

ZOONOSES MONITORING

Netherlands

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

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

IN 2018

PRFFACE

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 2018.

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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Cattle (bovine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER AMR MON pnl2 N_A Cattle (bovine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER AMR MON N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pnl2 N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pnl2 N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pnl2 N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pnl2 N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pnl2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - AMR MON pnl2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - AMR MON N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pnl2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pnl2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pnl2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON N_A	149 150 150 151 151 152 152 153 153 153 153 155 155 156 156 158 158 158 158
Cattle (bovine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER AMR MON pnl2 N_A Cattle (bovine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER AMR MON N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pnl2 N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pnl2 N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pnl2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - AMR MON pnl2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - AMR MON N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pnl2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pnl2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pnl2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pnl2 N_A Meat from broilers (Gallus gallus) - fresh - Processing plant - Surveillance - Official sampling - OTHER ESBL MON pnl2	149
Cattle (bovine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER AMR MON pnl2 N.A Cattle (bovine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER AMR MON N.A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pnl2 N.A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON N.A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON N.A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pnl2 N.A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pnl2 N.A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - AMR MON pnl2 N.A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - AMR MON N.A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pnl2 N.A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pnl2 N.A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pnl2 N.A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pnl2 N.A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON N.A Meat from broilers (Gallus gallus) - fresh - Processing plant - Surveillance - Official sampling - OTHER ESBL MON pnl2 n=5	149 150 150 151 151 151 152 152 153 153 153 153 153 153 153 153 154 155 156 156 156 156 156 156 156 156 156
Cattle (bovine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER AMR MON pnl2 N_A Cattle (bovine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER AMR MON N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pnl2 N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pnl2 N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - AMR MON pnl2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pnl2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pnl2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pnl2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pnl2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pnl2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pnl2 N_A Meat from broilers (Gallus gallus) - fresh - Processing plant - Surveillance - Official sampling - OTHER ESBL MON pnl2 n=5 Meat from broilers (Gallus gallus) - fresh - Processing plant - Surveillance - Official sampling - OTHER ESBL MON	149 150 150 151 151 151 152 152 153 153 153 153 153 155 155 155 156 156 158 158 158 160 160 160 162
Cattle (bovine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER AMR MON pnl2 N_A Cattle (bovine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER AMR MON N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pnl2 N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pnl2 N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pnl2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - AMR MON pnl2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - AMR MON N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pnl2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pnl2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pnl2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pnl2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pnl2 N_A Meat from broilers (Gallus gallus) - fresh - Processing plant - Surveillance - Official sampling - OTHER ESBL MON pnl2 n=5 Meat from broilers (Gallus gallus) - fresh - Processing plant - Surveillance - Official sampling - OTHER ESBL MON n=5 Meat from broilers (Gallus gallus) - fresh - Processing plant - Surveillance - Official sampling - OTHER ESBL MON n=5 Meat from broilers (Gallus gallus) - fresh - Processing plant - Surveillance - Official sampling - OTHER ESBL MON n=5	149 150 150 151 151 151 152 153 153 154 155 155 155 156 156 156 156 156 156 156
Cattle (bovine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER AMR MON pnl2 N_A Cattle (bovine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER AMR MON N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pnl2 N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pnl2 N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - AMR MON pnl2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pnl2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pnl2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pnl2 N_A Meat from broilers (Gallus gallus) - fresh - Processing plant - Surveillance - Official sampling - OTHER ESBL MON pnl2 n=5 Meat from broilers (Gallus gallus) - fresh - Processing plant - Surveillance - Official sampling - OTHER ESBL MON n=5 Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pnl2	149 150 150 151 151 151 152 152 153 153 153 153 153 154 155 156 156 156 156 156 156 156 156 156
Cattle (bovine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER AMR MON pn12 N. A Cattle (bovine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER AMR MON N. A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pn12 N. A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON N. A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON N. A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pn12 N. A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pn12 N. A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - AMR MON pn12 N. A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - AMR MON N. A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pn12 N. A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pn12 N. A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pn12 N. A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pn12 N. A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pn12 N. A Meat from broilers (Gallus gallus) - fresh - Processing plant - Surveillance - Official sampling - OTHER ESBL MON pn12 N. A Meat from broilers (Gallus gallus) - fresh - Processing plant - Surveillance - Official sampling - OTHER ESBL MON pn12 N. A Meat from broilers (Gallus gallus) - fresh - Processing plant - Surveillance - Official sampling - OTHER ESBL MON pn12 N. A	149 150 150 151 151 151 152 152 153 153 153 153 153 153 153 153 154 154 155 155 156 160 160 160 160 160 160 160 160 160 16
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Cattle (bovine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER AMR MON pni2 N_A Cattle (bovine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER AMR MON N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pni2 N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pni2 N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pni2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - AMR MON pni2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - AMR MON N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pni2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pni2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pni2 N_A Meat from broilers (Gallus gallus) - fresh - Processing plant - Surveillance - Official sampling - OTHER ESBL MON pni2 N_A Meat from broilers (Gallus gallus) - fresh - Processing plant - Surveillance - Official sampling - ESBL MON pni2 N_A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON pni2 N_A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON pni2 N_A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON pni2 N_A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON pni2 N_A	149
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Cattle (bovine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER AMR MON pnI2 N.A Cattle (bovine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER AMR MON N.A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pnI2 N.A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON N.A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON N.A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pnI2 N.A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pnI2 N.A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - AMR MON pnI2 N.A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - AMR MON N.A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON N.A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON N.A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON N.A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON N.A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON N.A Meat from broilers (Gallus gallus) - fresh - Processing plant - Surveillance - Official sampling - OTHER ESBL MON pnI2 N.A Meat from broilers (Gallus gallus) - fresh - Processing plant - Surveillance - Official sampling - ESBL MON pnI2 N.A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON pnI2 N.A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON pnI2 N.A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON N.A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON N.A	149 150 150 151 151 151 151 152 152 153 153 153 153 153 153 153 155 156 156 156 156 156 156 160 160 160 160 160 160 160 160 160 16
