder - Processing plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Detection method of microorganisms	11	0	Salmonella	0
	Dairy products (excluding cheeses) - milk powder and whey powder - Processing plant - Netherlands - food sample - Surveillance - Industry sampling - Objective sampling	batch (food/fee d)	25	Gram	Detection method of microorganisms	824	0	Salmonella	0
	Fish - Fishery products from fish species associated with a high amount of histidine - which have undergone enzyme maturation treatment in brine - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	26	0	Salmonella	0
	Fish - raw - frozen - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	38	0	Salmonella	0
	Fish - smoked - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	8	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 - non-ready-to-eat - chilled - 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	ISO 6579:2002/Amd 1:2007	103	0	Salmonella	0
	Fishery products, unspecified - non-ready-to-eat - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	23	0	Salmonella	0
	Foodstuffs intended for special nutritional uses - dietary foods for special medical purposes - Processing plant - Netherlands - food sample - Surveillance - Industry sampling - Objective sampling	batch (food/fee d)	25	Gram	Detection method of microorganisms	22	0	Salmonella	0
	Foodstuffs intended for special nutritional uses - dried dietary foods for special medical purposes intended for infants below 6 months - Processing plant - Netherlands - food sample - Surveillance - Industry sampling - Objective sampling	batch (food/fee d)	25	Gram	Detection method of microorganisms	38	0	Salmonella	0
	Fruits - whole - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	93	0	Salmonella	0
	Infant formula - dried - intended for infants below 6 months - Processing plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Detection method of microorganisms	40	0	Salmonella	0
	Infant formula - dried - intended for infants below 6 months - Processing plant - Netherlands - food sample - Surveillance - Industry sampling - Objective sampling	batch (food/fee d)	25	Gram	Detection method of microorganisms	43	0	Salmonella	0
	Infant formula - dried - Processing plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Detection method of microorganisms	40	0	Salmonella	0
	Infant formula - dried - Processing plant - Netherlands - food sample - Surveillance - Industry sampling - Objective sampling	batch (food/fee d)	25	Gram	Detection method of microorganisms	33	0	Salmonella	0
	Live bivalve molluscs - mussels - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	62	0	Salmonella	0
	Live bivalve molluscs - mussels - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	63	0	Salmonella	0
	Live bivalve molluscs - oysters - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	146	0	Salmonella	0
	Live bivalve molluscs - unspecified - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	47	1	Salmonella Typhimurium	1
	Meat from bovine animals - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	503	1	Salmonella spp., unspecified	1
	Meat from bovine animals - fresh - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	20	0	Salmonella	0
	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)	25	Gram	ISO 6579:2002/Amd 1:2007	142	1	Salmonella Paratyphi	1
	Meat from bovine animals - meat preparation - intended to be eaten raw - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	281	1	Salmonella Dublin	1
	Meat from broilers (Gallus gallus) - carcase - spent hens - Slaughterhouse - Not Available - food sample - carcase swabs - Surveillance - Industry sampling - Objective sampling	slaughte r animal batch	100	Square centimetre	Not Available	4648	356	Salmonella Anatum	4
								Salmonella Enteritidis	5
								Salmonella Goldcoast	1
								Salmonella Indiana	13
								Salmonella Infantis	166
								Salmonella Livingstone	1
								Salmonella Mbandaka	2
								Salmonella Paratyphi B	155
								Salmonella Putten	2
								Salmonella Typhimurium	2
								Salmonella Worthington	5
	Meat from broilers (Gallus gallus) - carcase - spent hens - Slaughterhouse - Not Available - food sample - carcase swabs - Surveillance - Official sampling - Objective sampling	slaughte r animal batch	100	Square centimetre	Not Available	258	27	Salmonella spp., unspecified	27
	Meat from broilers (Gallus gallus) - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	28	4	Salmonella Infantis	1
								Salmonella Paratyphi	3
	Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	482	11	Salmonella enterica, subspecies diarizonae	1
								Salmonella Infantis	7

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 - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	482	11	Salmonella Paratyphi	1
								Salmonella Reading	1
								Salmonella spp., unspecified	1
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - frozen - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	52	9	Salmonella Heidelberg	5
								Salmonella Mbandaka	1
								Salmonella Minnesota	1
								Salmonella Typhimurium	2
	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/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	13	2	Salmonella Paratyphi	2
	Meat from farmed game - ratites - fresh - frozen - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	21	0	Salmonella	0
	Meat from farmed game- land mammals - meat products - raw but intended to be eaten cooked - chilled - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	16	1	Salmonella Anatum	1
	Meat from goat - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	8	0	Salmonella	0
	Meat from other animal species or not specified - fresh - frozen - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	9	5	Salmonella enterica, subspecies arizonae	1
								Salmonella enterica, subspecies diarizonae	1
								Salmonella Hvittingfoss	1
								Salmonella Matopeni	1
								Salmonella Paratyphi	1
	Meat from pig - carcase - Slaughterhouse - Not Available - food sample - carcase swabs - Surveillance - based on Regulation 2073 - Industry sampling - Objective sampling	single (food/fee d)	100	Square centimetre	Not Available	5308	413	Salmonella spp., unspecified	413
	Meat from pig - carcase - Slaughterhouse - Not Available - food sample - carcase swabs - Surveillance - based on Regulation 2073 - Official, based on Regulation 854/2004 - Objective sampling	single (food/fee d)	400	Square centimetre	Not Available	150	23	Salmonella spp., unspecified	23
	Meat from pig - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	280	2	Salmonella Derby	2
	Meat from pig - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	117	1	Salmonella Goverdhan	1
	Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - chilled - 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	ISO 6579:2002/Amd 1:2007	20	0	Salmonella	0
	Meat from poultry, unspecified - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	40	0	Salmonella	0
	Meat from sheep - fresh - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	189	2	Salmonella enterica, subspecies diarizonae	2
	Meat from sheep - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	30	1	Salmonella Typhimurium	1
	Meat from turkey - fresh - chilled - Processing plant - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	1	0	Salmonella	0
	Meat from turkey - fresh - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	40	0	Salmonella	0
	Meat from turkey - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	12	0	Salmonella	0
	Meat, red meat (meat from bovines, pigs, goats, sheep, horses, donkeys, bison and water buffalos) - meat preparation - intended to be eaten cooked - chilled - 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	ISO 6579:2002/Amd 1:2007	22	0	Salmonella	0
	Meat, red meat (meat from bovines, pigs, goats, sheep, horses, donkeys, bison and water buffalos) - meat preparation - intended to be eaten cooked - chilled - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/fee d)	25	Gram	ISO 6579:2002/Amd 1:2007	61	0	Salmonella	0
	Milk from other animal species or unspecified - raw milk - intended for direct human consumption - Farm - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Detection method of microorganisms	3	0	Salmonella	0
						4	0	Salmonella	0
						51	0	Salmonella	0
	Milk, cows' - raw milk - Farm - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	Detection method of microorganisms	115	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 - legumes based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	ISO 6579:2002/Amd 1:2007	97	0	Salmonella	0
	Other processed food products and prepared dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	ISO 6579:2002/Amd 1:2007	210	2	Salmonella Mbandaka	2
	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/feed)	25	Gram	ISO 6579:2002/Amd 1:2007	2	0	Salmonella	0
	Other processed food products and prepared dishes - vegetable based dishes - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	ISO 6579:2002/Amd 1:2007	437	0	Salmonella	0
	Seeds, dried - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	ISO 6579:2002/Amd 1:2007	186	8	Salmonella Bongori	1
								Salmonella Dapango	1
								Salmonella Derby	1
								Salmonella Heidelberg	2
								Salmonella Orion	1
								Salmonella Ruiru	1
								Salmonella Typhimurium, monophasic	1
	Seeds, dried - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	ISO 6579:2002/Amd 1:2007	145	0	Salmonella	0
	Seeds, sprouted - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	ISO 6579:2002/Amd 1:2007	555	2	Salmonella Hadar	1
								Salmonella Typhimurium	1
	Spices and herbs - fresh - Border inspection activities - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	ISO 6579:2002/Amd 1:2007	37	2	Salmonella 1,4,12:d:-	1
								Salmonella Javiana	1
	Spices and herbs - fresh - Wholesale - Not Available - food sample - Surveillance - Official sampling - Objective sampling	batch (food/feed)	25	Gram	ISO 6579:2002/Amd 1:2007	56	0	Salmonella	0
	Vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Surveillance - Official sampling - Objective sampling	single (food/feed)	25	Gram	ISO 6579:2002/Amd 1:2007	303	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
Not Available	Compound feedingstuffs for cattle - process control - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	1575	1	Salmonella	1
	Compound feedingstuffs for horses - process control - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	51	0	Salmonella	0
	Compound feedingstuffs for pigs - process control - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	1467	4	Salmonella	3
								Salmonella Mbandaka	1
	Compound feedingstuffs for poultry (non specified) - process control - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	1346	1	Salmonella	1
	Compound feedingstuffs for poultry, breeders - process control - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	1092	3	Salmonella Mbandaka	3
	Compound feedingstuffs for poultry, broilers - process control - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	2475	0	Salmonella	0
	Compound feedingstuffs for poultry, laying hens - process control - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	3328	2	Salmonella	1
								Salmonella Typhimurium	1
	Compound feedingstuffs for rabbits - process control - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	13	0	Salmonella	0
	Compound feedingstuffs for sheep - process control - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	42	0	Salmonella	0
	Compound feedingstuffs for turkeys - process control - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	73	0	Salmonella	0
	Compound feedingstuffs, not specified - process control - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	80	0	Salmonella	0
	Feed material of cereal grain origin - barley derived - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	36	0	Salmonella	0
	Feed material of cereal grain origin - maize derived - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	247	0	Salmonella	0
	Feed material of cereal grain origin - oat derived - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	35	0	Salmonella	0
	Feed material of cereal grain origin - other cereal grain derived - by-products of brewing and distilling - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	33	0	Salmonella	0
	Feed material of cereal grain origin - other cereal grain derived - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	10	0	Salmonella	0
	Feed material of cereal grain origin - rice derived - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	3	0	Salmonella	0
	Feed material of cereal grain origin - wheat derived - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	240	0	Salmonella	0
	Feed material of land animal origin - bone meal - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	3	0	Salmonella	0
	Feed material of land animal origin - dairy products - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	6	0	Salmonella	0
	Feed material of land animal origin - dairy products - whey powder - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	14	0	Salmonella	0
	Feed material of land animal origin - egg powder - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	1	0	Salmonella	0
	Feed material of land animal origin - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	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	Feed material of oil seed or fruit origin - linseed derived - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	16	0	Salmonella	0
	Feed material of oil seed or fruit origin - other oil seeds derived - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	20	20	Salmonella Agona	1
								Salmonella Infantis	1
								Salmonella Mbandaka	18
	Feed material of oil seed or fruit origin - palm kernel derived - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	22	0	Salmonella	0
	Feed material of oil seed or fruit origin - rape seed derived - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	804	13	Salmonella Agona	11
								Salmonella Infantis	1
								Salmonella Mbandaka	1
	Feed material of oil seed or fruit origin - soya (bean) derived - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	1202	18	Salmonella	2
								Salmonella Agona	1
								Salmonella Anatum	2
								Salmonella Cerro	1
								Salmonella Cubana	2
								Salmonella Infantis	1
								Salmonella Mbandaka	6
								Salmonella Senftenberg	1
								Salmonella Tennessee	1
								Salmonella Typhimurium	1
	Feed material of oil seed or fruit origin - sunflower seed derived - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	535	0	Salmonella	0
	Other feed material - plants - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	12	0	Salmonella	0
	Other feed material - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	166	0	Salmonella	0
	Premixtures - process control - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/feed)	25	Gram	Not Available	92	0	Salmonella	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
Not Available	Cats - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	animal		Not Available	Not Available	572	5	Methicillin resistant Staphylococcus aureus (MRSA)			5
	Cattle (bovine animals) - dairy cows - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	animal		Not Available	Not Available	1062	10	Methicillin resistant Staphylococcus aureus (MRSA)			10
	Dogs - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	animal		Not Available	Not Available	388	5	Methicillin resistant Staphylococcus aureus (MRSA)			5
	Pigs - breeding animals - unspecified - piglets - Farm - Not Available - Not Available - Monitoring - active - Not applicable - Not specified	animal		Not Available	Not Available	70	1	Methicillin resistant Staphylococcus aureus (MRSA)			1
	Solipeds, domestic - horses - Farm - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	animal		Not Available	Not Available	268	17	Methicillin resistant Staphylococcus aureus (MRSA)			17

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
Not Available	Birds - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	Not Available	animal	1	1	Toxoplasma spp., unspecified	1
	Cats - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	Not Available	animal	43	7	Toxoplasma spp., unspecified	7
	Dogs - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	Not Available	animal	168	26	Toxoplasma spp., unspecified	26
	Goats - Farm - Netherlands - Not Available - Clinical investigations - HACCP and own check - Not specified	Not Available	animal	419	1	Toxoplasma spp., unspecified	1
	Sheep - Farm - Netherlands - Not Available - Clinical investigations - HACCP and own check - Not specified	Not Available	animal	377	1	Toxoplasma spp., unspecified	1

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 - fattening pigs - raised under controlled housing conditions - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	Not Available	animal	15241457	0	Trichinella	0
	Solipeds, domestic - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	Not Available	animal	2753	0	Trichinella	0
	Wild boars - wild - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	Not Available	animal	5169	0	Trichinella	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
Not Available	Bats - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	Not Available	animal	1	1	Yersinia pseudotuberculosis	1
	Cattle (bovine animals) - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	Not Available	animal	2339	2	Yersinia pseudotuberculosis	2
				7942	0	Yersinia	0
	Dogs - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	Not Available	animal	718	1	Yersinia enterocolitica	1
	Goats - Farm - Netherlands - Not Available - Clinical investigations - HACCP and own check - Not specified	Not Available	animal	419	1	Yersinia, unspecified sp.	1
	Hares - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	Not Available	animal	21	4	Yersinia enterocolitica	1
						Yersinia pseudotuberculosis	3
	Monkeys - zoo animal - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	Not Available	animal	1	1	Yersinia pseudotuberculosis	1
	Other animals - exotic pet animals - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	Not Available	animal	3	3	Yersinia pseudotuberculosis	3
	Pigs - breeding animals - unspecified - piglets - Farm - Not Available - Not Available - Clinical investigations - HACCP and own check - Suspect sampling	Not Available	animal	2618	3	Yersinia, unspecified sp.	3
	Raccoons - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	Not Available	animal	3	1	Yersinia enterocolitica	1
	Sheep - Farm - Netherlands - Not Available - Clinical investigations - HACCP and own check - Not specified	Not Available	animal	377	2	Yersinia, unspecified sp.	2

FOODBORNE OUTBREAKS TABLES

Foodborne Outbreaks: summarized data

Causative agent	Food vehicle	Outbreak strenght							
		Strong				Weak			
		N outbreaks	N human cases	N hospitalized	N deaths	N outbreaks	N human cases	N hospitalized	N deaths
Bacillus cereus	Bovine meat and products thereof	1	90	0	0				
	Mixed food	1	47	4	0				
Campylobacter, unspecified sp.	Unknown					5	12	1	0
Hepatovirus A	Unknown	1	15	5	0				
Histamine	Fish and fish products	2	9	0	0				
Norovirus	Crustaceans, shellfish, molluscs and products thereof	1	3	0	0				
	Buffet meals	1	21	0	0				
	Unknown	1	17	0	0	15	311	0	0
Parasites	Unknown					1	2	0	0
Salmonella Enteritidis	Unknown	1	23	0	0	1	4	1	0
Salmonella Infantis	Unknown					1	10	0	0
Salmonella spp., unspecified	Unknown	1	9	0	0	8	22	4	0
Salmonella Typhimurium	Unknown					2	21	0	0
Shigella flexneri	Unknown	1	162	1	0				
Unknown	Unknown					621	2,163	0	0

Strong Foodborne Outbreaks: detailed data

Causative agent	Other Causative Agent	FBO nat. code	Outbreak type	Food vehicle	More food vehicle info	Nature of evidence	Setting	Place of origin of problem	Origin of food vehicle	Contributory factors	Comment	N outbreaks	N human cases	N hosp.	N deaths
Bacillus cereus	Not Available	1268074	General	Bovine meat and products thereof	prepared minced meat	Detection of causative agent in food vehicle or its component - Symptoms and onset of illness pathognomonic to causative agent	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	Not Available	Unknown	N_A	1	90	0	0
		1271020	General	Mixed food	couscous with chicken and vegetables	Detection of causative agent in food vehicle or its component - Symptoms and onset of illness pathognomonic to causative agent	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	Not Available	Inadequate chilling	N_A	1	47	4	0
Hepatitis A	Not Available	1261814	General	Unknown	N_A	Analytical epidemiological evidence	Multiple places of exposure in one country	Farm	Bulgaria	Unprocessed contaminated ingredient; Infected food handler	N_A	1	15	5	0
Histamine	Not Available	1258288	Household	Fish and fish products	tuna	Detection of causative agent in food vehicle or its component - Symptoms and onset of illness pathognomonic to causative agent	Household	Unknown	Not Available	Storage time/temperature abuse	N_A	1	4	unk	unk
		1267274	General	Fish and fish products	tuna	Detection of causative agent in food vehicle or its component - Symptoms and onset of illness pathognomonic to causative agent	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	Unknown	Not Available	Storage time/temperature abuse	N_A	1	5	0	0

Causative agent	Other Causative Agent	FBO nat. code	Outbreak type	Food vehicle	More food vehicle info	Nature of evidence	Setting	Place of origin of problem	Origin of food vehicle	Contributory factors	Comment	N outbreaks	N human cases	N hosp.	N deaths
Norovirus	Not Available	1282180	General	Unknown	N_A	Analytical epidemiological evidence	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	Not Available	Other contributory factor	N_A	1	17	0	0
		1289188	General	Crustaceans, shellfish, molluscs and products thereof	oysters	Detection of causative agent in food vehicle or its component - Symptoms and onset of illness pathognomonic to causative agent	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	Farm	Not Available	Unprocessed contaminated ingredient	N_A	1	3	unk	unk
		1289198	General	Buffet meals	N_A	Analytical epidemiological evidence	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	Not Available	Unknown	N_A	1	21	0	0
Salmonella Enteritidis	Not Available	1270952	General	Unknown	N_A	Analytical epidemiological evidence	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	Unknown	Not Available	Unknown	N_A	1	23	0	0
Salmonella spp., unspecified	Not Available	1282194	General	Unknown	N_A	Analytical epidemiological evidence	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	Unknown	Not Available	Unknown	N_A	1	9	0	0
Shigella flexneri	Not Available	1260704	General	Unknown	N_A	Analytical epidemiological evidence	Restaurant or Cafe or Pub or Bar or Hotel or Catering service	Unknown	Not Available	Unknown	N_A	1	162	1	0