Cattle (bovine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER AMR MON pn/2 N_A Cattle (bovine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER AMR MON N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pn/2 N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pn/2 N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pn/2 N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pn/2 N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pn/2 N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pn/2 N_A Pigs - fattering pigs - Slaughterhouse - Monitoring - Official sampling - AMR MON pn/2 N_A Pigs - fattering pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pn/2 N_A Pigs - fattering pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pn/2 N_A Pigs - fattering pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pn/2 N_A Meat from broilers (Gallus gallus) - fresh - Processing plant - Surveillance - Official sampling - OTHER ESBL MON pn/2 N_A Meat from broilers (Gallus gallus) - fresh - Processing plant - Surveillance - Official sampling - OTHER ESBL MON pn/2 N_A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON pn/2 N_A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON pn/2 N_A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON pn/2 N_A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON pn/2 N_A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON pn/2 N_A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON pn/2 N_A M	149 150 150 151 151 151 152 152 153 153 153 153 153 155 155 155 156 160 160 160 160 160 160 160 160 160 16
Cattle (bowine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER AMR MON pn/2 N_A Cattle (bowine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER AMR MON N_A Meat from turkey - Fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pn/2 N_A Meat from broilers - Retail - Surveillance - Official sampling - OTHER ESBL MON N_A Meat from broilers - Retail - Surveillance - Official sampling - OTHER ESBL MON N_A Meat from broilers (Gallus gallus) - Fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON N_A Pigs - Fattering pigs - Slaughterhouse - Monitoring - Official sampling - AMR MON N_A Pigs - Fattering pigs - Slaughterhouse - Monitoring - Official sampling - AMR MON N_A Pigs - Fattering pigs - Slaughterhouse - Monitoring - Official sampling - AMR MON N_A Pigs - Fattering pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pn/2 N_A Pigs - Fattering pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pn/2 N_A Meat from broilers (Gallus gallus) - Fresh - Processing plant - Surveillance - Official sampling - OTHER ESBL MON pn/2 N_A Meat from broilers (Gallus gallus) - Fresh - Processing plant - Surveillance - Official sampling - ESBL MON pn/2 N_A Meat from broilers (Gallus gallus) - Fresh - Processing plant - Surveillance - Official sampling - ESBL MON pn/2 N_A Meat from broilers (Gallus gallus) - Fresh - Retail - Surveillance - Official sampling - ESBL MON pn/2 N_A Meat from broilers (Gallus gallus) - Fresh - Retail - Surveillance - Official sampling - ESBL MON pn/2 N_A Meat from broilers (Gallus gallus) - Fresh - Retail - Surveillance - Official sampling - ESBL MON pn/2 N_A Meat from broilers (Gallus gallus) - Fresh - Retail - Surveillance - Official sampling - ESBL MON pn/2 N_A Meat from broilers (Gallus gallus) - Fresh - Retail - Surveillance - Official sampling - ESBL MON pn/2 N_A Meat from broilers (Gallus gallus) - Fresh - Retail - Surveillance - Official sampling - ESBL MON pn/2	149 150 150 151 151 151 151 152 152 153 153 153 154 155 156 156 156 156 156 166 166 166 167 167 169 169
Cattle (bovine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER AMR MON pn/2 N_A Cattle (bovine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER AMR MON N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pn/2 N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pn/2 N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pn/2 N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pn/2 N_A Meat from turkey - fresh - Retail - Surveillance - Official sampling - AMR MON pn/2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - AMR MON pn/2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pn/2 N_A Pigs - fattening pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pn/2 N_A Meat from broilers (Gallus gallus) - fresh - Processing plant - Surveillance - Official sampling - OTHER ESBL MON pn/2 N_A Meat from broilers (Gallus gallus) - fresh - Processing plant - Surveillance - Official sampling - ESBL MON pn/2 N_A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON pn/2 N_A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON pn/2 N_A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON pn/2 N_A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON pn/2 N_A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON pn/2 N_A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON pn/2 N_A Meat from broilers (Gall	149
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Cattle (bovine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER AMM MON pn/2 N. A Cattle (bovine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER AMM MON N. A Meat from turkey - Fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pn/2 N. A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON N. A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON N. A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON N. A Pigs - fattering pigs - Slaughterhouse - Monitoring - Official sampling - AMR MON N. A Pigs - fattering pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pn/2 N. A Pigs - fattering pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pn/2 N. A Pigs - fattering pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pn/2 N. A Pigs - fattering pigs - Slaughterhouse - Monitoring - Official sampling - ESBL MON pn/2 N. A Meat from broilers (Gallus gallus) - fresh - Processing plant - Surveillance - Official sampling - OTHER ESBL MON pn/2 N. A Meat from broilers (Gallus gallus) - fresh - Processing plant - Surveillance - Official sampling - ESBL MON N. A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON N. A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON N. A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON N. A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON N. A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON N. A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON N. A Meat from broilers (Gallus gallus) - fresh - Retail - Surveillance - O	149 150 150 151 151 151 151 152 152 153 153 153 153 153 153 153 153 154 155 155 156 156 158 160 160 160 160 160 160 160 160 160 160
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Cattle (toxine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER ANR NON pnz N.A Cattle (toxine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER ANR NON N.A Meat from tarkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pnz N.A Meat from tarkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON N.A Meat from tarkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON N.A Meat from tarkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pnz N.A Meat from tarkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON N.A Pigs - fathering pigs - Staughterhouse - Monitoring - Official sampling - ANR MON pnz N.A N.A Pigs - fathering pigs - Staughterhouse - Monitoring - Official sampling - ANR MON pnz N.A Pigs - fathering pigs - Staughterhouse - Monitoring - Official sampling - ESBL MON N.A N.A Pigs - fathering pigs - Staughterhouse - Monitoring - Official sampling - ESBL MON N.A Pigs - fathering pigs - Staughterhouse - Monitoring - Official sampling - ESBL MON N.A N.A Pigs - fathering pigs - Staughterhouse - Monitoring - Official sampling - ESBL MON N.A N.A Pigs - fathering pigs - Staughterhouse - Monitoring - Official sampling - ESBL MON N.A	149
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Cattle (bovine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER ANR NON N.A Cattle (bovine animals) - dairy cows - Farm - Monitoring - Official sampling - OTHER ANR NON N.A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pni2 N.A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pni2 N.A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pni2 N.A Meat from turkey - fresh - Retail - Surveillance - Official sampling - OTHER ESBL MON pni2 N.A Meat from turkey - fresh - Retail - Surveillance - Official sampling - AMR MON pni2 N.A Pigs - faterining pigs - Staughterhouse - Monitoring - Official sampling - AMR MON pni2 N.A Pigs - faterining pigs - Staughterhouse - Monitoring - Official sampling - AMR MON pni2 N.A Pigs - faterining pigs - Staughterhouse - Monitoring - Official sampling - ESBL MON pni2 N.A Pigs - faterining pigs - Staughterhouse - Monitoring - Official sampling - ESBL MON pni2 N.A Pigs - faterining pigs - Staughterhouse - Monitoring - Official sampling - ESBL MON pni2 N.A Meat from brollers (Gallus gallus) - fresh - Processing pient - Surveillance - Official sampling - OTHER ESBL MON pni2 N.A Meat from brollers (Gallus gallus) - fresh - Processing pient - Surveillance - Official sampling - OTHER ESBL MON pni2 N.A Meat from brollers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON pni2 N.A Meat from brollers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON pni2 N.A Meat from brollers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON pni2 N.A Meat from brollers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON pni2 N.A Meat from brollers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON pni2 N.A Meat from brollers (Gallus gallus) - fresh - Retail - Surveillance - Official sampling - ESBL MON pni2 N.A Meat from bro	149 150 150 151 151 151 152 152 153 153 153 153 153 153 154 154 155 155 156 166 166 166 166 166 166 166
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ANIMAL POPULATION TABLES

Table Susceptible animal population

			Population	
Animal species	Category of animals	holding	animal	slaughter animal (heads)
Cattle (bovine animals)	Cattle (bovine animals)	33,509	3,945,987	
	Cattle (bovine animals) - calves (under 1 year) - for slaughter			1,603,695
	Cattle (bovine animals) - dairy cows and heifers			584,773
Deer	Deer - farmed			2,145
Ducks	Ducks - unspecified		8,353,587	
Gallus gallus (fowl)	Gallus gallus (fowl)			625,303,614
	Gallus gallus (fowl) - breeding flocks, unspecified	375	11,412,547	
	Gallus gallus (fowl) - broilers - unspecified	540	43,242,249	
	Gallus gallus (fowl) - laying hens	842	47,746,971	
Goats	Goats	12,873	651,389	177,886
Pigs	Pigs - unspecified	10,766	12,296,000	15,572,931
Sheep	Sheep	28,715	1,265,278	
	Sheep - animals over 1 year			140,483
	Sheep - animals under 1 year (lambs)			389,094
Solipeds, domestic	Solipeds, domestic - horses			2,409
Turkeys	Turkeys - unspecified	28	635,853	
Wild boars	Wild boars - farmed			2

DISEASE STATUS TABLES

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

					Number of											Number of		Number of	
	Number of				animals											notified	Number of	abortions	Number of
	animals		Number of	Number of	positive in											abortions	isolations	due to	animals
	serologicall	Number of	seropositiv	animals	microbiolog									Number of	Number of	whatever	of Brucella	Brucella	tested by
	y tested	suspended	e animals	positive to								Number of	Number of	animals or	infected	cause	abortus	infection	microbiolog
		herds under		BST under		Number of			Number of	Number of		infected	herds	pools	herds	under	under	under	y under
	investigatio	investigatio	investigatio	investigatio	investigatio	herds with			herds	animals		herds	tested	tested	tested	investigatio	investigatio	investigation	investigatio
	ns of	status	Number of	Total	tested	tested	Total	tested	under	under	under	ns of	ns of	ns of	ns of				
	suspect	suspect	suspect	suspect	suspect	officially	infected	number of	under	under	number of	under		surveillance			suspect	suspect	suspect
Region	cases	cases	cases	cases	cases	free	herds	animals	surveillance	surveillance	herds	surveillance	by bulk mill	by bulk milk	by bulk milk	cases	cases	cases	cases
NETHERLANDS	10,175	39	39	0	0	33,509	0	3,945,987	· 0	0	33,509) C) (0	0	10,175	0	() 18

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

Region	y tested under	suspended herds under	e animals under	microbiolog	Number of	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 microbiolog y under investigatio ns of suspect cases
NETHERLAND	DS 40) 0	2	: 0	41,588	0	1,916,667	' 1,496	18,054	41,588	0	2

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	33,509	0	3,945,987	18	0	33,509

PREVALENCE TABLES

Table Brucella:BRUCELLA in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling Details	Method	Sampling unit	units	units positive	Zoonoses	N of units positive
Not Available	Dogs - Veterinary clinics - Bulgaria - animal sample - blood - Clinical investigations - Official sampling - Suspect sampling	N_A	Not Available	animal	4	3	Brucella canis	3
	Goats - Farm - Not Available - Not Available - Monitoring - Not applicable - Selective sampling	N_A	Not Available	animal	1618	0	Brucella melitensis	0
	Pigs - fattening pigs - Farm - Not Available - Not Available - Clinical investigations - Official sampling - Objective sampling	N_A	Not Available	animal	6467	0	Brucella	0
	Sheep - Farm - Not Available - Not Available - Monitoring - Not applicable - Selective sampling	N_A	Not Available	animal	16672	0	Brucella melitensis	0

	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling			Sampling		Total units		N of units
Area of Sampling	strategy	Sampling Details	Method	unit	tested	positive	Zoonoses	positive
Not Available	Antelopes - Zoo - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	N_A	Not Available	animal	18	1	Campylobacter, unspecified sp.	1
	Birds - Zoo - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	N_A	Not Available	animal	30	18	Campylobacter, unspecified sp.	18
	Cats - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	N_A	Not Available	animal	26	4	Campylobacter, unspecified sp.	4
	Cattle (bovine animals) - Artificial insemination station - Not Available - Not Available - Monitoring - Not applicable - Selective sampling	Preputial/Vaginal lavage	Not Available	animal	27335	0	Campylobacter	0
	Cattle (bovine animals) - Farm - Not Available - Not Available - Monitoring - Not applicable - Objective sampling	Pathology	Not Available	animal	2414	0	Campylobacter	0
	Dogs - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	N_A	Not Available	animal	83	39	Campylobacter, unspecified sp.	39