Weak Foodborne Outbreaks: detailed data

Causative agent	Other Causative Agent	FBO nat. code	Outbreak type	Food vehicle	More food vehicle info	Nature of evidence	Setting	Place of origin of problem	Origin of food vehicle	Contributory factors	Comment	N outbreaks	N human cases	N hosp.	N deaths
Campylobacter, unspecified sp.	Not Available	N_A	Unknown	Unknown	N_A	Unknown	Not Available	Not Available	Not Available	Not Available	N_A	5	12	1	0
Norovirus	Not Available	N_A	General	Unknown	N_A	Unknown	Not Available	Not Available	Not Available	Not Available	N_A	15	311	unk	unk
Parasites	Not Available	N_A	Household	Unknown	N_A	Unknown	Not Available	Not Available	Not Available	Not Available	tapeworm	1	2	unk	unk
Salmonella Enteritidis	Not Available	N_A	General	Unknown	N_A	Unknown	Not Available	Not Available	Not Available	Not Available	N_A	1	4	1	0
Salmonella Infantis	Not Available	N_A	General	Unknown	N_A	Unknown	Not Available	Not Available	Not Available	Not Available	N_A	1	10	0	0
Salmonella spp., unspecified	Not Available	N_A	Unknown	Unknown	N_A	Unknown	Not Available	Not Available	Not Available	Not Available	N_A	8	22	4	0
Salmonella Typhimurium	Not Available	N_A	General	Unknown	N_A	Unknown	Not Available	Not Available	Not Available	Not Available	N_A	2	21	0	0
Unknown	Not Available	N_A	Unknown	Unknown	N_A	Unknown	Not Available	Not Available	Not Available	Not Available	N_A	621	2,163	unk	unk

ANTIMICROBIAL RESISTANCE TABLES FOR CAMPYLOBACTER

Table Antimicrobial susceptibility testing of *Campylobacter coli* in Meat from sheep - fresh

Sampling Stage: Retail		Sampling Type: food sample - meat		Sampling Context: Surveillance			
Sampler: Official and industry sampling		Sampling Strategy: Objective sampling		Programme Code: OTHER AMR MON			
Analytical Method:							
Country of Origin: Unknown							
MIC	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	4	4	4	4	4	4
	N of resistant isolates	1	0	0	1	0	1
	<=0.12	3		1			
	0.25			3			
	<=0.5						1
	<=1		3				
1					4	2	
2		1					
4				2			
8	1			1			
>64				1		1	

Table Antimicrobial susceptibility testing of Campylobacter coli in Meat from turkey - fresh - chilled

Sampling Stage: Retail

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: food sample - meat

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER AMR MON

MIC	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	3	3	3	3	3	3
	N of resistant isolates	2	1	0	2	0	3
<=0.12		1		2			
0.25				1			
0.5						2	
<=1			2				
1						1	
4					1		
8		1					
16		1					
64					1		1
>64					1		2
>128			1				

Table Antimicrobial susceptibility testing of Campylobacter coli in Cattle (bovine animals) - meat production animals - fattening steers

Sampling Stage: Farm

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Netherlands

Sampling Type: animal sample - faeces

Sampling Strategy: Objective sampling

Sampling Context: Survey - national survey

Programme Code: OTHER AMR MON

MIC	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	7	7	7	7	7	7
	N of resistant isolates	2	0	0	3	1	4
<=0.12		4					
0.25				7			
<=0.5							3
0.5		1					
<=1			6				
1						5	
2			1		1		
4					3	1	
8		2					
>16						1	
64					2		
>64					1		4

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

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Monitoring

Programme Code: AMR MON

MIC	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	83	83	83	83	83	83
	N of resistant isolates	13	5	0	13	61	73
<=0.12		62		5			
0.25		8		52			
<=0.5							6
0.5				26			
<=1			43				
1						11	2
2			30			10	2
4		1	5		39	1	1
8		5			25	1	2
16		4			6	20	1
>16		3				40	
32							1
64					1		6
>64					12		62
>128			5				

Table Antimicrobial susceptibility testing of Campylobacter coli in Meat from broilers (Gallus gallus) - fresh - chilled

Sampling Stage: Wholesale

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: food sample - meat

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER AMR MON

MIC	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	2	2	2	2	2	2
	N of resistant isolates	2	0	0	2	0	0
<=0.12				2			
<=0.5							2
0.5						2	
<=1			2				
2		2					
64					2		

Table Antimicrobial susceptibility testing of Campylobacter coli in Meat from broilers (Gallus gallus) - fresh - chilled

Sampling Stage: Retail

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: food sample - meat

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER AMR MON

MIC	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	25	25	25	25	25	25
	N of resistant isolates	23	5	0	23	4	18
<=0.12		2		15			
0.25				10			
<=0.5							7
0.5						15	
<=1			18				
1						6	
2		2	2		1		
4		10			1		
8		11				1	
16						1	
>16						2	
32			1				
64					12		7
>64					11		11
128			3				
>128			1				

Table Antimicrobial susceptibility testing of Campylobacter coli in Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

	AM substance	Ciprofloxacin	Erythromycin	Gentamicin	Nalidixic acid	Streptomycin	Tetracycline
MIC	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	6	6	6	6	6	6
	N of resistant isolates	6	1	0	6	0	5
	<=0.12			6			
	0.5					6	
	<=1		5				
	2	3					1
	4	2					
	8	1					
	64				6		4
	>64						1
	>128		1				

Table Antimicrobial susceptibility testing of Campylobacter coli in Gallus gallus (fowl) - broilers

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Monitoring

Programme Code: AMR MON

MIC	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	50	50	50	50	50	50
	N of resistant isolates	39	8	0	39	4	40
<=0.12		8		2			
0.25		3		38			
<=0.5							8
0.5				10		1	
<=1			33				
1						39	2
2			8			6	
4		11	1		7		
8		18			4		
16		10				1	
>16						3	
>64					39		40
>128			8				

Table Antimicrobial susceptibility testing of Campylobacter coli in Meat from sheep - meat preparation - intended to be eaten cooked

Sampling Stage: Retail

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: food sample - meat

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER AMR MON

MIC	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	1	1	1	1	1	1
	N of resistant isolates	0	0	0	0	0	1
<=0.12		1					
0.25				1			
<=1			1				
1						1	
4					1		
>64							1

Table Antimicrobial susceptibility testing of Campylobacter jejuni in Meat from bovine animals - fresh

Sampling Stage: Retail

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: food sample - meat

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER AMR MON

MIC	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	3	3	3	3	3	3
	N of resistant isolates	2	0	0	2	0	3
<=0.12		1		3			
<=0.25						1	
0.5						2	
<=1			3		1		
4		1					
16		1					
32							1
64					1		
>64					1		2

Table Antimicrobial susceptibility testing of Campylobacter jejuni in Meat from sheep - fresh

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

	AM substance	Ciprofloxacin	Erythromycin	Gentamicin	Nalidixic acid	Streptomycin	Tetracycline
MIC	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	8	8	8	8	8	8
	N of resistant isolates	4	0	0	4	0	1
	<=0.12	4		8			
	<=0.25					5	
	<=0.5						7
	0.5					3	
	<=1		8				
	2				3		
	4	2			1		
	8	2					
	16						1
	>64				4		

Table Antimicrobial susceptibility testing of Campylobacter jejuni in Meat from turkey - fresh - chilled

Sampling Stage: Retail

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: food sample - meat

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER AMR MON

MIC	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	3	3	3	3	3	3
	N of resistant isolates	2	0	0	2	0	0
<=0.12		1		3			
<=0.5							3
0.5						2	
<=1			3				
2					1	1	
8		1					
16		1					
>64					2		

Table Antimicrobial susceptibility testing of Campylobacter jejuni in Cattle (bovine animals) - meat production animals - fattening steers

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Survey - national survey

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Netherlands

MIC	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	90	90	90	90	90	90
	N of resistant isolates	21	1	0	23	1	16
<=0.12		65		84			
<=0.25						17	
0.25		2		6			
<=0.5							74
0.5		2				58	
<=1			87		2		
1						12	
2			2		49	2	
4		9			15		
8		10			1		
16		2					2
>16						1	
32			1				2
64					2		6
>64					21		6

Table Antimicrobial susceptibility testing of Campylobacter jejuni in Meat from broilers (Gallus gallus) - fresh - chilled

Sampling Stage: Wholesale

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: food sample - meat

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER AMR MON

MIC	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	4	4	4	4	4	4
	N of resistant isolates	4	0	0	4	0	4
<=0.12				4			
<=0.25						3	
0.5						1	
<=1			4				
4		4					
8							1
64					2		
>64					2		3

Table Antimicrobial susceptibility testing of Campylobacter jejuni in Meat from broilers (Gallus gallus) - fresh - chilled

Sampling Stage: Retail

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: food sample - meat

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER AMR MON

MIC	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	49	49	49	49	49	49
	N of resistant isolates	26	0	0	25	1	20
<=0.12		23		49			
<=0.25						25	
<=0.5							29
0.5						22	
<=1			49		5		
1		1				1	
2		1			19		
4		10					
8		9					1
16		3					1
>16		2				1	
32							4
64					2		2
>64					23		12

Table Antimicrobial susceptibility testing of Campylobacter jejuni in Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked

Sampling Stage: Wholesale		Sampling Type: food sample - meat		Sampling Context: Surveillance			
Sampler: Official and industry sampling		Sampling Strategy: Objective sampling		Programme Code: OTHER AMR MON			
Analytical Method:							
Country of Origin: Unknown							
MIC	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	3	3	3	3	3	3
	N of resistant isolates	2	0	0	2	1	2
	<=0.12	1		3			
	<=0.25					1	
	<=0.5						1
	0.5					1	
<=1		3					
2				1			
4	2						
8					1		
>64				2		2	

Table Antimicrobial susceptibility testing of Campylobacter jejuni in Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked

Sampling Stage: Retail

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: food sample - meat

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER AMR MON

	AM substance	Ciprofloxacin	Erythromycin	Gentamicin	Nalidixic acid	Streptomycin	Tetracycline
MIC	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	8	8	8	8	8	8
	N of resistant isolates	7	0	0	6	0	7
	<=0.12	1		8			
	<=0.25					8	
	<=0.5						1
	<=1		8		1		
	2				1		
	4	4					
	8	2					
	16	1					
	32						1
	64				3		1
	>64				3		5

Table Antimicrobial susceptibility testing of Campylobacter jejuni in Gallus gallus (fowl) - broilers

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Monitoring

Programme Code: AMR MON

MIC	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	157	157	157	157	157	157
	N of resistant isolates	106	0	0	104	0	93
<=0.12		47		107			
<=0.25						6	
0.25		4		49			
<=0.5							59
0.5				1		86	
<=1			108				
1						64	5
2			46		7	1	
4		3	3		46		
8		50					
16		42					8
>16		11					
32							4
64							12
>64					104		69

ANTIMICROBIAL RESISTANCE TABLES FOR SALMONELLA

Table Antimicrobial susceptibility testing of Salmonella 1,4,12:d:- in Spices and herbs - fresh

Sampling Stage: Border inspection activities
 Sampling Type: food sample
 Sampling Context: Surveillance

Sampler: Official and industry sampling
 Sampling Strategy: Objective sampling
 Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Laos

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	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	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												
16					1									
32											1			

Table Antimicrobial susceptibility testing of Salmonella 1,4,5,12:i:- in Sheep

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Monitoring

Programme Code: OTHER AMR MON

MIC	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	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	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	N of resistant isolates	3	2	0	0	2	0	0	0	0	0	3	3	0	2
	<=0.015	3													
	<=0.03	3													
	<=0.25	3													
	<=0.5	3													
	0.5	1													
	<=1	3													
	1	1													
	<=4	3													
	<=8	1													
8	1														
>32	2														
>64	3	2											3		
>128	2														
>1024	3														

Table Antimicrobial susceptibility testing of Salmonella 1,4,5,12:i:- in Cattle (bovine animals) - unspecified

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Monitoring

Programme Code: OTHER AMR MON

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	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	0	0	0	1	0	0	1	0	0	1	1	0	0
MIC														
<=0.03	2													
0.03	2													
<=0.25	2													
<=0.5	2													
0.5	1													
<=1	2													
<=2	1													
<=4	1													
4	1													
<=8	1													
8	1													
16	1													
>32	1													
>64	2													
>128	1													
>1024	1													

Table Antimicrobial susceptibility testing of Salmonella 1,4,5,12:i:- in Pigs - fattening pigs

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	19	19	19	19	19	19	19	19	19	19	19	19	19	19
N of resistant isolates	15	0	0	0	0	0	0	0	0	0	14	11	0	0
MIC														
<=0.015	1													
<=0.03	10													
0.03	17													
0.064	1													
<=0.25	19													
<=0.5	19													
0.5	17													
<=1	19													
1	2													
<=2	8													
2	1													
<=4	17													
4	2													
<=8	18													
8	13													
16	1													
32	1													
>64	15													
>1024	14													

Table Antimicrobial susceptibility testing of Salmonella 1,4,5,12:i:- in Goats

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Monitoring

Programme Code: OTHER AMR MON

MIC	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	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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
	N of resistant isolates	4	2	0	0	2	0	0	0	0	0	4	4	0	2	
<=0.015							1									
<=0.03										4						
0.03							3									
<=0.25			4				2									
<=0.5					4				4							
0.5														2		
<=1								4								
1														2		
<=4												4				
4			1													
<=8						2										
8			1													
>32															2	
64						1										
>64		4		2											4	
>128						1										
>1024												4				

Table Antimicrobial susceptibility testing of Salmonella 1,4,5,12:i:- in Turkeys - fattening flocks

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Control and eradication programmes

Programme Code: OTHER AMR MON

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	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	0	0	0	0	0	0	0	0	1	1	0	0
	MIC														
<=0.03	1														
0.03	1														
<=0.25	1												1	1	
<=0.5	1							1							
<=1	1														
<=4	1														
<=8	1														
8	1														
>64	1												1		
>1024	1														

Table Antimicrobial susceptibility testing of Salmonella 4,12:i:- in Pigs - fattening pigs

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Monitoring

Programme Code: OTHER AMR MON

MIC	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	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	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	N of resistant isolates	8	0	0	0	2	0	1	0	0	0	8	7	0	0
<=0.015	1														
<=0.03	4														
0.03	7														
0.064	4														
<=0.25	828														
<=0.5	86														
0.5	6														
<=1	7														
1	2														
<=2	1														
<=4	7														
4	11														
<=8	6														
8	71														
>64	87														
>128	2														
>1024	8														

Table Antimicrobial susceptibility testing of Salmonella 4,12:i:- in Gallus gallus (fowl) - laying hens

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

MIC	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	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	0	0	0	0	0	0	0	0	0	2	2	0	0
<=0.03															
0.03															
0.064															
<=0.25															
<=0.5															
0.5															
<=1															
1															
<=4															
4															
<=8															
8															
>64															
>1024															

Table Antimicrobial susceptibility testing of Salmonella Abortusequi in Meat from bovine animals - meat preparation

Sampling Stage: Farm

Sampling Type: food sample

Sampling Context: Survey - national survey

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	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													
<=2												1		
2							1							
<=4										1				
<=8					1									
8		1												
32											1			

Table Antimicrobial susceptibility testing of Salmonella Agona in Gallus gallus (fowl) - breeding flocks for broiler production line

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Monitoring - EFSA specifications

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Netherlands

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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03	2													
0.03	2													
<=0.25	2													
<=0.5	2													
0.5	2													
<=1	2													
<=2	2													
<=4	2													
<=8	2													
8	2													

Table Antimicrobial susceptibility testing of Salmonella Anatum in Meat from other animal species or not specified - fresh - frozen

Sampling Stage: Wholesale

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	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													
<=2	1													
<=4	1													
<=8	1													
8	1													
64	1													

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

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Control and eradication programmes

Programme Code: OTHER AMR MON

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	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	0	0	1	1	0	0	0	1	1	1	1	0
MIC														
<=0.03									1					
<=0.25			1											
<=0.5				1				1						
0.5														1
<=1							1							
1						1								
2													1	
16		1												
>64	1											1		
>128					1					1				
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Bovismorbificans in Gallus gallus (fowl) - broilers

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Control and eradication programmes

Programme Code: OTHER AMR MON

MIC	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	<=0.03	2														
0.03	2															
<=0.25	2				2											
<=0.5	2															
0.5	2															
<=1	1	1														
1									1							
<=2													2			
2	1							1	1							
<=4												2				
4	2															
<=8	2															
16	2															

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

Sampling Stage: Slaughterhouse

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: food sample - carcass swabs

Sampling Strategy: Objective sampling

Sampling Context: Monitoring - EFSA specifications

Programme Code: AMR MON

MIC	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<=0.03	1													
0.03	1														
<=0.25	11														
<=0.5	1														
<=1	1														
<=2	1														
2	1														
<=4	1														
<=8	1														
16	1														
64	1														

Table Antimicrobial susceptibility testing of Salmonella Brandenburg in Cattle (bovine animals) - unspecified

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Monitoring

Programme Code: OTHER AMR MON

MIC	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<=0.03	1														
0.03						1									
<=0.25			1											1	
<=0.5				1											
0.5													1		
<=1							1								
2								1							
<=4										1					
4	1											1			
16			1			1									
32											1				

Table Antimicrobial susceptibility testing of Salmonella Brunei in Crustaceans - shrimps - cooked

Sampling Stage: Border inspection activities

Sampling Type: food sample

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Bangladesh

MIC	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<=0.015	1														
<=0.03	1														
<=0.25	1														
<=0.5	1														
<=1	1														
<=2	1														
2	1														
<=4	1														
4	1														
<=8	1														
32	1														