	Ferrets - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	N_A	Not Available	animal	2	2	Campylobacter, unspecified sp.	2
	Foxes - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	N_A	Not Available	animal	1	1	Campylobacter, unspecified sp.	1
	Goats - Farm - Netherlands - Not Available - Clinical investigations - HACCP and own check - Not specified	Pathology	Not Available	animal	animal 382 1 Campylobacter, unspecified sp.	Campylobacter, unspecified sp.	1	
	Monkeys - zoo animal - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	N_A	Not Available	animal	120	30	Campylobacter, unspecified sp.	30
	Other animals - exotic pet animals - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	N_A	Not Available	animal	24	11	Campylobacter, unspecified sp.	11
	Pigs - breeding animals - unspecified - piglets - Farm - Not Available - Not Available - Clinical investigations - HACCP and own check - Objective sampling	N_A	Not Available	animal	2307	0	Campylobacter	0
	Raccoons - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	N_A	Not Available	animal	8	1	Campylobacter, unspecified sp.	1
	Rodents - zoo animal - Zoo - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	N_A	Not Available	animal	7	2	Campylobacter, unspecified sp.	2
	Seals - zoo animals - Zoo - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	N_A	Not Available	animal	1	1	Campylobacter, unspecified sp.	1
	Sheep - Farm - Netherlands - Not Available - Clinical investigations - HACCP and own check - Not specified	Pathology	Not Available	animal	406	4	Campylobacter, unspecified sp.	4
=	Solipeds, domestic - horses - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	N_A	Not Available	animal	183	1	Campylobacter, unspecified sp.	1
	Squirrels - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	N_A	Not Available	animal	20	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	Sampling Details	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Fruits and vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	ISO 10272- 1:2006 Campylobacter	164	1	Campylobacter, unspecified sp.	1
	Meat from broilers (Gallus gallus) - carcase - Slaughterhouse - Not Available - food sample - carcase swabs - Monitoring - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	N_A	ISO/TS 10272- 2:2006 Campylobacter	277	104	Campylobacter, unspecified sp.	104
	Meat from broilers (Gallus gallus) - fresh - chilled - Processing plant - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	n=5	ISO 10272- 1:2006 Campylobacter	21	17	Campylobacter, unspecified sp.	17
	Meat from broilers (Gallus gallus) - fresh - chilled - Processing plant - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	n=5	ISO/TS 10272- 2:2006 Campylobacter	21	17	Campylobacter, unspecified sp.	17
	Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	ISO 10272- 1:2006 Campylobacter	295	111	Campylobacter, unspecified sp.	111
	Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	ISO/TS 10272- 2:2006 Campylobacter	295	111	Campylobacter, unspecified sp.	111
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	n=5	ISO 10272- 1:2006 Campylobacter	10	6	Campylobacter, unspecified sp.	6
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	ISO 10272- 1:2006 Campylobacter	300	83	Campylobacter, unspecified sp.	83
	Meat from goat - fresh - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	ISO 10272- 1:2006 Campylobacter	4	0	Campylobacter	0
	Meat from goat - fresh - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	ISO/TS 10272- 2:2006 Campylobacter	4	0	Campylobacter	0
	Meat from sheep - fresh - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	ISO 10272- 1:2006 Campylobacter	283	6	Campylobacter, unspecified sp.	6
	Meat from sheep - fresh - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	ISO/TS 10272- 2:2006 Campylobacter	283	6	Campylobacter, unspecified sp.	6
	Meat from turkey - fresh - chilled - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	ISO 10272- 1:2006 Campylobacter	22	4	Campylobacter, unspecified sp.	4
	Meat from turkey - fresh - chilled - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	ISO/TS 10272- 2:2006 Campylobacter	22	4	Campylobacter, unspecified sp.	4
	Meat from turkey - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	ISO 10272- 1:2006 Campylobacter	4	1	Campylobacter, unspecified sp.	1
	Milk, cows' - raw milk - intended for direct human consumption - Farm - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	ISO 10272- 1:2006 Campylobacter	100	0	Campylobacter	0
	Vegetables - pre-cut - non-ready-to-eat - Retail - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	ISO 10272- 1:2006 Campylobacter	296	0	Campylobacter	0
	Vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	ISO 10272- 1:2006 Campylobacter	642	0	Campylobacter	0