Table Antimicrobial susceptibility testing of Salmonella Coeln in Meat from broilers (Gallus gallus) - carcase - chilled

Sampling Stage: Slaughterhouse

Sampling Type: food sample - neck skin

Sampling Context: Monitoring - EFSA specifications

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Unknown

MIC	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<=0.03	1													
0.03	1														
<=0.25	1														
<=0.5	1														
<=1	1														
<=2	1														
2	1														
<=4	1														
<=8	1														
8	1														
32	1														

Table Antimicrobial susceptibility testing of Salmonella Cubana in Meat from bovine animals - meat preparation

Sampling Stage: Farm

Sampling Type: food sample

Sampling Context: Survey - national survey

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

MIC	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<=0.015															
<=0.03															
<=0.25															
<=0.5															
<=1															
<=2															
<=4															
<=8															
8															
32															

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

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcass swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	0	0	0	0	0	0	0	0	0	0	0	1	0	0
MIC														
0.03						1								
0.064									1					
<=0.25			1										1	
<=0.5				1				1						
0.5														1
<=1	1						1							
<=4										1				
8		1												
16					1									
32											1	1		

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

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

MIC	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	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	0	0	0	0	0	0	1	0	0	0	0	0	0	0

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

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Control and eradication programmes

Programme Code: OTHER AMR MON

MIC	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<=0.03		1													
0.03		1													
<=0.25		1													
<=0.5		1													
0.5		1													
<=1		1													
<=2		1													
<=4		1													
4		1													
<=8		1													
8		1													

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

Sampling Stage: Retail

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: food sample - meat

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER AMR MON

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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03	2													
0.03	2													
<=0.25	2													
<=0.5	2													
0.5	1													
<=1	2													
1	1													
<=2	1													
2	1													
<=4	2													
4	1													
<=8	2													
8	1													
16	1													
64	2													

Table Antimicrobial susceptibility testing of Salmonella Dublin in Meat from bovine animals - fresh

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	0	0	0	0	0	1	1	0	0	1	0	0	0	0
MIC														
<=0.03	1													
<=0.25	1													
0.25	1													
<=0.5	1													
0.5	1													
<=1	1													
<=2	1													
4	1													
<=8	1													
64	1													
>128	1													

Table Antimicrobial susceptibility testing of Salmonella Dublin in Meat from bovine animals - meat preparation - intended to be eaten raw

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	0	0	0	0	0	0	1	0	0	0	0	0	0	0
MIC														
<=0.015	1													
<=0.03	1													
<=0.25	1													
<=0.5	1													
0.5	1													
<=1	1													
<=2	1													
<=4	1													
4	1													
<=8	1													
32	1													

Table Antimicrobial susceptibility testing of Salmonella Dublin in Meat from bovine animals - meat preparation

Sampling Stage: Farm

Sampling Type: food sample

Sampling Context: Survey - national survey

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	0	0	0	0	0	0	1	0	0	0	0	0	0	0
MIC														
<=0.015	1													
<=0.03	1													
<=0.25	1													
<=0.5	1													
0.5	1													
<=1	1													
<=2	1													
<=4	1													
4	1													
<=8	1													
32	1													

Table Antimicrobial susceptibility testing of Salmonella Dublin in Cattle (bovine animals) - unspecified

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Monitoring

Programme Code: OTHER AMR MON

MIC	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	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	18	18	18	18	18	18	18	18	18	18	18	18	18	18
	N of resistant isolates	3	2	0	0	4	1	14	2	0	1	5	4	0	3
<=0.015															
<=0.03															
0.03															
0.064															
<=0.25															
0.25															
<=0.5															
0.5															
<=1															
1															
<=2															
2															
<=4															
4															
<=8															
8															
16															
32															
>32															
64															
>64															
128															
>128															
>1024															

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

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	0	0	0	0	0	0	1	0	0	0	0	0	0	0
MIC														
<=0.015	1													
<=0.03	1													
<=0.25	1													
<=0.5	1													
0.5	1													
<=1	1													
<=2	1													
<=4	1													
4	1													
<=8	1													

Table Antimicrobial susceptibility testing of Salmonella Dublin in Gallus gallus (fowl) - broilers

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Control and eradication programmes

Programme Code: OTHER AMR MON

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	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	0	0	0	0	0	0	1	0	0	0	0	0	0	0
MIC														
<=0.015	1													
<=0.03	1													
<=0.25	1													
<=0.5	1													
0.5	1													
<=1	1													
<=2	1													
<=4	1													
4	1													
<=8	1													

Table Antimicrobial susceptibility testing of Salmonella enterica, subspecies diarizonae in Meat from other animal species or not specified - fresh - frozen

Sampling Stage: Wholesale

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

MIC	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<=0.015	1														
<=0.03	1														
<=0.25	1														
<=0.5	1														
<=1	1	1													
<=2	1														
<=4	1														
<=8	1														
8	1														
32	1														

Table Antimicrobial susceptibility testing of Salmonella enterica, subspecies diarizonae in Meat from sheep - fresh

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03	2													
0.03	2													
<=0.25	2													
<=0.5	2													
0.5	2													
<=1	2													
<=2	2													
<=4	2													
<=8	2													
8	2													
32	2													

Table Antimicrobial susceptibility testing of Salmonella enterica, subspecies diarizonae in Meat from broilers (Gallus gallus) - fresh - chilled

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	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 Enteritidis in Gallus gallus (fowl) - broilers

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

MIC	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	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	18	18	18	18	18	18	18	18	18	18	18	18	18	18
	N of resistant isolates	0	0	0	0	0	0	4	0	0	0	0	0	0	0
	<=0.03										14				
0.03							17								
0.064							1				4				
<=0.25				18										14	11
<=0.5					18					18					
0.5													4	7	
<=1	3							1							
<=2													18		
2	14							13							
<=4											17				
4	1	3					4								
<=8						18						9			
8			15							1					
16											9				

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

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Monitoring - EFSA specifications

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Netherlands

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	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	0	0	0	0	0	0	1	0	0	0	0	0	0	0
MIC														
<=0.015						1								
<=0.03									1					
0.03						1								
0.064									1					
<=0.25			2										1	1
<=0.5				2				2						
0.5													1	1
<=1	1													
<=2												2		
2	1						1							
<=4										2				
4		1					1							
<=8					2						1			
8		1												
16											1			

Table Antimicrobial susceptibility testing of Salmonella Fresno in Gallus gallus (fowl) - broilers

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Control and eradication programmes

Programme Code: OTHER AMR MON

MIC	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	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	0	0	0	0	0	0	0	0	0	0	1	0	0	1
	<=0.015	1													
	<=0.03	1													
	<=0.25	1													
	<=0.5	1													
<=1	1														
<=2	1														
2	1														
<=4	1														
4	1														
<=8	1														
>32	1														
>1024	1														

Table Antimicrobial susceptibility testing of Salmonella Glostrup in Gallus gallus (fowl) - broilers

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Control and eradication programmes

Programme Code: OTHER AMR MON

MIC	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<=0.03		1														
0.03		1														
<=0.25		1												1		1
<=0.5		1							1							
<=1		1														
<=2		1														
2		1														
<=4		1														
4		1														
<=8		1														

Table Antimicrobial susceptibility testing of Salmonella Goettingen in Cattle (bovine animals) - unspecified

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

MIC	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<=0.03	1														
0.03	1														
<=0.25	1														
<=0.5	1														
0.5	1														
<=1	1														
2	1														
4															
8	1														
16	1														
64	1														

Table Antimicrobial susceptibility testing of Salmonella Goldcoast in Cattle (bovine animals) - unspecified

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	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														
<=8	1										1				
8	1														

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

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	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													
<=2	1													
2	1													
<=4	1													
4	1													
<=8	1													

Table Antimicrobial susceptibility testing of Salmonella Goverdhan in Meat from pig - meat preparation - intended to be eaten cooked

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	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													
0.5	1													
<=1	1													
<=2	1													
<=4	1													
4	1													
<=8	1													
64	1													

Table Antimicrobial susceptibility testing of Salmonella group B in Gallus gallus (fowl) - broilers

Sampling Stage: Farm

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Netherlands

Sampling Type: animal sample - faeces

Sampling Strategy: Objective sampling

Sampling Context: Monitoring - EFSA specifications

Programme Code: OTHER AMR MON

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	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	0	0	0	0	0	0	0	0	1	0	0	1
MIC														
<=0.03									1					
0.03						1								
<=0.25			1											
<=0.5				1				1						
0.5													1	
<=1							1							
<=2												1		
<=4										1				
4		1												
<=8					1									
>32														1
>64	1													
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Hadar in Spices and herbs - dried

Sampling Stage: Retail

Sampling Type: food sample

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	0	0	0	1	0	0	0	1	0	1	0	0
MIC														
<=0.03									1					
<=0.25			1											1
<=0.5				1				1						
0.5						1							1	
<=1							1							
<=8					1									
8		1												
32											1			
64												1		
>64	1													
>128										1				

Table Antimicrobial susceptibility testing of Salmonella Heidelberg in Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked

Sampling Stage: Border inspection activities

Sampling Type: food sample

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON pnl2

Analytical Method:

Country of Origin: Brazil

AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	Imipenem	Meropenem	Temocillin
Cefotaxime synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Ceftazidime synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
ECOFF	0.125	0.5	0.125	0.125	2	0.125	0.125	0.125	0.125	0.125
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	64
N of tested isolates	5	5	5	5	5	5	5	5	5	5
N of resistant isolates	4	5	5	5	5	5	1	0	0	0
MIC										
<=0.015							1			
<=0.03									1	
0.03							2			
0.064							1		4	
0.12	1						1			
0.25								3		
0.5	3							2		
1	1									
4			1							3
8		1			1	1				1
16		2	3	1	2	2				1
32		2	1	1	2	2				
64				2						
>64				1						

Table Antimicrobial susceptibility testing of Salmonella Heidelberg in Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked

Sampling Stage: Border inspection activities

Sampling Type: food sample

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Brazil

MIC	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	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	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	N of resistant isolates	5	0	5	5	0	5	0	0	0	5	5	5	0	0
	<=0.03										1				
0.064										4					
<=0.25															3
<=0.5								4							
0.5						4							4	2	
<=1							4								
1								1							1
2						1	1								
4			1												
>4				5											
<=8					5										
8				3	2										
>8					3										
16			1												
64												1			
>64	5											4			
>128											5				
>1024												5			

Table Antimicrobial susceptibility testing of Salmonella Hvittingfoss in Meat from other animal species or not specified - fresh - frozen

Sampling Stage: Wholesale

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

MIC	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<=0.03		1														
0.03		1														
<=0.25		1												1		1
<=0.5		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 - carcase swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	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													
<=2	1													
2	1													
<=4	1													
<=8	1													
8	1													
32	1													

Table Antimicrobial susceptibility testing of Salmonella Infantis in Meat from broilers (Gallus gallus) - fresh - chilled

Sampling Stage: Wholesale

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	1	0	0	0	1	1	0	0	1	1	1	1	1
MIC														
0.064									1					
<=0.25			1											
0.25						1								
<=0.5				1				1						
2													1	
16					1									
>16							1							
32		1												
>32														1
64	1													
>64												1		
128										1				
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Infantis in Meat from broilers (Gallus gallus) - fresh - chilled

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

MIC	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	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	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	N of resistant isolates	0	0	0	0	0	3	0	0	0	3	3	3	0	2
<=0.03	4														
0.03	1														
<=0.25	4														
0.25	3														
<=0.5	3														
0.5	1														
<=1	1	4													
1	1														
2	2	3													
<=4	1														
4	1	1													
<=8	1														
8	3														
16	1														
32	3														
>32	1														
>64	3														
128	1														
>128	2														
>1024	3														

Table Antimicrobial susceptibility testing of Salmonella Infantis in Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked

Sampling Stage: Wholesale

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	0	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	1													
1	1													
2	1													
<=8	1													
8	1													
>32	1													
>64	1													
128	1													
>1024	1													

Table Antimicrobial susceptibility testing of Salmonella Infantis in Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

MIC	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	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	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	0	0	2	2	2	0	0
	<=0.03	3													
0.03	1														
<=0.25	3			2						3			1	1	
<=0.5					3										
0.5	1						2								2
<=1	1	3													
1					1										
<=2													1		
2	1						1								
<=4											1				
<=8						2									
8			2												
16			1												
32												1			
>64	1											2			
>128											2				
>1024												2			

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

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Monitoring - EFSA specifications

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Netherlands

MIC	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	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	0	0	0	0	0	0	0	0	0	0	1	0	0	1
<=0.03										2					
0.03							2								
<=0.25			2									1		1	
<=0.5					2		2								
0.5														1	
<=1		2		2											
<=2													2		
<=4											1				
<=8						2					1				
8			2												
16											1				
>32															1
>1024												1			

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

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Control and eradication programmes

Programme Code: OTHER AMR MON

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	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	8	8	8	8	8	8	8	8	8	8	8	8	8	8
N of resistant isolates	0	0	0	0	0	4	0	0	0	4	3	1	1	1
MIC														
<=0.03	8													
0.03	4													
<=0.25	8													
0.25	1													
<=0.5	6													
0.5	2													
<=1	1													
1	2													
<=2	1													
2	6													
<=4	4													
4	1													
<=8	3													
8	5													
16	3													
>32	5													
>64	1													
>128	4													
>1024	3													

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

Sampling Stage: Farm

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Netherlands

Sampling Type: animal sample - faeces

Sampling Strategy: Objective sampling

Sampling Context: Monitoring - EFSA specifications

Programme Code: AMR MON

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	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	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													
<=2	1													
<=4	1													
4	1													
<=8	1													

Table Antimicrobial susceptibility testing of Salmonella Infantis in Meat from broilers (Gallus gallus) - carcase - chilled

Sampling Stage: Slaughterhouse

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: food sample - neck skin

Sampling Strategy: Objective sampling

Sampling Context: Monitoring - EFSA specifications

Programme Code: AMR MON

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	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	0	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	1													
1	1													
2	1													
8	1													
16	1													
>32	1													
>64	1													
>128	1													
>1024	1													

Table Antimicrobial susceptibility testing of Salmonella Javiana in Spices and herbs - fresh

Sampling Stage: Border inspection activities

Sampling Type: food sample

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Laos

MIC	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<=0.03										1					
0.03							1								
<=0.25			1										1		1
<=0.5					1			1							
<=1		1							1						
<=2												1			
<=8						1									
8			1	1											
32												1			

Table Antimicrobial susceptibility testing of Salmonella Jerusalem in Gallus gallus (fowl) - broilers

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Control and eradication programmes

Programme Code: OTHER AMR MON

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	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	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									4					
0.03						4								
<=0.25			4										2	4
<=0.5				4				3						
0.5													2	
<=1	3						4							
1								1						
<=2												4		
2	1													
<=4										4				
<=8					4						4			
8		4												

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

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Control and eradication programmes

Programme Code: OTHER AMR MON

MIC	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	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	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
	<=0.03										2				
0.03							4								
0.064										2					
<=0.25				4										3	3
<=0.5					4					4					
0.5													1	1	
<=1	1							4							
<=2													4		
2	3														
<=4										4					
<=8						1						2			
8			4												
16						3						2			

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

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Monitoring - EFSA specifications

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Netherlands

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	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	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													
<=2	1													
<=4	1													
4	1													
<=8	1													

Table Antimicrobial susceptibility testing of Salmonella Kottbus in Cattle (bovine animals) - unspecified

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

MIC	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<=0.03		1														
0.03		1														
<=0.25		1												1		1
<=0.5		1														
<=1		1	1													
<=2		1														
<=4		1														
<=8		1														
8		1														
16		1														

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

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Monitoring - EFSA specifications

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Netherlands

MIC	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	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	0	0	0	0	0	0	0	0	0	0	0	1	0	0
<=0.03		1													
0.03		1													
<=0.25		1													
<=0.5		1													
<=1		1													
1		1													
<=4		1													
<=8		1													
8		1													
>64		1													

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

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
<=0.03														
0.03														
<=0.25														
<=0.5														
0.5														
<=1														
1														
<=2														
2														
<=4														
<=8														
16														
64														

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

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	0	0	0	0	0	0	0	0	0	0	1	0	0	1
MIC														
0.03						1								
0.064									1					
<=0.25			1										1	
<=0.5								1						
<=1	1						1							
1				1										
<=2												1		
<=4										1				
16		1			1									
>32														1
>1024											1			

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

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Control and eradication programmes

Programme Code: OTHER AMR MON

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	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	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													
<=2	1													
<=4	1													
<=8	1													
8	1													

Table Antimicrobial susceptibility testing of Salmonella Matopeni in Meat from other animal species or not specified - fresh - frozen

Sampling Stage: Wholesale

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	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												
64											1			

Table Antimicrobial susceptibility testing of Salmonella Mbandaka in Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked

Sampling Stage: Border inspection activities

Sampling Type: food sample

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Thailand

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	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	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													
2	1													
<=4	1													
4	1													
16	1													
32	1													

Table Antimicrobial susceptibility testing of Salmonella Mbandaka in Other processed food products and prepared dishes

Sampling Stage: Retail

Sampling Type: food sample

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

MIC	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<=0.015	1													
<=0.03	2														
0.03	1														
<=0.25	2												2	1	
<=0.5	1							2							
0.5															1
<=1	2	2													
1					1										
<=2													1		
<=4											2				
4													1		
<=8						2									
8	2														
32												1			
64												1			

Table Antimicrobial susceptibility testing of Salmonella Minnesota in Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked

Sampling Stage: Border inspection activities

Sampling Type: food sample

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON pnl2

Analytical Method:

Country of Origin: Brazil

AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	Imipenem	Meropenem	Temocillin
Cefotaxime synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Ceftazidime synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
ECOFF	0.125	0.5	0.125	0.125	2	0.125	0.125	0.125	0.125	0.125
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	64
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							1		
4										1
8			1			1				
16		1								
32					1					
64				1						

Table Antimicrobial susceptibility testing of Salmonella Minnesota in Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked

Sampling Stage: Border inspection activities

Sampling Type: food sample

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Brazil

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	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	0	1	0	0	0	0	1	1	0	0
MIC														
0.064									1					
<=0.5								1						
0.5						1							1	1
<=1							1							
4		1												
>4			1											
<=8					1									
>8				1										
16										1				
>64	1											1		
>1024											1			

Table Antimicrobial susceptibility testing of Salmonella Minnesota in Gallus gallus (fowl) - broilers

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	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
<=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 Montevideo in Meat from bovine animals - meat preparation

Sampling Stage: Farm

Sampling Type: food sample

Sampling Context: Survey - national survey

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
0.03						2								
0.064									2					
<=0.25			2										2	1
<=0.5				2				2						
0.5														1
<=1	1						2							
<=2												2		
2	1													
<=4										2				
<=8					2									
8		2												
32											2			

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

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Control and eradication programmes

Programme Code: OTHER AMR MON

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	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	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
<=0.5				1										
0.5													1	
1								1						
<=2												1		
2	1						1							
<=4										1				
<=8					1						1			
8		1												

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

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	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							
<=2												1		
2	1													
<=4										1				
<=8					1						1			
8		1												

Table Antimicrobial susceptibility testing of Salmonella Muenster in Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	0	0	0	0	0	1	0	0	0	1	0	0	0	0
MIC														
<=0.03	1													
<=0.25	1													
<=0.5	1													
0.5	1													
<=1	1													
1	1													
2	1													
4	1													
16	1													
32	1													

Table Antimicrobial susceptibility testing of Salmonella Orion in Gallus gallus (fowl) - broilers

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Control and eradication programmes

Programme Code: OTHER AMR MON

MIC	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<=0.015	1														
<=0.03	1														
<=0.25	11														
<=0.5	1														
<=1	1	1													
<=2	1														
<=4	1														
4	1														
<=8	1														

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

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcass swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Unknown

MIC	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
										1					
							2								
										1					
				2										2	
					2				2						
															2
		2						1							
											1				
						2									
			2								1				
												1			

Table Antimicrobial susceptibility testing of Salmonella Paratyphi in Gallus gallus (fowl) - broilers

Sampling Stage: Farm

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Netherlands

Sampling Type: animal sample - faeces

Sampling Strategy: Objective sampling

Sampling Context: Monitoring - EFSA specifications

Programme Code: OTHER AMR MON

MIC	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	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	0	1	0	0	0	1	0	0	0	1	2	1	0	1
<=0.03	2														
0.03	1														
<=0.25	2														
0.25	1														
<=0.5	2														
0.5	1														
<=1	1	2													
1	1														
<=2	1														
<=4	1														
4	1	2													
<=8	2														
8	1														
32	1														
>32	1														
>64	1														
>128	1														
>1024	2														

Table Antimicrobial susceptibility testing of Salmonella Paratyphi B in Meat from other animal species or not specified - fresh - frozen

Sampling Stage: Wholesale

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	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													
0.5	1													
<=1	1													
<=2	1													
<=8	1													
8	1													
32	1													

Table Antimicrobial susceptibility testing of Salmonella Paratyphi B in Meat from bovine animals - meat preparation - intended to be eaten cooked

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	0	0	0	0	0	1	0	0	0	1	0	0	0	1
MIC														
<=0.03	1													
<=0.25	1													
<=0.5	1													
1	1													
2	1													
4	1													
16	1													
32	1													
>32	1													
>128	1													

Table Antimicrobial susceptibility testing of Salmonella Paratyphi B in Meat from broilers (Gallus gallus) - fresh - chilled

Sampling Stage: Wholesale

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: food sample - meat

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER AMR MON

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	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	0	0	0	0	0	2	0	0	0	2	2	1	0	2
MIC														
<=0.03	2													
<=0.25	2													
0.25	1													
<=0.5	1													
0.5	2													
<=1	1													
1	2													
1	1													
<=2	1													
4	1													
<=8	1													
16	1													
>32	2													
>64	1													
>128	2													
>1024	2													

Table Antimicrobial susceptibility testing of Salmonella Paratyphi B in Meat from broilers (Gallus gallus) - fresh - chilled

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	0	0	0	0	0	0	0	0	1	0	0	1
MIC														
<=0.03	1													
0.03	1													
<=0.25	1													
<=0.5	1													
<=1	1													
<=2	1													
<=4	1													
<=8	1													
>32	1													
>64	1													
>1024	1													

Table Antimicrobial susceptibility testing of Salmonella Paratyphi B in Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked

Sampling Stage: Wholesale

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	0	0	0	1	0	1	0	1	1	1	0	1
MIC														
<=0.03	1													
0.5	1													
<=1	1													
1	1													
8	1													
16	1													
>32	1													
>64	1													
>128	1													
>1024	1													

Table Antimicrobial susceptibility testing of Salmonella Paratyphi B in Gallus gallus (fowl) - broilers

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Control and eradication programmes

Programme Code: OTHER AMR MON

MIC	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	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	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
	N of resistant isolates	0	0	0	0	0	2	0	0	0	2	2	0	0	4	
<=0.03										3						
0.03							2									
0.064										1						
<=0.25				4				1								
<=0.5					4				4							
0.5							2								3	
<=1		2		3												
<=2													2			
2		2		1												
<=4											2					
4			1			2										
<=8						2										
8			3													
16						2										
>32																
>128											2					
>1024												2				

Table Antimicrobial susceptibility testing of Salmonella Paratyphi B in Meat from broilers (Gallus gallus) - carcase - chilled

Sampling Stage: Slaughterhouse

Sampling Type: food sample - neck skin

Sampling Context: Monitoring - EFSA specifications

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Unknown

MIC	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	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	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	N of resistant isolates	2	0	0	0	0	5	0	0	0	5	2	0	0	7	
<=0.03										3						
0.03						2										
0.064										4						
<=0.25	7											1				
<=0.5					6	7										
0.5						3							4			
<=1							6									
1					1	2							2			
<=2												4				
2	4								1							
<=4											2					
4	1	4												3		
<=8						5										
8			2													
16			1			2									1	
32											4					
>32														7		
>64	2															
>128											5					
>1024												2				

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

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Control and eradication programmes

Programme Code: OTHER AMR MON

MIC	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	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	0	0	0	0	0	1	0	0	0	1	0	0	0	0		
	<=0.03										1						
0.03							1										
0.064										1							
<=0.25				1										1	1		
<=0.5					1					1							
0.5				1				1							1	1	
<=1								2									
1					1					1							
<=2													2				
2	2																
<=4											1						
<=8						2									1		
8			2														
16												1					
>128											1						

Table Antimicrobial susceptibility testing of Salmonella Stourbridge in Gallus gallus (fowl) - broilers

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Control and eradication programmes

Programme Code: OTHER AMR MON

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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MIC														
0.064						1			1					
<=0.25			1										1	
<=0.5				1				1						
0.5														1
<=1							1							
<=2												1		
2	1													
<=8					1									
8		1								1				
16											1			

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

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

MIC	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<=0.03	1													
0.064	1														
<=0.25	1														
<=0.5	1														
0.5	1														
<=1	1														
<=2	1														
2	1														
<=8	1														
8	1														
16	1														

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

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Control and eradication programmes

Programme Code: OTHER AMR MON

MIC	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	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	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
<=0.03	4														
0.03	4														
<=0.25	4														
<=0.5	4														
0.5	1														
<=1	3	3													
1	1														
<=2	4														
2	1	1													
<=4	4														
<=8	4														
8	4														

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

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Monitoring

Programme Code: OTHER AMR MON

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	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	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	4														
0.03	4														
<=0.25	4														
<=0.5	4														
<=1	2	4													
<=2	4														
2	2														
<=4	4														
<=8	4														
8	4														
16												2			
32												2			

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 and industry sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Unknown

MIC	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	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	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	N of resistant isolates	1	0	0	0	0	0	0	0	0	0	1	2	0	2	
<=0.03										1						
0.03							3									
0.064										2						
<=0.25				3											2	
<=0.5					3					2						
0.5													1	1		
<=1	1							3								
1									1							
<=2													1			
<=4											3					
4	1															
<=8						2										
8			3													
16						1										
32												1				
>32																2
64												1	1			
>64	1															
>1024												1				

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Sheep

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Monitoring

Programme Code: OTHER AMR MON

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	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	6	6	6	6	6	6	6	6	6	6	6	6	6	6
N of resistant isolates	6	0	0	0	0	1	0	0	0	0	6	6	1	6
MIC														
<=0.015						4								
<=0.03									5					
0.03						1								
0.064									1					
0.12						1								
<=0.25			5											
<=0.5				6				4						
0.5			1											
<=1							6							
1								2					5	
<=4										5				
4		2											1	
<=8					5									
8		2												
16		2			1					1				
>32														6
>64	6											6		
>1024											6			

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Cattle (bovine animals) - unspecified

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Monitoring

Programme Code: OTHER AMR MON

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	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	16	16	16	16	16	16	16	16	16	16	16	16	16	16
N of resistant isolates	10	0	0	0	9	0	0	6	0	0	13	13	0	4
MIC														
<=0.015						6								
<=0.03									11					
0.03						10								
0.064									5					
<=0.25			15										4	11
<=0.5				16				10						
0.5			1										9	1
<=1	1						15							
1													3	
<=2												3		
2	5						1							
<=4										13				
4		6												
<=8					7						1			
8		7								3				
16		3									2			
32								2				1		
>32								4						4
64												1		
>64	10											11		
>128					9									
>1024											13			

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

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

MIC	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	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	18	18	18	18	18	18	18	18	18	18	18	18	18	18
	N of resistant isolates	15	0	0	0	3	0	0	0	0	0	0	11	11	1
<=0.015															
<=0.03															
0.03															
0.064															
<=0.25															
<=0.5															
0.5															
<=1															
1															
<=2															
2															
<=4															
4															
<=8															
8															
16															
32															
>32															
64															
>64															
>128															
>1024															

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked

Sampling Stage: Border inspection activities

Sampling Type: food sample

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Thailand

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	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	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													
<=2	1													
<=4	1													
<=8	1													
8	1													
64	1													

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

Sampling Stage: Slaughterhouse

Sampling Type: animal sample - caecum

Sampling Context: Control and eradication programmes

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	0	0	0	0	0	0	0	0	0	0	2	2	0	0
MIC														
0.03						2								
0.064									2					
<=0.25			2											2
<=0.5				2				2						
0.5													1	
<=1	1						2							
1													1	
2	1													
<=4										2				
4		1												
<=8					2									
8		1												
>64												2		
>1024											2			

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Spices and herbs - dried

Sampling Stage: Retail

Sampling Type: food sample

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	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													
<=2	1													
<=4	1													
4	1													
<=8	1													
32	1													

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Goats

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Monitoring

Programme Code: OTHER AMR MON

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	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	6	6	6	6	6	6	6	6	6	6	6	6	6	6
N of resistant isolates	6	0	0	0	0	0	0	0	0	0	6	6	4	6
MIC														
<=0.015	1													
<=0.03	5													
0.03	5													
0.064	1													
<=0.25	6													
<=0.5	6													
<=1	6													
1	2													
2	4													
<=4	6													
4	1													
<=8	6													
8	4													
16	1													
>32	6													
>64	6													
>1024	6													

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Meat from sheep - meat preparation - intended to be eaten cooked

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	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	1														
<=4	1														
4	1														
<=8	1														
8	1														
32	1														

Table Antimicrobial susceptibility testing of Salmonella Typhimurium in Live bivalve molluscs - unspecified

Sampling Stage: Wholesale

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: food sample

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER AMR MON

AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
	ECOFF	16	0.5	2	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	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													
<=2	1													
2	1													
<=4	1													
<=8	1													
8	1													
32	1													

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

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

MIC	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<=0.03										1					
0.03						1									
<=0.25			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 Typhimurium, monophasic in Meat from pig - carcase

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Unknown

MIC	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	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	0	0	1	0	0	0	0	0	1	1	0	0
0.03	1														
0.064	1														
<=0.25	1														
<=0.5	1														
<=1	1														
<=4	1														
16	1														
>64	1														
128	1														
>1024	1														

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

Sampling Stage: Farm

Sampling Type: food sample

Sampling Context: Survey - national survey

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	1	0	0	0	1	0	0	0	0	0	1	1	0	0
MIC														
<=0.03	2													
0.03	2													
<=0.25	2													
<=0.5	2													
0.5	2													
<=1	2													
<=2	1													
2	1													
4	1													
<=8	1													
8	1													
32	2													
>64	1													
>128	1													
>1024	1													

Table Antimicrobial susceptibility testing of Salmonella Virchow in Meat from broilers (Gallus gallus) - carcase - chilled

Sampling Stage: Slaughterhouse

Sampling Type: food sample - neck skin

Sampling Context: Monitoring - EFSA specifications

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Unknown

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	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	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													
<=2	1													
<=4	1													
<=8	1													
8	1													
32	1													

ANTIMICROBIAL RESISTANCE TABLES FOR INDICATOR ESCHERICHIA COLI

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from other animal species or not specified - fresh - frozen

Sampling Stage: Wholesale
 Sampler: Official and industry sampling
 Analytical Method:
 Country of Origin: South Africa

Sampling Type: food sample - meat
 Sampling Strategy: Objective sampling

Sampling Context: Surveillance
 Programme Code: OTHER ESBL MON pH2

AM substance	Cefazolin	Ceftriaxone	Cefuroxime + Clavulanic acid	Cefixime	Cefotaxime	Ceftriaxone + Clavulanic acid	Ertapenem	Imipenem	Meropenem	Penicillin
Cefotaxime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Ceftazidime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Synergy test	0.128	0.25	8	8	0.5	16	0.06	0.5	0.125	8
ECOFF	0.128	0.25	0.064	0.5	0.25	0.12	0.015	0.12	0.03	0.5
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	64
N of tested isolates	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	1	0	1	1	0	0	0	0	0
MIC										
<=0.03										
0.03										
0.25										
16										
8										
64										

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Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from other animal species or not specified - fresh - frozen

Sampling Stage: Wholesale

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Indonesia

Sampling Type: food sample - meat

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER ESBL MON pr12

AM substance										
	Colistin	Colistin	Colistin + Chelating acid	Colistin	Colistin	Colistin + Chelating acid	Ertapenem	Imipenem	Meropenem	Trimoxillin
Ceftazime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Ceftazime synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Ceftazidime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Ceftazidime synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
ECOFF	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8
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	64
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										
0.03							1	1		
0.12	1									
0.25							1	1		
0										
16	1									
>64	1									

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from other animal species or not specified - fresh - frozen

Sampling Stage: Wholesale			Sampling Type: food sample - meat			Sampling Context: Surveillance								
Sampler: Official and industry sampling			Sampling Strategy: Objective sampling			Programme Code: OTHER ESBL MON								
Analytical Method:														
Country of Origin: Indonesia														
AM substance	Ampicillin	Azithromycin	Cefotaxime	Ceftriaxime	Chloramphenicol	Ciprofloxacin	Clindamycin	Gentamicin	Mergaptan	Nalidixic acid	Polymyxin B	Tetracycline	Trimethoprim	
	ECOFF	9	16	0.25	0.5	16	0.064	2	2	0.125	16	64	1	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	0.25	0.25
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	32
	N of tested isolates	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	0	0	0
	MIC													
	<=0.03													
	<=0.25													
	<=0.35													
<=0.5														
<=1														
1														
<=2														
<=4														
4														
>=4														
<=8														
8														
>=8														
<=16														
16														
>=16														

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: Surveillance														
Sampler: Official and industry sampling			Sampling Strategy: Objective sampling			Programme Code: ESBL MON pn12														
Analytical Method:																				
Country of Origin: Unknown																				
AM substance		Colistyne		Colistin		Colistamine + Cloxacilic acid		Colistin		Colistadim		Colistadime + Cloxacilic acid		Ertapenem		Imipenem		Meropenem		Temocillin
	Cefotaxime synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
	Ceftazidime synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
	ECOFF	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8									
	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	64									
	N of tested isolates	2	16	2	16	2	16	2	16	2	16	2	16	2	16	2	16	2	16	2
	N of resistant isolates	2	16	2	16	0	0	0	0	2	16	0	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																				
>32																				
64																				
>64																				

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

Sampling Stage: Retail

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: food sample - meat

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: ESBL MON

MIC	AM substance																											
	Ampicillin	Ampicillin/sulbactam		Cefotaxime		Ceftriaxone		Chloramphenicol		Ciprofloxacin		Colistin		Gentamicin		Meropenem		Nalidixic acid		Pivmecillinam		Tetracycline		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		8		
Highest limit	64	64		4		8		128		8		16		32		16		128		1024		64		8		32		
N of tested isolates	2	16	2	16	2	16	2	16	2	16	2	16	2	16	2	16	2	16	2	16	2	16	2	16	2	16	2	16
N of resistant isolates	2	16	0	0	2	16	2	16	1	7	2	11	0	0	1	3	0	0	2	5	1	13	1	13	0	0	1	12
<=0.015																												
<=0.03																												
<=0.05																												
<=0.25																												
<=0.5																												
<=1																												
<=2																												
<=4																												
<=8																												
<=16																												
<=32																												
<=64																												
<=128																												
<=1024																												

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: Surveillance
Sampler: Official and industry sampling	Sampling Strategy: Objective sampling	Programme Code: OTHER AMR MON prn2
Analytical Method:		
Country of Origin: Unknown		

AM substance	Cefepime	Ceftriaxone	Ceftriaxone + Cloxacilic acid	Cefuroxime	Ceftazidime	Ceftazidime + Cloxacilic acid	Ertapenem	Imipenem	Mercapenem	Tienicillin
Cefotaxime synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Ceftriaxone synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
ECOFF	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8
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	64
N of tested isolates	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0
MIC ≤0.015							2			
≤0.03										
≤0.154	2		2							2
≤0.25		2			2					
0.25								2		
4				2						2

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: Surveillance																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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MIC	AM substance	Ampicillin		Ampicillin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin		Colistin			

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from turkey - meat preparation - intended to be eaten cooked

Sampling Stage: Border inspection activities

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Brazil

Sampling Type: food sample - meat

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER ESBL MON pr12

AM substance	Colistin									
	Colistin	Colistin	Colistin + Chelating acid	Colistin	Colistin	Colistin + Chelating acid	Erythromycin	Imipenem	Mergonem	Trimoxilin
Ceftazime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
zynergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Ceftazime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
zynergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
ECOFF	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8
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	64
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										
<=0.12	1									
0.12										
0.5										
16										
8										
16										

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from turkey - meat preparation - intended to be eaten cooked