Table COXIELLA in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sampling Details	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	Pathology	Not Available	371	3		Coxiella burnetii	3
	Goats - Farm - Netherlands - Not Available - Clinical investigations - HACCP and own check - Not specified	animal	Pathology	Not Available	382	0		Coxiella	0
	Goats - Farm - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	animal	N_A	Not Available	410	0		Coxiella	0
	Sheep - Farm - Netherlands - Not Available - Clinical investigations - HACCP and own check - Not specified	animal	Pathology	Not Available	406	0		Coxiella	0
	Sheep - Farm - Not Available - Not Available - Monitoring - active - Official sampling - Objective sampling	animal	N_A	Not Available	31	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 unit	Sampling Details	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/fee d)	10	Gram	30x 10g	ISO 22964:2017 Cronobacter	59	0	Cronobacter	0
	Infant formula - dried - intended for infants below 6 months - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	10	Gram	objective sampling by COKZ for export certification	ISO 22964:2017 Cronobacter	43	0	Cronobacter	0

Table Echinococcus: ECHINOCOCCUS in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling Details	Method	Sampling unit	units	Total units positive	Zoonoses	N of units positive
Zuid-Limburg	Foxes - wild - Natural habitat - Not Available - Not Available - Monitoring - passive - Not applicable - Selective	N_A	Not Available	animal	63	1	Echinococcus multilocularis	1
	sampling							

of sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling uni	Sample t weight	Sample weight unit	Sampling Details	Method	total unit	ts total units positive	Zoonoses	ANTH	VTX	AG	N units positive
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)	10	Gram	N_A	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	56	2	VTEC, unspecified	Not Available	Verotoxin production, toxin type unknown	Adhesion genes not investigate d	2
	Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Retail - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/feed)	25	Gram	N_A	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	56	2	VTEC 043	H2	VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
						0104.H4)			VTEC O5	H-	VT1, gene identified, subtype unspecified	eae positive	1
	Crustaceans - shrimps - raw - frozen - Border inspection activities - Not Available - food sample - Monitoring - Official sampling - Objective sampling	batch (food/feed)	25	Gram	N_A	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	100	0	Verocytotoxi genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Fish (food) - Border inspection activities - Not Available - food sample - Monitoring - Official sampling - Objective sampling	batch (food/feed)	25	Gram	N_A	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	204	0	Verocytotoxi genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Fruits and vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/feed)	25	Gram	N_A	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	288	0	Verocytotoxi genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
_	Live bivalve molluscs - mussels - Retail - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/feed)	25	Gram	N_A	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	70	0	Verocytotoxi genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Live bivalve molluscs - oysters - Processing plant - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/feed)	25	Gram	N_A	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	36	0	Verocytotoxi genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Live bivalve molluscs - oysters - Retail - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/feed)	25	Gram	N_A	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	23	0	Verocytotoxi genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from bovine animals - fresh - frozen - Conservation facilities - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	batch (food/feed)	25	Gram	n=5	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	20	3	VTEC O116		VT2, gene identified, subtype unspecified	negative	1
						0104.114)			VTEC 0174	H21	VT2, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
									VTEC, unspecified	Not Available	Verotoxin production, toxin type unknown	Adhesion genes not investigate d	1
	Meat from bovine animals - fresh - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/feed)	25	Gram	N_A	ISO/TS 13136:2012 (including the EU-RL adaptation for	574	23	VTEC O104	H7	VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
						O104:H4)			VTEC 0113	H21	VT2, gene identified, subtype unspecified	Entero- 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	Sampling Details	Method	total units tested		Zoonoses	ANTH	VTX	AG	N units positive
Not Available	Meat from bovine animals - fresh - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/feed)	25	Gram	N_A	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	574	23	VTEC O136	H12	VT2, gene identified, subtype unspecified; VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
									VTEC O146	H21	VT2, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
									VTEC O149	H12	VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion	1
									VTEC 0157	H7	VT2, gene identified, subtype unspecified ;VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion	1
									VTEC 0171	H2	VT2, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
										H25	VT2, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
									VTEC 0174	H21	VT2, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	3
									VTEC 0176	H4	VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
									VTEC 0185	H7	VT2, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
									VTEC O4	H4	VT2, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
									VTEC O5	H28	VT2, gene identified, subtype unspecified; VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
									VTEC O55	H12	VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
									VTEC O6	H10	VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion	1
									VTEC 076	H19	VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion	2
									VTEC O88	H25	VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion	1