Sampling Stage: Border inspection activities				Sampling Type: food sample - meat				Sampling Context: Surveillance			
Sampler: Official and industry sampling				Sampling Strategy: Objective sampling				Programme Code: OTHER ESBL MON			
Analytical Method:											
Country of Origin: Brazil											
AM substance											
Ampicillin				Azithromycin				Cefotaxime			
Ceftriaxone				Chloramphenicol				Ciprofloxacin			
Colistin				Gentamicin				Macrolidum			
Nalidixic acid				Polymyxin B				Tetracycline			
Trimethoprim											
ECOFF				9				16			
Lowest limit				1				2			
Highest limit				64				64			
N of tested isolates				1				1			
N of resistant isolates				1				0			
MIC											
<=0.03											
<=0.25											
<=0.5											
<=1											
<=2											
16											
>4											
>8											
>32											
>64											
>128											
>1024											

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from bovine animals - meat preparation - intended to be eaten raw

Sampling Stage: Retail

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: food sample - meat

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER ESBL MON pr12

AM substance	Colistine	Colistin	Colistin + Chloram. acid	Colistin	Colistin	Colistin + Chloram. acid	Erythrom	Imipenem	Mergonem	Trimoxilin
Ceftazime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
zynergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Ceftazidime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
zynergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
ECOFF	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8
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	64
N of tested isolates	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	2	2	0	0	2	0	0	0	0	0
MIC										
<=0.015										
<=0.03										
<=0.064										
<=0.12										
0.25										
2										
4										
8										
32										
>=32										
>=64										

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from bovine animals - meat preparation - intended to be eaten raw

Sampling Stage: Retail		Sampling Type: food sample - meat						Sampling Context: Surveillance							
Sampler: Official and industry sampling		Sampling Strategy: Objective sampling						Programme Code: OTHER ESBL MON							
Analytical Method:															
Country of Origin: Unknown															
AM substance	Ampicillin	Azithromycin	Cefotaxime	Ceftriaxone	Chloramphenicol	Ciprofloxacin	Clindamycin	Gentamicin	Meropenem	Nalidixic acid	Polymyxin B	Tetracycline	Trimethoprim		
	ECOFF	9	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	0	2	2	0	0	0	0	0	0	0	0	0	0
	MIC														
	<=0.015														
	<=0.03														
	<=0.25														
<=0.5															
0.5															
<=1															
1															
<=2															
2															
<=4															
4															
<=8															
8															
64															
>=64															

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

Sampling Stage: Retail

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: food sample - meat

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER ESBL MON pr12

AM substance	Colistin + Chloramphenicol										Colistin + Cloxacillin											
	Colistin	Colistin	Colistin + Chloramphenicol	Colistin	Colistin	Ceftazidim	Ceftazidim + Cloxacillin	Ertapenem	Imipenem	Mergapenem	Temocillin	Colistin	Colistin	Colistin + Cloxacillin	Colistin	Ceftazidim	Ceftazidim + Cloxacillin	Ertapenem	Imipenem	Mergapenem	Temocillin	
Ceftoxime zynergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	
Ceftazidime zynergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	
ECOFF	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8												
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	64												
N of tested isolates	9	9	9	9	9	9	9	9	9	9												
N of resistant isolates	7	9	0	3	8	0	0	0	0	1												
MIC																						
<=0.015	7																					
<=0.03	9																					
0.03																						
<=0.064	1	5																				
<=0.12	4																					1
0.12	1	1																				
0.25	2																					8
0.5	1	1																				
1	1	1	1	3																		
2	2																					
4	1	1	2																		3	
8	1	5																				
16	1	2	1																			
32	2	1	2																			
64	1																					
>64	1																					

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

Sampling Stage: Retail		Sampling Type: food sample - meat				Sampling Context: Surveillance									
Sampler: Official and industry sampling		Sampling Strategy: Objective sampling				Programme Code: OTHER ESBL MON									
Analytical Method:															
Country of Origin: Unknown															
AM substance	Amikacin	Amoxicillin	Colistin	Chloramphenicol	Ciprofloxacin	Clindamycin	Gentamicin	Meropenem	Nalidixic acid	Polymyxin B	Tetracycline	Trimethoprim			
	ECOFF	9	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	9	9	9	9	9	9	9	9	9	9	9	9	9	9
	N of resistant isolates	9	0	9	9	1	5	0	0	0	4	3	5	0	2
MIC															
<=0.015															
<=0.03															
0.03															
<=0.25															
0.25															
<=0.5															
0.5															
<=1															
1															
<=2															
2															
<=4															
4															
<=8															
8															
<=16															
16															
<=32															
32															
<=64															
64															
<=128															
128															
<=256															
256															
<=512															
512															
<=1024															
1024															

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

Sampling Stage: Retail

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: food sample - meat

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER ESBL MON pr12

AM substance	Colistin									
	Colistin	Colistin	Colistin + Chelating acid	Colistin	Colistin	Colistin + Chelating acid	Ertapenem	Imipenem	Meropenem	Temocillin
Ceftazime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
zynergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Ceftazidime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
zynergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
ECOFF	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8
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	64
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										
<=0.03										
<=0.064										
<=0.12										
0.5										
1										
2										
4										
8										
16										

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

Sampling Stage: Retail	Sampling Type: food sample - meat	Sampling Context: Surveillance
Sampler: Official and industry sampling	Sampling Strategy: Objective sampling	Programme Code: OTHER ESBL MON
Analytical Method:		
Country of Origin: Unknown		

AM resistance	Ampicillin	Ampicillin/sulbactam	Cefotaxime	Ceftazidime	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Pivmecillinam	Tetracycline	Trimethoprim
ECOFF	9	16	0.35	0.5	16	0.04	2	2	0.125	16	64	8	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	32
N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	0	1	1	1	0	0	0	0	0	1	1	0
MIC													
<=0.015	1												
<=0.03	1												
<=0.25	1												
<=0.5	1												
0.5	1												
>=1	1												
<=4	1												
4	1												
8	1												
>=8	1												
32	1												
>=64	1												
>1024	1												

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Crustaceans - shrimps - raw - frozen

Sampling Stage: Wholesale

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: India

Sampling Type: food sample

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER ESBL MON pr12

AM substance	Colistin		Colistin		Colistin + Clovulanic acid		Colistin		Colistin		Colistin + Clovulanic acid		Ertapenem		Imipenem		Meropenem		Tetracycline	
	Colistin	Colistin	Colistin	Colistin	Colistin + Clovulanic acid	Colistin + Clovulanic acid	Colistin	Colistin	Colistin	Colistin	Colistin + Clovulanic acid	Colistin + Clovulanic acid	Ertapenem	Ertapenem	Imipenem	Imipenem	Meropenem	Meropenem	Tetracycline	Tetracycline
Ceftazime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
ECOFF	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8										
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	64										
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																				
<=0.03																				
<=0.064																				
<=0.12																				
0.25																				
2																				
4																				
8																				
16																				

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Crustaceans - shrimps - raw - frozen

Sampling Stage: Wholesale	Sampling Type: food sample	Sampling Context: Surveillance
Sampler: Official and industry sampling	Sampling Strategy: Objective sampling	Programme Code: OTHER ESBL MON
Analytical Method:		
Country of Origin: India		

AM resistance	Ampicillin	Ampicillin/sulbactam	Cefotaxime	Ceftriaxone	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Mergaptan	Nalidixic acid	Polymyxin B	Tetracycline	Trimethoprim
ECOFF	9	16	0.32	0.5	16	0.04	2	2	0.125	16	64	8	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	32
N of tested isolates	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	1	1	0	1

MIC	≤0.03	≤0.25	≤0.5	≤1	2	4	8	16	32	64	128	256	512
≤0.03													
≤0.25													
≤0.5													
≤1													
2													
4													
8													
16													
32													
64													
128													
256													
512													
1024													

Table Antimicrobial susceptibility testing of *Escherichia coli*, non-pathogenic, unspecified in Crustaceans - shrimps - raw - frozen[illegible]

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Crustaceans - shrimps - raw - frozen

Sampling Stage: Wholesale		Sampling Type: food sample				Sampling Context: Surveillance							
Sampler: Official and industry sampling		Sampling Strategy: Objective sampling				Programme Code: OTHER ESBL MON							
Analytical Method:													
Country of Origin: Bangladesh													
AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Polymyxin B	Tetracycline	Trimethoprim
ECOFF	8	16	0.35	0.5	16	0.04	2	2	0.125	16	64	8	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	32
N of tested isolates	2	2	2	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	2	1	2	2	0	2	0	0	0	1	1	0	1
MIC													
<=0.03	2												
<=0.25	2												
<=0.5	2												
0.5	1												
<=1	2												
>=2	1												
>=4	2												
>=8													
8	1												
16	1												
>=32	1												
>=64	1												
>=128	1												
>=1024	1												

Table Antimicrobial susceptibility testing of *Escherichia coli*, non-pathogenic, unspecified in Crustaceans - shrimps - raw - frozen

	Cefazolin	Cefuroxime	Cefuroxime + Clavulanic acid	Cefixime	Ceftazidim	Ceftiofur + Clavulanic acid	Ergonomum	Irig-nom	Moxo-nom	Nem-zollin
AM substance										
Cefotaxime synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Cefuroxime synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
ECOFF	0.125	0.25	0.5	0.5	0.25	0.12	0.075	0.12	0.25	0.5
Lowest limit	0.064	0.25	0.254	0.5	0.25	0.12	0.075	0.12	0.25	0.5
Highest limit	32	64	64	64	128	128	2	16	16	64
N of tested isolates	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	1	0	1	0	0	1	1	0	0
MIC <= MIC ₀₅₄	1									
>MIC ₀₅₄							1			
0.004							1			
0.12									1	
0.5		1			1					
1							1			
4			1							
8						1				1
>64				1						

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Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Crustaceans - shrimps - raw - frozen

Sampling Stage: Wholesale

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Vietnam

Sampling Type: food sample

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER ESBL MON pr12

AM substance	Colistin	Colistin	Colistin + Chloramphenicol	Colistin	Colistin	Colistin + Chloramphenicol	Erythromycin	Imipenem	Mergonem	Trimoxilin
Ceftazime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
zynergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Ceftazime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
zynergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
ECOFF	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8
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	64
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										
<=0.03										
<=0.064										
<=0.12										
0.25										
8										
64										

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Crustaceans - shrimps - raw - frozen

Sampling Stage: Wholesale			Sampling Type: food sample			Sampling Context: Surveillance		
Sampler: Official and industry sampling			Sampling Strategy: Objective sampling			Programme Code: OTHER ESBL MON		
Analytical Method:								
Country of Origin: Vietnam								

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

Sampling Stage: Slaughterhouse		Sampling Type: animal sample - caecum					Sampling Context: Monitoring									
Sampler: Official sampling		Sampling Strategy: Objective sampling					Programme Code: AMR MON									
Analytical Method:																
Country of Origin: Netherlands																
AM substance	Ampicillin	Aminomycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Cotrimox	Gentamicin	Macrolidum	Nalidixic acid	Polymyxin B	Tetracycline	Trimethoprim			
	ECOFF	9	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	301	301	301	301	301	301	301	301	301	301	301	301	301	301	
MIC	N of resistant isolates	69	0	0	0	50	11	0	10	0	9	88	142	0	64	
	≤0.015					230										
	≤0.03									299						
	0.03					60										
	0.064									2						
	0.12					1										
	≤0.25			301										231	77	
	0.25					4										
	≤0.5				301				181							
	0.5							6								
	≤1	6						301					60	147		
	1															
	≤2		4						99					10	13	
	2	75								11				128		
	≤4											250				
4	139	95						2				31				
≤8					231							213				
8	12	187						1		2						
≤16		15			20				1				1			
16					3								3			
≤32															64	
32																
≤64									5					44		
64																
≤104	69													94		
128					25					1						
≤128					22					8						
>1024																88

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

Sampling Stage: Slaughterhouse	Sampling Type: animal sample - caecum	Sampling Context: Monitoring
Sampler: Official sampling	Sampling Strategy: Objective sampling	Programme Code: ESB1 MON pn12
Analytical Method:		
Country of Origin: Netherlands		

AM substance	not-dexam	not-dexam	not-dexamine + Chlorzoxime acid	not-dexam	not-dexam	not-dexamine + Chlorzoxime acid	not-dexam	not-dexam	not-dexamine + Chlorzoxime acid	not-dexam	not-dexam	not-dexamine + Chlorzoxime acid
Cetoraxime synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Cetoraxime synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
EODF	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8		
Lowest limit	0.064	0.25	8	8	0.5	0.25	0.125	0.12	0.03	0.5		
Highest limit	32	64	64	64	128	128	2	16	16	64		
N of tested isolates	114	114	114	114	114	114	114	114	114	114		
MIC												
<=0.015												
<=0.03												
0.03												
<=0.064	1		93									
0.064												
<=0.12												
0.12	2		17									
0.25	1											
0.5	2											
1	2		2									
2	5	1	1	3	35	1						
4	10	2		48	8	2						
8	17	7	1	49	31							
16	25	6		9	9							
32	34	15		2	6	1						
>=32												
64		36		2								
128		47		1								

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

Sampling Stage: Slaughterhouse		Sampling Type: animal sample - caecum					Sampling Context: Monitoring								
Sampler: Official sampling		Sampling Strategy: Objective sampling					Programme Code: ESBL MON								
Analytical Method:															
Country of Origin: Netherlands															
AM substance	Ampicillin														
	Amikacin														
	Colistin														
	Chloramphenicol														
	Ciprofloxacin														
	Colistin														
	Gentamicin														
	Mergosum														
	Nalidixic acid														
	Sulfamethoxazole														
N of tested isolates	ECOFF	8	16	0.25	0.5	16	0.04	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
		114	114	114	114	114	114	114	114	114	114	114	114	114	114
	N of resistant isolates	114	10	114	109	42	66	0	24	0	25	69	86	1	68
	N of resistant isolates	114	10	114	109	42	66	0	24	0	25	69	86	1	68
						43				114					
						15									
						1									
														79	22
MIC	<=0.015														
	0.03														
	0.12														
	<=0.25														
	0.25														
	<=0.5					5									
	0.5						20			43					
	<=1							113					30	33	
	1					2		39					4	1	
	<=2					21							23		
2		3	27				1	8					1		
<=4											62				
4		16	1	15	1							5			
<=8			110												
8					70						45				
<=16		80		27		3		1		19					
16			19		14										
<=32		8		2				6		8					
32		4		2				8	1		1				
<=64								9							
64		2			4					1	30		58		
<=128															
128															
<=1024		114	4												
1024															
>=1024										23					

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Cattle (bovine animals) - dairy cows

Sampling Stage: Farm

Sampler: Official sampling

Analytical Method:

Country of Origin: Netherlands

Sampling Type: animal sample - faeces

Sampling Strategy: Objective sampling

Sampling Context: Monitoring

Programme Code: OTHER ESBL MON pr12

AM substance										
	Colistine	Colistin	Colistamine + Clovulanic acid	Colistin	Colistin	Colistidine + Clovulanic acid	Ertapenem	Imipenem	Meropenem	Temocillin
Ceftazime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
zynergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Colistidine	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
zynergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
ECOFF	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8
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	64
N of tested isolates	36	36	36	36	36	36	36	36	36	36
MIC										
N of resistant isolates	32	36	2	9	34	1	3	0	0	9
≤0.015							27			
≤0.03							6		33	
0.03										
≤0.064		24								
0.064							1		3	
≤0.12							19			
0.12	3		5				1	8		
0.25							8	25		
0.5	2				2	2	1	3		
1		3			7					
2	4	2	1		5	3				1
4	1	2	1	8	8					10
8	9	2		19	7	1				15
16	11	4	1	2	4	2				7
32	5	5		3	2					2
≥32	1									
64		10		2						
≥64		11	1	2						
≥128					1	1				

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Cattle (bovine animals) - dairy cows

Sampling Stage: Farm		Sampling Type: animal sample - faeces					Sampling Context: Monitoring						
Sampler: Official sampling		Sampling Strategy: Objective sampling					Programme Code: OTHER ESBL MON						
Analytical Method:													
Country of Origin: Netherlands													
AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Mergaptanem	Nalidixic acid	Polymyxin B	Tetracycline	Trimethoprim
ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	2
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	32
N of tested isolates	36	36	36	36	36	36	36	36	36	36	36	36	36
N of resistant isolates	36	2	36	33	7	18	0	2	0	7	11	13	11
MIC													
<=0.015	13												
0.03	34												
0.064	1												
0.12	1												
<=0.25	23												
0.25	9												
<=0.5	3												
0.5	4												
<=1	36												
1	15												
<=2	2												
2	19												
<=4	1												
4	26												
<=8	4												
8	3												
<=16	24												
16	7												
<=32	2												
32	3												
<=64	5												
64	1												
<=128	3												
128	1												
<=1024	6												
>1024	11												

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Cattle (bovine animals) - dairy cows

Sampling Stage: Farm		Sampling Type: animal sample - faeces						Sampling Context: Monitoring								
Sampler: Official sampling		Sampling Strategy: Objective sampling						Programme Code: OTHER AMR MON								
Analytical Method:																
Country of Origin: Unknown																
AM substance	Ampicillin	Amikacin	Colistin	Colistin	Chloramphenicol	Ciprofloxacin	Cefotaxime	Gentamicin	Meropenem	Nalidixic acid	Polymyxin B	Tetracycline	Trimethoprim			
	ECOFF	9	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	292	292	292	292	292	292	292	292	292	292	292	292	292	292	
MIC	N of resistant isolates	6	9	0	0	0	3	2	0	0	0	2	8	8	0	4
<=0.015		234														
<=0.03		292														
0.03		56														
<=0.25		292												234	102	
0.25		1														
<=0.5		292														
0.5		192												49	174	
<=1		9														
1		291														
<=2		9												9	12	
2		84														
<=4		1														
4		176														
<=8		90														
8		270												284	53	
<=16		17														
16		158														
<=32		5														
32		19														
>=32		1														
64		1												2	4	
>=64		6														
128		1												6		
>=128		1														
>=1024		8														

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

Sampling Stage: Retail

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: food sample

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER ESBL MON pr12

AM substance	Coliforme + Clostridie acid										Coliforme + Clostridie acid	
	Cefotaxime	Cefotaxime	Cefotaxime	Cefotaxime	Cefotaxime	Cefotaxime	Cefotaxime	Etazepam	Imipenem	Meropenem	Ticarcillin	
Cefotaxime energy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	
Cefazidime energy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	
ECOFF	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8		
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	64		
N of tested isolates	6	6	6	6	6	6	6	6	6	6		
MIC	N of resistant isolates											
<=0.015	5	6	0	1	6	0	1	0	0	0	0	
<=0.03	5											
<=0.064	1	4										
0.064	1											
<=0.12	4											
0.12	2											
0.25	1											
0.5	4											
1	1											
2	1											
4	1	2										
8	1	3										
16	1											
32	3	1	1									
64	4											

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

Sampling Stage: Retail		Sampling Type: food sample					Sampling Context: Surveillance						
Sampler: Official and industry sampling		Sampling Strategy: Objective sampling					Programme Code: OTHER ESBL MON						
Analytical Method:													
Country of Origin: Unknown													
AM substance	Ampicillin	Azithromycin	Cefotaxime	Ceftriaxone	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Polymyxin B	Tetracycline	Trimethoprim
ECOFF	9	16	0.25	0.5	16	0.004	2	2	0.125	16	64	8	1
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25
Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8
N of tested isolates	6	6	6	6	6	6	6	6	6	6	6	6	6
N of resistant isolates	6	0	6	6	0	3	0	1	0	3	4	4	1
MIC													
<=0.015													
<=0.03	6												
<=0.25													
0.25	1												
<=0.5	1												
0.5	4												
<=1	6												
1	1												
<=2	1												
2	2												
<=4	3												
4	1												
<=8	5												
8	1												
<=16	2												
16	1												
<=32	2												
32	4												
<=64	0												
64	3												
<=128	4												
>=1024	4												

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

Sampling Stage: Retail

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: food sample - meat

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER AMR MON pri2

AM substance	Coliforms + Clostridia acid										Coliforms + Clostridia acid									
	Cefotaxime	Colistin	Colistin	Colistin + Clostridia acid	Colistin	Colistin	Colistin	Colistin + Clostridia acid	Colistin	Colistin	Colistin	Colistin + Clostridia acid	Colistin	Colistin	Colistin + Clostridia acid	Colistin	Colistin	Colistin + Clostridia acid		
Cefotaxime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available		
Synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available		
Colistin	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available		
Colistin	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8	0.125	0.25	8	8	0.5	16	0.06	0.5		
Colistin	0.064	0.25	0.064	0.5	0.25	0.12	0.015	0.12	0.03	0.5	0.015	0.12	0.03	0.5	0.015	0.12	0.03	0.5		
Colistin	32	64	64	64	128	128	2	16	16	64	32	64	64	64	128	128	2	16		
Colistin	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
Colistin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
MIC	2																			
<=0.015	2																			
<=0.03	2																			
<=0.064	2																			
<=0.12	2																			
0.12	1																			
<=0.25	2																			
0.25	2																			
4	1																			
8	2																			

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

Sampling Stage: Retail			Sampling Type: food sample - meat			Sampling Context: Surveillance										
Sampler: Official and industry sampling			Sampling Strategy: Objective sampling			Programme Code: OTHER AMR MON										
Analytical Method:																
Country of Origin: Unknown																
AM substance	ampicillin	azithromycin	cefotaxime	ceftazidime	chloramphenicol	ciprofloxacin	clindamycin	gentamicin	meropenem	nalidixic acid	polymyxin B	tetracycline	trimethoprim			
	ECOFF	9	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	
MIC	N of resistant isolates	27	1	2	1	5	11	1	2	0	9	12	21	0	10	
<=0.015						21										
=0.03						4			35							
0.03									1							
0.12			34													
<=0.25						5						33			13	
0.25																
<=0.5			35						23							
0.5			1			1						3			11	
<=1						33										
1									11			2				
<=2			7									14				
2			2			2						25				
<=4			6			13			1							
4						30			1			3			1	
<=8			1			15										
8						2			1							
>=8			1			3						1				
16						1			1			6				
32												12				
>=32						1			1						10	
64			1			1						1			3	5
128			27						2			2			16	
>=128						2			2			6				
>=1024															12	

Table Antimicrobial susceptibility testing of *Escherichia coli*, non-pathogenic, unspecified in Cattle (bovine animals) - meat production animals - fattening steers

Sampling Stage: Farm	Sampling Type: animal sample - faeces	Sampling Context: Survey - national survey
Sampler: Official and industry sampling	Sampling Strategy: Objective sampling	Programme Code: OTHER ESBL MON pr12
Analytical Method:		
Country of Origin: Netherlands		

AM substance	Cefazolin + Clavulanic acid									
	Cefazolin	Cefazolin	Cefazolin + Clavulanic acid	Cefazolin	Cefazolin	Cefazolin + Clavulanic acid	Cefazolin	Imipenem	Meropenem	Vancomycin
Cefazolin synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Cefazolin synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
ECOFF	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8
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	64
N of tested isolates	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	1	1	0	0	1	0	1	0	0
MIC										
≤MIC015							31			
≤MIC03								38		
0.03							6			
≤MIC064	6		24					2	1	
0.064										
≤MIC12						14		10		
0.12	5		3							
0.25		3	1			13		28		
0.5		1	1	4	1					
1		5	5		5	4				
2		3	1	5	13	3				
4		4	4	14	9	3			10	
8		9	2	11	8	1			25	
16		5	2		4	2				3
32		3	7			1				
≥32		3								
64			9	1						
≥64		6								

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Cattle (bovine animals) - meat production animals - fattening steers

Sampling Stage: Farm		Sampling Type: animal sample - faeces				Sampling Context: Survey - national survey									
Sampler: Official and industry sampling		Sampling Strategy: Objective sampling				Programme Code: OTHER ESBL MON									
Analytical Method:															
Country of Origin: Netherlands															
AM	Substance	Ampicillin	Azithromycin	Cloxacillin	Clotrimazole	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Mergosum	Nalidixic acid	Sulfamethoxazole	Tetracycline	Trimethoprim	
	ECOFF	8	16	0.25	0.5	16	0.064	2	0.125	16	64	8	1	2	
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.03	4	8	2	0.25	0.25	
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	32	
	N of tested isolates	1	1	1	1	1	1	1	1	1	1	1	1	1	
N of resistant isolates		1	0	1	0	1	0	0	1	0	0	1	0	1	
MIC	<=0.015	18													
	<=0.03	38													
	0.03	5													
	0.064	1													
	0.12	2													
	<=0.25	33													
	0.25	8													
	<=0.5	1													
	0.5	25													
	<=1	6													
	1	39													
	<=2	8													
	2	22													
	<=4	2													
	4	29													
	<=8	3													
	8	11													
	<=16	25													
	16	30													
	<=32	27													
32	8														
<=64	3														
64	1														
<=128	1														
128	16														
<=256	38														
256	2														
<=512	6														
512	3														
<=1024	11														
1024															

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

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Netherlands

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Monitoring

Programme Code: AMR MON pri2

AM substance	Colistine	Colistin	Colistin + Chelate acid	Colistin	Colistin	Colistin + Chelate acid	Erythrom	Imipenem	Mergonem	Temocillin
Ceftaxime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
zynergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Ceftazidime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
zynergy test	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8
ECOFF	0.064	0.25	0.064	0.5	0.25	0.12	0.015	0.12	0.03	0.5
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	64
N of tested isolates	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	1	0	0	1	1	0	0	0	0
MIC										
<=0.015	1									
<=0.03										
<=0.12	1									
0.25	1									
0.5	1									
1										
4	1									
32	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									
Sampler: Official sampling			Sampling Strategy: Objective sampling			Programme Code: AMR MON									
Analytical Method:															
Country of Origin: Netherlands															
AM substance	Ampicillin	Amikacin	Colistin	Chloramphenicol	Ciprofloxacin	Clindamycin	Gentamicin	Meropenem	Nalidixic acid	Polymyxin B	Tetracycline	Trimethoprim			
	ECOFF	9	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	300	300	300	300	300	300	300	300	300	300	300	300	300	300
MIC	N of resistant isolates	66	2	1	1	37	6	0	2	0	4	103	128	0	92
	<=0.015	253													
	<=0.03	300													
	0.03	41													
	0.12	2													
	<=0.25	299													
	0.25	3													
	<=0.5	299													
	0.5	173													
	<=1	1													
	1	300													
	<=2	105													
	2	20													
	<=4	288													
	4	17													
<=8	7														
8	195														
<=16	2														
16	7														
<=32	3														
32	71														
<=64	92														
64	47														
<=128	1														
128	71														
<=256	2														
256	103														

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

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Netherlands

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Monitoring

Programme Code: ESBL MON pn2

AM substance	Colistine	Colistin	Colistin + Clovulanic acid	Colistin	Colistin	Colistin + Clovulanic acid	Ertapenem	Imipenem	Meropenem	Tenoxicillin
Ceftazime synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Ceftazime synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
ECOFF	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8
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	64
N of tested isolates	47	47	47	47	47	47	47	47	47	47
MIC										
N of resistant isolates	37	47	14	15	46	14	0	0	0	0
≤0.015							37			
≤0.03									47	
0.03							9			
≤0.064			32							
0.064							1			
≤0.12						20		20		
0.12	10		1							
0.25	6					13		27		
0.5						1				
1	3	1	4			9				
2	1	7	10			16	3			1
4	9	10		21	4	7				12
8	5	2		11	13	4				29
16	8	3		1	4					5
32	4	11								
≥32	1									
64			8		12					
>64		5		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								
Sampler: Official sampling		Sampling Strategy: Objective sampling					Programme Code: ESBL MON								
Analytical Method:															
Country of Origin: Netherlands															
AM substance	Ampicillin	Aminoglycosides	Colistin	Ceftazidime	Chloramphenicol	Ciprofloxacin	Cotrimoxazole	Gentamicin	Meropenem	Nalidixic acid	Polymyxin B	Tetracycline	Trimethoprim		
	ECOFF	9	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	47	47	47	47	47	47	47	47	47	47	47	47	47	47
	N of resistant isolates	47	0	47	45	8	6	0	1	0	5	31	29	0	39
	MIC														
	<=0.015														
	<=0.03														
	0.03														
MIC	0.12														
	<=0.25														
	0.25														
	<=0.5														
	0.5														
	<=1														
	1														
	<=2														
	2														
	<=4														
MIC	4														
	<=8														
	8														
	<=16														
	16														
	<=32														
	32														
	<=64														
	64														
	<=128														
	128														
MIC	<=256														
	256														
	<=512														
	512														
	<=1024														
	1024														
	<=2048														
	2048														
	<=4096														
	4096														
	>1024														

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from broilers (Gallus gallus) - fresh - chilled

Sampling Stage: Retail

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: food sample

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER ESBL MON pr12

AM substance	Colistine	Colistin	Colistin + Chelating acid	Colistin	Colistin	Colistin + Chelating acid	Ertapenem	Imipenem	Meropenem	Temocillin
Ceftaxime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
zynergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Ceftazidime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
zynergy test	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8
ECOFF	0.064	0.25	0.064	0.5	0.25	0.12	0.015	0.12	0.03	0.5
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	64
N of tested isolates	69	69	69	69	69	69	69	69	69	69
MIC	N of resistant isolates	66	69	1	27	68	0	1	0	8
<=0.015							38			
<=0.03								65		
0.03							30			
<=0.064			37							
0.064							1		4	
<=0.12						25		23		
0.12	3		8							
0.25	22					17		37		
0.5	10				1					
1	2	2		1	8			9		
2	8	3		1	11					
4	4	8	8	18	4	5			23	
8	9	27	17	22	20	19				38
16	6	10	1	2	17					8
32	5	9		3	5					
64		7		3						
>64		3		1						

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from broilers (Gallus gallus) - fresh - chilled

Sampling Stage: Retail		Sampling Type: food sample					Sampling Context: Surveillance								
Sampler: Official and industry sampling		Sampling Strategy: Objective sampling					Programme Code: OTHER ESBL MON								
Analytical Method:															
Country of Origin: Unknown															
AM substance	Ampicillin	Amikacin	Colistin	Chloramphenicol	Ciprofloxacin	Clindamycin	Gentamicin	Meropenem	Nalidixic acid	Polymyxin B	Tetracycline	Trimethoprim			
	ECOFF	9	16	0.25	0.5	16	0.064	2	0.125	16	8	1	2		
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	2	0.25	0.25	
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	32	
	N of tested isolates	69	69	69	69	69	69	69	69	69	69	69	69	69	
MIC	N of resistant isolates	69	2	69	67	13	39	0	13	0	39	49	30	0	25
<=0.015		22													
<=0.03		68													
0.03		7													
0.064		1													
0.12		1													
<=0.25		58													
0.25		17													
<=0.5		38													
0.5		8													
<=1		69													
1		16													
<=2		31													
2		1													
<=4		30													
4		8													
<=8		34													
8		14													
<=16		29													
16		3													
<=32		7													
32		1													
<=64		11													
64		2													
<=128		19													
128		3													
<=1024		49													
>1024															

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Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from broilers (Gallus gallus) - fresh - chilled

Sampling Stage: Retail		Sampling Type: food sample - meat						Sampling Context: Surveillance							
Sampler: Official and industry sampling		Sampling Strategy: Objective sampling						Programme Code: OTHER AMR MON							
Analytical Method:															
Country of Origin: Unknown															
AM substance	Amoxicillin	Ampicillin	Aminoglycosides	Colistin	Chloramphenicol	Ciprofloxacin	Clindamycin	Gentamicin	Meropenem	Nalidixic acid	Rifampicin	Tetracycline	Trimethoprim		
	ECOFF	9	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	216	216	216	216	216	216	216	216	216	216	216	216	216	216
MIC	N of resistant isolates	82	1	0	1	9	68	3	2	0	60	65	59	0	60
	<=0.015						121								
	<=0.03								216						
	0.03						37								
	0.12						2								
	<=0.25			216										200	44
	0.25						26								
	<=0.5				215				156						
	0.5						10							15	80
	<=1	3			1		2	212	50				128	1	31
	1														
	<=2		54	12					1	8					
	2														1
	<=4		76	122											
	4					201	2	3	1				27		
<=8	1	74				9				5	21	2			
>8						7									
16			7			6		1		4	54				
32					2						58	2			
>=32														60	
64											1	20	10		
>=64		82	1										47		
128						1									
>=128						4					38				
>=1024												65			

Table Antimicrobial susceptibility testing of *Escherichia coli*, non-pathogenic, unspecified in Meat from broilers (*Gallus gallus*) - meat preparation - intended to be eaten cooked

AM substance	Cefepime	Cefazolin	Cefotaxime + Cefuroxime acid	Cefotetan	Ceftazidime	Ceftazidime + Cefuroxime acid	Ertapenem	Imipenem	Mertapenem	Vancomycin
Cefotaxime synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Ceftazidime synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
ECOFF	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8
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	64
N of tested isolates	3	3	3	3	3	3	3	3	3	3
MIC										
N of resistant isolates	3	3	0	3	3	0	1	0	0	0
≤0.03										
0.03							2		2	
0.064							1		1	
0.25	3		2		2		3		1	
8		2	1		3	1			2	
16		1								
32			1							
64			2							

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked

Sampling Stage: Border inspection activities			Sampling Type: food sample - meat			Sampling Context: Surveillance									
Sampler: Official and industry sampling			Sampling Strategy: Objective sampling			Programme Code: OTHER ESBL MON									
Analytical Method:															
Country of Origin: Thailand															
AM substance	Amoxicillin	Azithromycin	Cefotaxime	Ceftriaxone	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Polymyxin B	Tetracycline	Trimethoprim		
	ECOFF	9	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	3	3	3	3	3	3	3	3	3	3	3	3	3	3
MIC	N of resistant isolates	3	1	3	3	0	1	0	3	0	1	3	3	1	0
	<=0.015					1									
	<=0.03								3						
	0.03					1									
	<=0.25												1	2	
	0.5					1							1	1	
	>=1						3								
	<=2		1												
	2												1		
	<=4									2					
	>=4		3												
	<=8				2	2									
	>=8		1												
	<=16				1										
	>=16							3					1		
	<=32														
	>=32												2		
	<=64	3	1												
	>=64									1			2		
	<=128										3				
	>=128														
	> 1024														

Table Antimicrobial susceptibility testing of *Escherichia coli*, non-pathogenic, unspecified in Meat from broilers (*Gallus gallus*) - meat preparation - intended to be eaten cooked

Sampling Stage: Border inspection activities	Sampling Type: food sample - meat	Sampling Context: Surveillance
Sampler: Official and industry sampling	Sampling Strategy: Objective sampling	Programme Code: OTHER ESBL MON pri2
Analytical Method:		
Country of Origin: Brazil		

AM substance	Cefazolin + Cloxacillin acid				Cefazolin + Cloxacillin acid			
	Cefazolin	Cefazolin	Cefazolin + Cloxacillin acid	Cefazolin	Cefazolin	Cefazolin + Cloxacillin acid	Cefazolin	Cefazolin
Cefazolin synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Cefazolin synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
EC50 ^a	0.125	0.25	8	8	0.5	16	0.06	0.5
Lowest limit	0.064	0.25	0.064	0.5	0.25	0.12	0.015	0.12
Highest limit	32	64	64	64	128	128	2	16
N of tested isolates	31	31	31	31	31	31	31	31
N of resistant isolates	29	31	3	14	30	0	8	0
MIC	<=0.015				13			
	<=0.03				26			
	0.03				10			
	<=0.064				11			
	0.064							
	<=0.12				12		4	
	0.12				2		3	
	0.25				8		1	
	0.5				1		3	
	1				5			
	2		1		1		7	
	3		4		7		6	
	6		9		4		5	
	18		3		3		2	
	32		7		2		3	
	>32		4		4			
	>64		7		3			