Area of sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling uni	Sample t weight	Sample weight unit	Sampling Details	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 - Monitoring - Official sampling - Objective sampling	single (food/feed)	25	Gram	N_A	ISO/TS 13136:2012 (including the EU-RL adaptation for	574	23	VTEC Orough	H11	VT2, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
						O104:H4)			VTEC, unspecified	Not Available	VT1, gene identified, subtype unspecified	eae positive	2
	Meat from bovine animals - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/feed)	25	Gram	N_A	ISO/TS 13136:2012 (including the EU-RL adaptation for	161	20	VTEC 0113	H4	VT2, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	2
						O104:H4)			VTEC O130		VT2, gene identified, subtype unspecified ;VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
									VTEC 0153	H21	VT2, gene identified, subtype unspecified	negative	1
											VT2, gene identified, subtype unspecified; VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
									VTEC 0157	H7	VT2, gene identified, subtype unspecified; VT1, gene identified, subtype unspecified	eae positive	1
									VTEC O168	H8	VT2, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
									VTEC 0171		VT2, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
									VTEC 0174	H7	VT2, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
									VTEC 0185	H7	VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	2
									VTEC 022	Н8	VT2, gene identified, subtype unspecified ;VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
									VTEC O26	H11	VT2, gene identified, subtype unspecified ;VT1, gene identified, subtype unspecified	eae positive	1
									VTEC O55	H12	VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1

Area of sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling uni	Sample t weight	Sample weight unit	Sampling Details	Method	total units tested	s total units positive	Zoonoses	ANTH	VTX	AG	N units positive
Not Available	Meat from bovine animals - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/feed)	25	Gram	N_A	ISO/TS 13136:2012 (including the EU-RL adaptation for	161	20	VTEC 091	H21	VT2, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	2
						O104:H4)			VTEC, unspecified	H4	VT2, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	2
										HNT	VT1, gene identified, subtype unspecified	eae positive	1
										Not Available	Verotoxin production, toxin type unknown	Adhesion genes not investigate d	1
	Meat from bovine animals - meat preparation - intended to be eaten raw - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/feed)	25	Gram	N_A	ISO/TS 13136:2012 (including the EU-RL adaptation for	314	5	VTEC O113	H21	VT2, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	2
						O104:H4)			VTEC O23	H15	VT2, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
									VTEC O8	H14	VT2, gene identified, subtype unspecified ;VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion	1
									VTEC, unspecified	H28	VT2, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/feed)	25	Gram	N_A	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	3	0	Verocytotoxi genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - frozen - Border inspection activities - Not Available - food sample - Monitoring - Official sampling - Objective sampling	batch (food/feed)	25	Gram	n=5	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	75	0	Verocytotoxi genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Meat from goat - fresh - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/feed)	25	Gram	N_A	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	4	0	Verocytotoxi genic 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 - Monitoring - Official sampling - Objective sampling	single (food/feed)	25	Gram	N_A	ISO/TS 13136:2012 (including the EU-RL adaptation for	44	4	VTEC 0171	H2	VT2, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
						O104:H4)			VTEC O21	H21	VT2, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
									VTEC O54	H16	VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion	1
									VTEC O8	H8	VT2, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1

Area of sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling un	Sample it weight	Sample weight unit	Sampling Details	Method	total units	total units	Zoonoses	ANTH	VTX	AG	N units positive
Not Available	Meat from pig - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/feed)	25	Gram	N_A	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	143	1	VTEC, unspecified	Not Available	VT2, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
	Meat from sheep - fresh - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/feed)	25	Gram	N_A	ISO/TS 13136:2012 (including the EU-RL adaptation for	283	44	VTEC O108		VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	2
						O104:H4)			VTEC 0113		VT2, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
										H4	VT2, gene identified, subtype unspecified ;VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
									VTEC 0117	H21	VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
									VTEC 0128	H2	VT2, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
											VT2, gene identified, subtype unspecified; VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
									VTEC 0136	H12	VT2, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
									VTEC O145	H-	VT2, gene identified, subtype unspecified	eae positive	1
									VTEC 0146	H21	VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	2
											VT2, gene identified, subtype unspecified; VT1, gene identified, subtype unspecified	eae positive Entero- aggregativ e adhesion genes negative	11
									VTEC 015	H27	VT2, gene identified, subtype unspecified; VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	3
									VTEC O165	H25	VT2, gene identified, subtype unspecified; VT1, gene identified, subtype unspecified	eae positive	1
									VTEC 0174	H8	VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1

Area of sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling uni	Sample t weight	Sample weight unit	Sampling Details	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 - Monitoring - Official sampling - Objective sampling	single (food/feed)	25	Gram	N_A	ISO/TS 13136:2012 (including the EU-RL adaptation for	283	44	VTEC O187	H52	VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
						O104:H4)			VTEC O21	H21	VT2, gene identified, subtype unspecified	eae positive	1
									VTEC 038	H26	VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	2
											VT2, gene identified, subtype unspecified; VT1, gene identified, subtype unspecified	negative	3
											VT2f;VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1
									VTEC 076	H19	VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	2
									VTEC 091	H14	VT2, gene identified, subtype unspecified	negative	1
											VT2, gene identified, subtype unspecified; VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	3
									VTEC, unspecified	Not Available	Verotoxin production, toxin type unknown	Adhesion genes not investigate d	2
	Meat from sheep - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/feed)	25	Gram	N_A	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	1	0	Verocytotoxi genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Milk, cows' - raw milk - intended for direct human consumption - Farm - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/feed)	25	Gram	N_A	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	100	0	Verocytotoxi genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Seeds, dried - Retail - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/feed)	25	Gram	N_A	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	299	0	Verocytotoxi genic E. coli (VTEC)	Not Available	Not Available	Not Available	0
	Spices and herbs - fresh - Border inspection activities - Not Available - food sample - Monitoring - Official sampling - Objective sampling	batch (food/feed)	25	Gram	n=5	ISO/TS 13136:2012 (including the EU-RL adaptation for	64	2	VTEC O128	H2	VT2f	Entero- aggregativ e adhesion genes negative	1
						O104:H4)			VTEC 08	H19	VT2, gene identified, subtype unspecified ;VT1, gene identified, subtype unspecified	Entero- aggregativ e adhesion genes negative	1

Area of sampling Not Available	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy Vegetables - pre-cut - non-ready-to-eat - Retail - Not Available - food sample - Monitoring - Official sampling - Objective sampling	Sampling uni single (food/feed)	Sample it weight 25	weight unit Gram	Sampling Details N_A	ISO/TS 13136:2012 (including the EU-RL	total units tested 298	s total units positive	Zoonoses Verocytotoxi genic E. coli (VTEC)	ANTH Not Available	VTX Not Available	AG Not Available	N units positive
	Vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/feed)	25	Gram	endive	adaptation for O104:H4) ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	1176	1	VTEC O179	H8	VT2f	Entero- aggregativ e adhesion genes negative	1
	Vegetables - products - dried - Retail - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/feed)	25	Gram	N_A	ISO/TS 13136:2012 (including the EU-RL adaptation for O104:H4)	20	0	Verocytotoxi genic 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	Sampling Details	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	Milk	Not Available	animal	7081	1	Listeria spp., unspecified	1
	Cattle (bovine animals) - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	Pathology	Not Available	animal	2414	11	Listeria spp., unspecified	11
	Goats - Farm - Netherlands - Not Available - Clinical investigations - HACCP and own check - Not specified	Pathology	Not Available	animal	382	25	Listeria spp., unspecified	25
	Pigs - breeding animals - unspecified - piglets - Farm - Not Available - Not Available - Clinical investigations - HACCP and own check - Suspect sampling	N_A	Not Available	animal	2307	0	Listeria	0
	Sheep - Farm - Netherlands - Not Available - Clinical investigations - HACCP and own check - Not specified	Pathology	Not Available	animal	406	17	Listeria spp., unspecified	17