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked

Sampling Stage: Border inspection activities				Sampling Type: food sample - meat				Sampling Context: Surveillance			
Sampler: Official and industry sampling				Sampling Strategy: Objective sampling				Programme Code: OTHER ESBL MON			
Analytical Method:											
Country of Origin: Brazil											
AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Clindam	Gentamicin	Mergaptan	Nalidixic acid	Trimethoprim
ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64
Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	2
Highest limit	64	64	4	8	128	8	16	32	16	128	1024
N of tested isolates	31	31	31	31	31	31	31	31	31	31	31
N of resistant isolates	31	0	31	28	7	24	0	18	0	23	17
MIC											
<=0.015											
=0.03	5										
0.03	30										
0.064	1										
<=0.25	28										
0.25	7										
<=0.5	3										
0.5	4										
<=1	31										
1	3										
<=2	13										
2	1										
<=4	1										
4	1										
<=8	24										
8	4										
<=16	7										
16	2										
<=32	9										
32	3										
<=64	1										
64	2										
<=128	6										
128	11										
<=1024	2										
1024	19										
	27										

Table Antimicrobial susceptibility testing of *Escherichia coli*, non-pathogenic, unspecified in *Gallus gallus* (fowl) - broilers

Sampling Stage: Slaughterhouse	Sampling Type: animal sample - caecum	Sampling Context: Monitoring
Sampler: Official sampling	Sampling Strategy: Objective sampling	Programme Code: AMR MON pn12
Analytical Method:		
Country of Origin: Netherlands		

AM substance	doflupram	doflupram	doflupram + Chlorzoxazone acid	doflupram	doflupram	doflupram + Chlorzoxazone acid	Ergometrin	Ergometrin	Margometrin	Nemollin
Cefotaxime synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Ceftriaxone synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
ECOFF	0.125	0.25	8	8	8	8	16	8.06	0.5	0.125
Lowest limit	0.054	0.25	0.054	0.5	0.25	0.12	0.015	0.12	0.03	0.5
Highest limit	32	64	64	64	129	129	2	16	16	64
N of tested isolates	5	5	5	5	5	5	5	5	5	5
N of resistant isolates	5	5	0	0	5	0	0	0	0	0
<=0.015							4			
<=0.03									5	
0.03								1		
<=0.064			5							
<=0.12						2		3		
0.25							3		2	
0.5	2									
1										
2					2					
4		1		3						
8		1		2	1					4
16	1					2				1
32										
64		2								

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Gallus gallus (fowl) - broilers

Sampling Stage: Slaughterhouse			Sampling Type: animal sample - caecum						Sampling Context: Monitoring						
Sampler: Official sampling			Sampling Strategy: Objective sampling						Programme Code: AMR MON						
Analytical Method:															
Country of Origin: Netherlands															
AM substance	Ampicillin	Amikacin	Colistin	Chloramphenicol	Ciprofloxacin	Clotrimazole	Colistin	Gentamicin	Neomycin	Nalidixic acid	Polymyxin B	Tetracycline	Trimethoprim		
	ECOFF	9	16	0.25	0.5	16	0.064	2	2	0.125	16	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	301	301	301	301	301	301	301	301	301	301	301	301	301	301
MIC	N of resistant isolates	109	2	5	5	17	101	0	17	0	92	104	75	0	80
	<=0.015						161								
	<=0.03							301							
	0.03						39								
	0.12						4								
	<=0.25			296									241	90	
	0.25						58								
	<=0.5				296			174							
	0.5						21	301					47	120	
	<=1						7		87				13	10	
	<=2		5										185		
	2	84			2		3	23							1
	<=4										200				
	4	100	114				2	1					39		
	<=8			5											
8				272							197				
<=16	8	157		1		4		2		4		2			
16				2		2									
<=32		23		12				8		5					
32		1		5				5		2		1			
<=64								1						80	
64										7		21			
<=128	109											53			
128					1					51	1				
>=128				11						32					
>=256											1				
512												4			
>=512													98		

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Gallus gallus (fowl) - broilers

Sampling Stage: Slaughterhouse

Sampler: Official sampling

Analytical Method:

Country of Origin: Netherlands

Sampling Type: animal sample - caecum

Sampling Strategy: Objective sampling

Sampling Context: Monitoring

Programme Code: ESBL MON pn2

AM substance	Colistin + Chloramphenicol									
	Colistin	Colistin	Colistin + Chloramphenicol	Colistin	Colistin	Colistin + Chloramphenicol	Erythromycin	Imipenem	Meropenem	Trimoxillin
Ceftazime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Ceftazime zynergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Ceftazime zynergy test	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8
ECOFF	0.064	0.25	0.064	0.5	0.25	0.12	0.015	0.12	0.03	0.5
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	64
N of tested isolates	98	98	98	98	98	98	98	98	98	98
MIC										
N of resistant isolates	93	98	26	28	95	26	3	0	0	0
≤0.015										
≤0.03	66									
0.03										
≤0.064	70									
0.064										
≤0.12										
0.12	54									
0.25	3									
0.5	46									
1	3									
2	24									
4	1									
8	3									
16	19									
32	1									
≥32	14									
64	9									
≥64										

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Gallus gallus (fowl) - broilers

Sampling Stage: Slaughterhouse		Sampling Type: animal sample - caecum					Sampling Context: Monitoring								
Sampler: Official sampling		Sampling Strategy: Objective sampling					Programme Code: ESBL MON								
Analytical Method:															
Country of Origin: Netherlands															
AM substance	Ampicillin	Ampicillin	Amikacin	Cefotaxime	Cefazolin	Chloramphenicol	Ciprofloxacin	Cotrimoxazole	Gentamicin	Meropenem	Nalidixic acid	Polymyxin B	Tetracycline	Trimethoprim	
	ECOFF	9	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	98	98	98	98	98	98	98	98	98	98	98	98	98	98
MIC	N of resistant isolates	98	4	98	92	18	45	0	7	0	44	70	56	0	34
	<=0.015					41									
	<=0.03					12				98					
	0.03					4									
	0.12														
	<=0.25					18								62	36
	<=0.5				6				54						
	0.5					9								33	24
	<=1							98							
	1			19		6			31					3	4
	<=2			9										39	
	2				1	21		1		6					
	<=4											52			
	4			39	15	3								3	
	<=8				82										
	8						78					28			
	<=16			42	19		6				2				
	16				30		1								
	<=32			4			2		1					1	
32						6			4		3		7		
<=64								2							
64						3					5		29		
<=128		98											19		
128						3					12				
<=256															
256						6					24			1	
<=512															
512															
<=1024															
1024													69		

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Seeds, sprouted

Sampling Stage: Retail

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Netherlands

Sampling Type: food sample

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER ESBL MON pr12

AM substance	Colistine	Colistin	Colistin + Chloramphenicol	Colistin	Colistin	Colistin + Chloramphenicol	Ertapenem	Imipenem	Meropenem	Ticarcillin
Ceftazime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Ceftazidime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
ECOFF	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8
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	64
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	1
MIC	≤0.015									
≤0.03	1									
0.03	2									
≤0.064	2									
0.25	2									
8	1									
16	1									
32	2									
≥64	2									

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Seeds, sprouted

Sampling Stage: Retail			Sampling Type: food sample					Sampling Context: Surveillance							
Sampler: Official and industry sampling			Sampling Strategy: Objective sampling					Programme Code: OTHER ESBL MON							
Analytical Method:															
Country of Origin: Netherlands															
AM substance	Ampicillin	Amikacin	Colistin	Chloramphenicol	Ciprofloxacin	Clotrimazole	Gentamicin	Meropenem	Nalidixic acid	Polymyxin B	Tetracycline	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	0	1	0	0	0	1	1	0	0	1
	MIC														
	<=0.03														
	<=0.25														
	<=0.35														
0.25	1														
<=0.5	2														
0.5	1														
<=1	2														
>4	2														
<=8	2														
8	2														
<=16	1														
16	1														
<=32	1														
>64	2														
>1024	2														

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from sheep - meat preparation - intended to be eaten cooked

Sampling Stage: Retail

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: food sample - meat

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER ESBL MON pr12

AM substance	Colistine	Colistin	Colistin + Chloramphenicol	Colistin	Colistin	Colistin + Chloramphenicol	Erythromycin	Imipenem	Mergonem	Trimoxilin
Ceftazime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
zynergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Ceftazime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
zynergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
ECOFF	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8
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	64
N of tested isolates	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	1	0	1	1	0	0	0	0	0
MIC	<=0.03									
0.03	1									
0.12	1									
0.25	1									
4	1									
16	1									
64	1									

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Meat from sheep - meat preparation - intended to be eaten cooked

Sampling Stage: Retail		Sampling Type: food sample - meat						Sampling Context: Surveillance							
Sampler: Official and industry sampling		Sampling Strategy: Objective sampling						Programme Code: OTHER ESBL MON							
Analytical Method:															
Country of Origin: Unknown															
AM substance	Ampicillin	Azithromycin	Cefotaxime	Ceftriaxone	Chloramphenicol	Ciprofloxacin	Clindamycin	Gentamicin	Meropenem	Nalidixic acid	Polymyxin B	Tetracycline	Trimethoprim		
	ECOFF	9	16	0.35	0.5	16	0.04	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	0	0	0	0	0	0	0	0	0	0
	MIC														
<=0.015	1														
<=0.03															
<=0.25															
<=0.5	1														
<=1															
<=2	1														
<=4															
<=8	1														
<=16	1														
<=32	1														
<=64	1														

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Fish - raw - frozen

Sampling Stage: Wholesale

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Vietnam

Sampling Type: food sample

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER ESBL MON pr12

AM substance	Coliforme									
	Coliforme	Coliform	Coliforme + Chloramfenicol acid	Coliform	Coliform	Coliform + Chloramfenicol acid	Erythromycin	Imipenem	Mergonem	Trimoxilin
Cefotaxime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
zynergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Ceftazidime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
zynergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
ECOFF	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8
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	64
N of tested isolates	2	2	2	2	2	2	2	2	2	2
N of resistant isolates	2	2	0	2	2	0	1	0	0	1
MIC										
<=0.03										
0.03										
<=0.064										
0.064										
<=0.12										
0.12										
0.25										
0.5										
1										
10										
32										
>32										
64										
>64										

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Fish - raw - frozen

Sampling Stage: Wholesale			Sampling Type: food sample			Sampling Context: Surveillance																																						
Sampler: Official and industry sampling			Sampling Strategy: Objective sampling			Programme Code: OTHER ESBL MON																																						
Analytical Method:																																												
Country of Origin: Vietnam																																												
AM substance			Ampicillin			Azithromycin			Cefotaxim			Ceftriaxone			Chloramphenicol			Ciprofloxacin			Colistin			Gentamicin			Meropenem			Nalidixic acid			Polymyxin B			Tetracycline			Trimethoprim					
ECOFF			8			16			0.25			0.5			16			0.04			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			1			0			2			2			2			0			2		
MIC																																												
<=0.03																																												
<=0.5																																												
<0.9																																												
<=1																																												
4																																												
>=4																																												
8																																												
>=8																																												
32																																												
>=32																																												
>=64																																												
>=128																																												
>=1024																																												

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Spices and herbs - fresh

Sampling Stage: Wholesale

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Morocco

Sampling Type: food sample

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER ESBL MON pr12

AM substance	Coliforme									
	Coliforme	Coliform	Coliforme + Citraulic acid	Coliform	Coliform	Coliforme + Citraulic acid	Erugenen	Erugenen	Merugenen	Temucidin
Cefotaxime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
zyngary test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Cefazidime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
zyngary test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
ECOFF	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8
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	64
N of tested isolates	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	1	1	0	0	1	0	1	0	0	0
MIC										
<=0.03										
<=0.064										
0.12										
0.25										
2										
16										
8										
>32										
>64										

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Spices and herbs - fresh

Sampling Stage: Wholesale			Sampling Type: food sample			Sampling Context: Surveillance										
Sampler: Official and industry sampling			Sampling Strategy: Objective sampling			Programme Code: OTHER ESBL MON										
Analytical Method:																
Country of Origin: Morocco																
AM substance																
Ampicillin																
Azithromycin																
Cefotaxim																
Ceftriaxim																
Chloramphenicol																
Ciprofloxacin																
Colistin																
Gentamicin																
Meropenem																
Nalidixic acid																
Polymyxin B																
Tetracycline																
Trimethoprim																
ECOFF			9	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	0	0	0	0	0	0	1	1	0	0
MIC																
≤0.015			1													
≤0.03			1													
≤0.25			1													
≤0.5			1													
≤1			1													
≤2			1													
≤4			1													
≤8			1													
≤16			1													
≤32			1													
≤64			1													
≤128			1													
≤256			1													
≤512			1													
≤1024			1													

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Spices and herbs - fresh

Sampling Stage: Border inspection activities

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Laos

Sampling Type: food sample

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER ESBL MON pr12

AM substance	Colistine	Colistin	Colistin + Chelating acid	Colistin	Colistin	Colistin + Chelating acid	Ertapenem	Imipenem	Meropenem	Temocillin
Ceftaxime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
zynergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Ceftazidime synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
ECOFF	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8
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	64
N of tested isolates	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	1	0	1	1	0	1	0	0	1
MIC	<=0.03									
0.064	1									
0.12	1									
0.25	1									
4	1									
8	1									
16	1									
64	1									

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Spices and herbs - fresh

Sampling Stage: Border inspection activities			Sampling Type: food sample			Sampling Context: Surveillance		
Sampler: Official and industry sampling			Sampling Strategy: Objective sampling			Programme Code: OTHER ESBL MON		
Analytical Method:								
Country of Origin: Laos								
AM substance								
Ampicillin								
Ampicillin								
Cefotaxime								
Ceftriaxone								
Chloramphenicol								
Ciprofloxacin								
Colistin								
Gentamicin								
Meropenem								
Nalidixic acid								
Polymyxin B								
Trimethoprim								
Trimethoprim								
ECOFF								
Lowest limit								
Highest limit								
N of tested isolates								
N of resistant isolates								
MIC								
≤0.03								
≤0.25								
≤1								
≤4								
≤8								
≤16								
≤32								
≤64								
≤128								
≥1024								

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: Surveillance
Sampler: Official and industry sampling	Sampling Strategy: Objective sampling	Programme Code: ESB1 MON pni2
Analytical Method:		
Country of Origin: Unknown		

	Cefepime	Ceftazidime	Ceftazidime + Clavulanic acid	Ceftriaxone	Cefuroxime	Cefuroxime + Clavulanic acid	Ertapenem	Imipenem	Mertensin	Ticarcillin
AM substance										
Cefotaxime synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Cefazolin synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
ECOFF	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8
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	64
N of tested isolates	3	3	3	3	3	3	3	3	3	3
N of resistant isolates	3	3	1	3	3	1	0	0	0	0
MIC										
<=0.015							2			
<=0.064			2						3	
<0.064										
<=0.12							1			
0.25	1							3		
2				1						
4		1	1	2						
8							1			2
=16	1				-2					1
32	1			1						
=64		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: Surveillance									
Sampler: Official and industry sampling			Sampling Strategy: Objective sampling			Programme Code: ESBL MON									
Analytical Method:															
Country of Origin: Unknown															
AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	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	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	N of resistant isolates	3	0	3	3	1	1	0	0	0	2	3	2	0	3
	≤0.015	1													
	≤0.03	3													
	0.064	1													
	0.12	1													
≤0.25	1														
≤0.5	1														
0.5	1														
≤1	3														
1	2														
≤2	1														
2	1														
≤4	1														
4	1														
≥4	2														
≤8	2														
8	2														
≥8	2														
32	1														
≥32	3														
64	1														
≥64	3														
≥128	1														
≥1024	3														

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

Sampling Stage: Retail

Sampler: Official and industry sampling

Analytical Method:

Country of Origin: Unknown

Sampling Type: food sample - meat

Sampling Strategy: Objective sampling

Sampling Context: Surveillance

Programme Code: OTHER AMR MON pri2

AM substance	Coliforme									
	Coliforme									
	Coliforme									
	Coliforme + Citralelic acid									
	Coliforme									
	Coliforme									
	Coliforme + Citralelic acid									
	Eragone									
	Eragone									
	Mergone									
	Ternocillin									
Cefotaxime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
zynergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Ceftazidime	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
zynergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
ECOFF	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8
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	64
N of tested isolates	1	1	1	1	1	1	1	1	1	1
N of resistant isolates	0	0	0	0	0	0	0	0	0	0
MIC										
<=0.015	1									
<=0.03	1									
<=0.064	1	1								
<=0.12	1									
<=0.25	1	1								
8	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: Surveillance							
Sampler: Official and industry sampling			Sampling Strategy: Objective sampling					Programme Code: OTHER AMR MON							
Analytical Method:															
Country of Origin: Unknown															
AM substance	Ampicillin	Amikacin	Colistin	Chloramphenicol	Ciprofloxacin	Clindamycin	Gentamicin	Neomycin	Nalidixic acid	Rifampicin	Tetracycline	Trimethoprim			
	ECOFF	9	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	44	44	44	44	44	44	44	44	44	44	44	44	44	44
MIC	N of resistant isolates	4	0	1	0	2	2	0	1	0	2	6	6	0	5
	≤0.015	36													
	≤0.03	44													
	0.03	5													
	0.064	1													
	≤0.25	43													
	≤0.5	44													
	0.5	1													
	≤1	43													
	1	16													
	≤2	31													
	2	1													
	≤4	40													
	4	7													
	≤8	4													
8	1														
16	16														
32	13														
≥32	4														
64	5														
≥64	6														
≥128	2														
≥1024	6														

OTHER ANTIMICROBIAL RESISTANCE TABLES

Table Antimicrobial susceptibility testing of Enterococcus, non-pathogenic - E. faecalis in Meat from bovine animals - fresh

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country Of Origin:Unknown

MIC	AM substance	Ampicillin	Chloramphenicol	Ciprofloxacin	Daptomycin	Erythromycin	Gentamicin	Linezolid	Quinupristin/Dalfopristin	Teicoplanin	Tetracycline	Tigecycline	Vancomycin
	ECOFF	4	32	4	4	4	32	4	4	2	4	0.25	4
	Lowest limit	0.5	4	0.12	0.25	1	8	0.5	0.5	0.5	1	0.03	1
	Highest limit	64	128	16	32	128	1024	64	64	64	128	4	128
<=0.03												4	
0.064												23	
<=0.12				1									
0.12												60	
<=0.25					6								
0.25				6								25	
<=0.5		32						1	4	111			
0.5				19	4								
<=1						66					94		66
1		62		70	42			9	3				
2		18		16	51	34		98	6	1	1		40
<=4			14										
4					9	11		4	12				6
<=8							86						
8			95			1			76				
16			3				26		11				
32											1		
64											5		
128											10		
>128											1		

Table Antimicrobial susceptibility testing of Enterococcus, non-pathogenic - E. faecalis in Meat from pig - fresh

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country Of Origin:Unknown

MIC	AM substance	Ampicillin	Chloramphenicol	Ciprofloxacin	Daptomycin	Erythromycin	Gentamicin	Linezolid	Quinupristin/Dalfopristin	Teicoplanin	Tetracycline	Tigecycline	Vancomycin
	ECOFF												
	Lowest limit												
	Highest limit												
<=0.03												8	
0.064												19	
0.12												94	
<=0.25					6								
0.25				3								50	
<=0.5	31							3	9	171			
0.5				42	13							1	
<=1						93					126		91
1	122			103	76			24	3	1			
2	18			23	73	52		139	8		1		71
<=4			39										
4					4	18		6	23				10
<=8							129						
8			126			3			112		1		
16			5	1			42		16				
32							1		1		3		
64	1										13		
128			2								28		
>128						6							

Table Antimicrobial susceptibility testing of Enterococcus, non-pathogenic - E. faecium in Meat from bovine animals - fresh

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country Of Origin:Unknown

AM substance	Ampicillin	Chloramphenicol	Ciprofloxacin	Daptomycin	Erythromycin	Gentamicin	Linezolid	Quinupristin/Dalfopristin	Teicoplanin	Tetracycline	Tigecycline	Vancomycin
ECOFF	4	32	4	4	4	32	4	1	2	4	0.25	4
Lowest limit	0.5	4	0.12	0.25	1	8	0.5	0.5	0.5	1	0.03	1
Highest limit	64	128	16	32	128	1024	64	64	64	128	4	128
MIC												
<=0.03											1	
0.064											12	
<=0.12			1									
0.12											21	
<=0.25				1								
0.25			1								5	
<=0.5	12							9	39			
0.5			3	2								
<=1					10					36		34
1	18		9	2			3	12				
2	8		12	12	8		26	7				5
<=4		19										
4	1		8	18	13		10	11				
<=8						31						
8		19	1	4	6							
16		1	3		2	8						
>16			1									
64										2		
>128										1		

Table Antimicrobial susceptibility testing of Enterococcus, non-pathogenic - E. faecium in Meat from pig - fresh

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official and industry sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country Of Origin:Unknown

MIC	AM substance	Ampicillin	Chloramphenicol	Ciprofloxacin	Daptomycin	Erythromycin	Gentamicin	Linezolid	Quinupristin/Dalfopristin	Teicoplanin	Tetracycline	Tigecycline	Vancomycin
	ECOFF												
	Lowest limit												
	Highest limit												
0.064												12	
<=0.12				4									
0.12												12	
<=0.25					1								
0.25				1								1	
<=0.5		11							6	23			
0.5				3									
<=1						5					22		25
1		7		12	5			3	5	2			
2		6		2	7	4		14	9		1		
<=4			8										
4		1		2	9	6		8	5				
<=8							23						
8			17		3	5							
16				1		2	2						
32						2							
64						1					1		
128											1		

Specific monitoring of ESBL-/AmpC-/carbapenemase-producing bacteria and specific monitoring of carbapenemase-producing bacteria, in the absence of isolate detected

Programme Code	Matrix Detailed	Zoonotic Agent Detailed	Sampling Strategy	Sampling Stage	Sampling Details	Sampling Context	Sampler	Sample Type	Sampling Unit Type	Sample Origin	Comment	Total Units Tested	Total Units Positive
OTHER CARBA MON	Cattle (bovine animals) - dairy cows	Escherichia coli, non-pathogenic, unspecified	Objective sampling	Farm	N_A	Monitoring - active	Official sampling	animal sample - faeces	animal	Netherlands	CPE culture and RT-PCR performed	300	0
	Cattle (bovine animals) - meat production animals - calves (under 1 year)	Escherichia coli, non-pathogenic, unspecified	Objective sampling	Slaughterhouse	N_A	Monitoring - active	Official sampling	animal sample - caecum	animal	Netherlands	CPE culture and RT-PCR performed	303	0
	Gallus gallus (fowl) - broilers	Escherichia coli, non-pathogenic, unspecified	Objective sampling	Slaughterhouse	N_A	Monitoring - EFSA specifications	Official sampling	animal sample - caecum	animal	Netherlands	CPE culture and RT-PCR performed	301	0
	Pigs - fattening pigs	Escherichia coli, non-pathogenic, unspecified	Objective sampling	Slaughterhouse	N_A	Monitoring - active	Official sampling	animal sample - caecum	animal	Netherlands	CPE culture and RT-PCR performed	300	0

Latest Transmission set

Table Name	Last submitted dataset transmission date
Antimicrobial Resistance	22-Nov-2018
Esbl	06-Aug-2018
Animal Population	06-Aug-2018
Disease Status	06-Aug-2018
Food Borne Outbreaks	06-Aug-2018
Prevalence	06-Aug-2018

Institutions and Laboratories involved in zoonoses monitoring and reporting

Write text here please

Short description of the institutions and laboratories involved in data collection and reporting

Animal population

1. Sources of information and the date(s) (months, years) the information relates to^(a)

Write text here please

2. Definitions used for different types of animals, herds, flocks and holdings as well as the production types covered

Write text here please

3. National changes of the numbers of susceptible population and trends

Write text here please

4. Geographical distribution and size distribution of the herds, flocks and holdings^(b)

Write text here please

5. Additional information

Write text here please

(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

General evaluation*: Please add the zoonotic agent
1. History of the disease and/or infection in the country^(a)
Write text here please
2. Evaluation of status, trends and relevance as a source for humans
Write text here please
3. Any recent specific action in the Member State or suggested for the European Union^(b)
Write text here please
4. Additional information
Write text here please
* 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

Description of Monitoring/Surveillance/Control programmes system*: Please add the matrix and zoonotic agent

1. Monitoring/Surveillance/Control programmes system^(a)

Write text here please

2. Measures in place^(b)

Write text here please

3. Notification system in place to the national competent authority^(c)

Write text here please

4. Results of investigations and national evaluation of the situation, the trends^(d) and sources of infection^(e)

Write text here please

5. Additional information

Write text here please

*** 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).

Food-borne Outbreaks
1. System in place for identification, epidemiological investigations and reporting of food-borne outbreaks
Write text here please
2. Description of the types of outbreaks covered by the reporting
Write text here please
3. National evaluation of the reported outbreaks in the country^(a)
Write text here please
4. Descriptions of single outbreaks of special interest
Write text here please
5. Control measures or other actions taken to improve the situation
Write text here please
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
Write text here please
7. Additional information
Write text here please
(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.

Institutions and laboratories involved in antimicrobial resistance monitoring and reporting

Wageningen BioVeterinary Research (WBVR) is the National Reference Laboratory for AMR. The Netherlands Food and Consumer Product Safety Authority (NVWA) is the CA on i.a. food safety and AMR.

NVWA performs the sampling of caeca at slaughter and meat samples from retail for the mandatory AMR monitoring (2013/652/EU). More, voluntary, AMR work is done by analysing faecal or caeca samples from different animal species and other food products.

WBVR analyses the animal samples, caeca and faeces and performs sensitivity test on isolates. NVWA analyses meat and other food samples and tests isolates on sensitivity to antibiotic substances. Molecular screening, e.g. colistine and CP, and typing of isolates, ESBL/AmpC/CP suspected isolates is performed by WBVR.

The NVWA provides the National Reporting Officer.

Together both institutes coordinate the monitoring (AMR), both mandatory and voluntary, and publish a national report on use of antibiotics and resistance data in livestock. This is combined in the same report with data on antibiotic use and resistance in humans ([Nethmap - MARAN](#))

Short description of the institutions and laboratories involved in data collection and reporting

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

For an overview of the trends see [Nethmap - MARAN](#)

2. Public health relevance of the findings on food-borne AMR in animals and foodstuffs

The use of antibiotics for animals decreased dramatically in the Netherlands since 2009. In 2017 a clear reduction in antibiotic use was only observed in broilers and turkeys, while use in pigs and veal calves showed a small reduction and use in dairy cattle showed a small increase. The use of antibiotics of critical importance to human health care (especially cephalosporins of 3rd and 4th generation) remains to be very minimal.

The usage data are to a large extent reflected in the resistance data of 2017 where proportions of resistant *E. coli* stabilized in pigs compared to constant decreasing tendencies since 2009. In veal calves the resistant proportions have been stable since 2009 and showed a slight increase in 2017. In broilers the continuous reduction in use resulted in an ongoing decrease in proportions of resistant *E. coli* for most antibiotic classes tested. Also the concentration of ESBL/AmpC-producing *E. coli* in broiler faeces and on poultry meat was again lower than in previous years. In contrast to broilers, in 2017 the prevalence of ESBL-carriers again increased in both white and rosé veal calves. This shows that the measures implemented in Dutch livestock production to reduce the overall antibiotic use and to stop the use of 3rd-generation cephalosporins have been effective in reducing ESBL/AmpC-contamination of food-products. But, they have not been sufficiently effective in the veal calf sector, where antimicrobial resistance remained stable and ESBL occurrence increased. As in previous years carbapenemase producing Enterobacteriaceae or the colistin resistance gene *mcr-1*, were not detected or found at low levels, respectively.

3. Recent actions taken to control AMR in food producing animals and food

There has been a very significant reduction in the use of antibiotics in animals in the Netherlands in recent years (a 64,4% decrease from 2009 to 2016). Since prudent use policies have been enacted there has been a clear and associated decrease seen in levels of antimicrobial resistance in broilers, veal calves and pigs in the Netherlands. Good practices applied include

transparency as regards recording and benchmarking of antibiotic use on farms, strengthening the role of veterinarians, taking measures to improve animal health and promoting prudent use in line with official reduction targets. Promotion of the prudent use of antibiotics in animals has also been achieved by implementing policies based on expert scientific advice, monitoring antimicrobial resistance and promoting research and specific initiatives by producer organisations, with the support of government. These initiatives have been backed up with official supervision and controls in an overall One Health context. The findings highlight the progress that can be achieved in a relatively short time period to reduce the use of antibiotics in animals, and associated antimicrobial resistance, while safeguarding animal health and welfare, the economic viability of producers and avoiding an excessively legislative approach.

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

In 2017 a clear reduction in antibiotic use was only observed in broilers and turkeys, while in use pigs and veal calves showed a small reduction and use in dairy cattle showed a small increase. The use of antibiotics of critical importance to human health care (especially cephalosporins of 3rd and 4th generation) remains to be very minimal.

- (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);

General Description of Antimicrobial Resistance Monitoring*; Please add the matrix and bacterial species

1. General description of sampling design and strategy^(a)

Salmonella spp.:

Official controls poultry primary sector (boot swabs)

Breeders: 3 samplings in every flock ($\pm$ 24, 39 en 54 weeks of age)

Layers: sampling eldest flock per farm (> 1000 birds)

Broilers: at 10 % of broiler farms (> 5000 birds) sampling of 1 flock

Turkey breeder:

Isolates are sent to WBVR for sensitivity testing. Isolates collected from the 2nd half of 2017 are reported.

Slaughter:

Bovine:

No isolates reported

Pig:

Isolates from NVWA verification 2073

Poultry:

Isolates from NVWA verification 2073

Voluntary:

From all human *Salmonella* isolates sent to the EURL-SALM (RIVM) by regional public health and other clinical laboratories a selection of 1222 isolates was sent to WBVR for susceptibility testing. These strains were the first isolates recovered from patients with salmonellosis. Also, 475 isolates from other sources were tested consisting of: isolates from pigs (N = 50) and cattle (N = 40) sent to the RIVM by the Animal Health Service in Deventer from a diversity of surveillance programs and clinical *Salmonella* infections in animals. The isolates from broilers (N = 58) and layers and reproduction poultry (N = 8) were mainly nonclinical *Salmonella* isolates derived from a diversity of monitoring programs on farms, slaughterhouses and at retail. Isolates from a diversity of other sources (N = 319 from animal feed and food products; other animals from animal husbandry (e.g. sheep, goats) have also been serotyped and tested. In addition, NVWA tested 143 isolates obtained from raw meats (mainly poultry), spices, herbs and seafood.)

Sensitivity testing is performed by micro broth dilution (MBD) using panel compliant with EU/652/2013

Campylobacter spp.

broiler

Caecal samples collected at slaughter are analysed for *Campylobacter* spp. All isolates, including *C. coli* are sensitivity tested (MBD) by WBVR

Voluntary:

Pigs

Caecal samples collected at slaughter are analysed for *Campylobacter* spp. All isolates, including *C. coli* are sensitivity tested (MBD) by WBVR

Meat

Meat from poultry meat and meat from other species was sampled at retail and analysed for *Campylobacter* spp. Isolates *C. jejuni* and *C. coli* were sensitivity tested (MBD) by NVWA.

Commensal E. coli:

E. coli was analysed in caecal samples from broilers, pigs, veal calves and faecal samples from dairy Cattle by WBVR. NVWA isolated strains from various meat samples from retail. Isolates were tested for sensitivity by MBD using panel compliant with EU/652/2013.

Specific monitoring of ESBL- or AmpC- or carbapenemase-producing Salmonella spp. and E. coli:

All caecal samples taken at slaughter, broiler, pig, veal (white and rosé) and faecal samples from dairy cows, were selectively analysed by WBVR according to EURL-AR protocols for ESBL- or AmpC- or

carbapenemase-producing *E. coli*.

Meat (fresh and 'preparations to be consumed raw' (beef)) samples from different species, lam, beef, pork and poultry, were randomly collected by NVWA at retail shops during the year.

Also imported chicken meat preparation and meat from 'exotic' animals was collected at BIP and wholesale respectively.

Other food samples, imported frozen fish and shrimp from aquaculture, fresh herbs (wholesale and import) and sprouts from retail were randomly collected and analysed by NVWA, according to EURL-AR protocols for ESBL- or AmpC- or carbapenemase-producing *E. coli*.

All isolated were tested for sensitivity (MBD) on two panels antimicrobials compliant with EU/652/2013. Most animal and meat isolates were typed with molecular methods for the 'resistance mechanism' genes by WBVR.

In samples from a project were faecal samples from farms for beef production (adult animals) were collected, specific monitoring of ESBL- or AmpC- or carbapenemase-producing *E. coli* was performed also.

Enterococci:

From the above mentioned samples fresh bovine and pig meat Enterococci were isolated and strains *E. faecium/faecalis* were tested for sensitivity (MBD) on a panels antimicrobials recommended in EU/652/2013.

2. Stratification procedure per animal population and food category

Pigs at slaughter:

Sampling of caeca from 300 animals from unique holdings at the 5 slaughterhouses with the largest slaughter volume in 2016

The amount of samples taken at each slaughterhouse is proportional to slaughter volume of Dutch animals at the specific slaughterhouse (2016) The sampling is specified per quarter for every slaughterhouse to get representation for all seasons

Calves at slaughter

300 caecal samples taken at 4 slaughterhouse were proportional to slaughter volume of the slaughterhouse (2016) The sampling is specified per quarter for every slaughterhouse to get representation for all seasons

Poultry (broiler) at slaughter:

Sampling of caeca of birds from 600 flocks at 9 slaughterhouses, together responsible for processing more then 60% of the volume of broiler meat from 'Dutch originated' flocks. The amount of samples taken at each slaughterhouse is proportional to slaughter volume of the slaughterhouse (2016) The sampling is specified per quarter for every slaughterhouse to get representation for all seasons

For all animal species, only animals/flocks from 'Dutch origin' were sampled.

Food samples

All sampling was performed randomly from retail shops across the country and spread over 2017. Some sampling was performed at wholesale or BIP. This is reported accordingly.

3. Randomisation procedure per animal population and food category

See point 2.

4. Analytical method used for detection and confirmation^(b)

WBVR

Isolation of *Campylobacter* – CCDA agar

Identification of *Campylobacter species* - MALDI

Isolation of *E.coli* - MacConkey agar

Isolation of ESBL, AmpC and carbapenemase producing *E. coli* from caecal samples - according to

EURL-AR protocols for ESBL- or AmpC- or carbapenemase-producing *E. coli*

NVWA

Isolation of *Salmonella* – equivalent to ISO 6579-1

Serotyping of *Salmonella* – Check&Trace- (commercial system), if necessary serotyping by RIVM

Isolation of *Campylobacter* - equivalent to ISO 10272-2

Identification of *Campylobacter* species - MALDI

Isolation of *E.coli* - MacConkey broth and isolation on TBX agar

Isolation of *Enterococcus* – BPW followed by Azide Dextrose broth and isolation on Slanetz-Bartley agar

Identification of *Enterococcus* species - PCR

Isolation of ESBL, AmpC and carbapenemase producing *E. coli* from fresh meat - according to EURL-AR protocols for ESBL- or AmpC- or carbapenemase-producing *E. coli*

5. Laboratory methodology used for detection of antimicrobial resistance^(c)

At WBVR and NVWA MBD panels with antimicrobials (TREK) are used compliant with EU/652/2013 for all species tested (TREK)

WBVR

Carbapenemase producing organisms - commercial RT-PCR (Check-Points, CarbaCheck MDR RT followed by selective plates (ChromID CARBA and ChromID OXA, Biomerieux, for Enterobacteriaceae) and on HIS plates with 0.125 mg/L ertapenem (for *Shewanella* spp) in case of positive screening. Genes were identified with Sanger sequencing

Colistin resistance - samples were tested with conventional PCR for the presence of *mcr-1* and *mcr-2* according to EURL-AR protocols . followed by direct culturing of the original BPW broth on MacConkey agar with 2 mg/L colistin in case of positive screening.

NVWA

Frozen fish and shrimps originating from fish farms in South-East Asia was analysed for ESBL- or AmpC- or carbapenemase-producing organisms. Method used: BPW enrichment followed by isolation on 1) MacConkey with cefotaxime, 2) ChromID CARBA and 3) ChromID OXA-48.

6. Results of investigation

see [Nethmap - MARAN \(2017 data to be published in June 2018\)](#)

7. Additional information

All caecal en faecal samples examined at WBVR are screened for CP and *mcr*(complex) with RT PCR.

*** 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