Conceau make the content in the first make the part of the content in the conte	Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Sampling Details	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Executing of the control with front found may product found may be a secure of the control with front found may be a secure of the control with front found may be a secure of the control with front found may be a secure of the control with front found may be a secure of the control with front found may be a secure of the control with front found may be a secure of the control with front found may be a secure of the control with front found may be a secure of the control with front found may be a secure of the control with front found may be a secure of the control with front found may be a secure of the control with front found may be a secure of the control with front found may be a secure of the control with front found may be a secure of the control with front found may be a secure of the control with front found may be a secure of the control with front found may be a secure of the control with front found may be a secure of the control with front front found may be a secure of the control with front front front found may be a secure of the control with front	Not Available			10	Gram	N_A	148	1	<= 100	Listeria monocytogenes	1	1
Contemporaries Description									>100	Listeria monocytogenes	1	0
Nettlederlands food ample - Surveillance - Landed on Regulation 2073 - Official sampling - Operations are not to start the control of the c		food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective	(food/fee	25	Gram	N_A	148	1	detection	Listeria monocytogenes	148	1
Cheeses made from commiss. North and serging of policy of the policy of		Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling -	(food/fee	25	Gram	N_A	45	0	detection	Listeria monocytogenes	45	0
Social samples - Surveillance - Ibased on Regulation 2073 - Official sampling - Operation of the Control of the			(food/fee	25	Gram	objective sampling by COKZ for export certification	19	0	detection	Listeria monocytogenes	19	0
Exempling controllarion. Indeed from positivariant of mile. Farm - Referentiant of the plant and from positivariant mile. Farm - Referentiant of the plant and make from pasticular and mile. Farm - Referentiant of the plant and make from pasticular and mile. Farm - Referentiant mile. Far				10	Gram	N_A	122	1	<= 100	Listeria monocytogenes	1	1
tool sample - Surveillance - Dates of Degulation 2073 - Official sampling - Objective samplin									>100	Listeria monocytogenes	1	0
Cheeses made from cover imits hard-made from patientized mits Processing plant-Netherlands - Good sample - Surveillance - based on Regulation 2773 - Official sampling - Goodness of the County		food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective	(food/fee	25	Gram	N_A	122	1	detection	Listeria monocytogenes	122	1
Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling - Obj			(food/fee		Gram	objective sampling by COKZ for export certification	4	0	detection	Listeria monocytogenes	4	0
Objective sampling Cheeses made from cover milk - hard - made from pasturised milk - Processing plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling of Coolere of Cool					Gram	N_A	804	1	<= 100	Listeria monocytogenes	1	0
Netherlands-food sample Surveillance - Dated on Regulation 2073 - Official sampling - Objective sampling Closesses made from cower milk - hard - made from pasteurised milk - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling Closesses made from cower milk - hard - made from pasteurised milk - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling Closesses made from cower milk - hard - made from row or low heat-treated milk - Flarm - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling Displace - based on Regulation 2073 - Official sampling - Objective sampling Displace - based on Regulation 2073 - Official sampling - Objective sampling Displace - based on Regulation 2073 - Official sampling - Objective sampling Displace - based on Regulation 2073 - Official sampling - Objective sampling Displace - based on Regulation 2073 - Official sampling - Objective sampling Displace - based on Regulation 2073 - Official sampling - Objective sampling Displace - based on Regulation 2073 - Official sampling - Objective sampling Displace - based on Regulation 2073 - Official sampling - Objective sampling Displace - based on Regulation 2073 - Official sampling - Objective sampling Displace - based on Regulation 2073 - Official sampling - Objective sampling Displace - based on Regulation 2073 - Official sampling - Objective sampling Displace - based on Regulation 2073 - Official sampling - Objective sampling Displace - based on Regulation 2073 - Official sampling - Objective sampling Displace - Date -									>100	Listeria monocytogenes	1	0
Cheeses made from covery milk hard - made from pasturised milk Permanents - Note Sample - Surveillance - Official sampling - Objective sampling Ob		Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling -	(food/fee	25	Gram	N_A	804	1	detection	Listeria monocytogenes	804	1
Cheeses made from cows* milk - hard - made from pasturised milk - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling Debth (foodfee of Debethe sampling Cheeses made from cows* milk - hard - made from raw or low heat-treated milk - Farm - Netherlands - food sample - Surveillance -				10	Gram	objective sampling by COKZ for export certification	1457	2	<= 100	Listeria monocytogenes	1	0
Cheeses made from cover milk - start made from passer miss of milk - start made from passer miss of monocytogenes ampling Cheeses made from cover milk - start made from passer miss of monocytogenes Cheeses made from cover milk - start made from passer milk - Processing plant - Netherlands - Sood sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling Cheeses made from cover milk - start made from passer milk - Processing plant - Netherlands - Sood sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling Cheeses made from cover milk - start made from passer milk - Processing plant - Netherlands - Sood sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling Cheeses made from cover milk - start made from passer milk - Processing plant - Netherlands - Sood sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling Cheeses made from cover milk - start made from passer milk - Processing plant - Netherlands - Sood sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling Cheeses made from cover milk - start made from passer milk - Processing plant - Netherlands - Sood sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling Cheeses made from cover milk - soot and semi-soft - made from raw or tow heal-treated milk - Farm - Netherlands - Soot sample - Surveillance - Official sampling - Objective sampling Cheeses made from cover milk - soot and semi-soft - made from raw or tow heal-treated milk - Farm - Netherlands - Soot sample - Surveillance - Official sampling - Objective sampling Cheeses made from cover milk - soot and semi-soft - made from raw or low heal-treated milk - Farm - Netherlands - Soot sample - Surveillance - Official sampling - Objective sampling Cheeses made from cover milk - soot and semi-soft - made from raw or low heal-treated milk - Farm - Netherlands - Soot sample - Surveillance - O		Netnerlands - 100d sample - Surveillance - Official sampling - Objective sampling							>100	Listeria monocytogenes	1	0
Cheeses made from covs milk - hard - made from raw or low heat-treated milk - Farm - Netherlands - Surveillance - based on Regulation 2073 - Official sampling - Objective sampli			(food/fee	25	Gram	objective sampling by COKZ for export certification	1457	2	detection	Listeria monocytogenes	1,457	2
Objective sampling			batch	10	Gram	N_A	458	9	<= 100	Listeria monocytogenes	10	4
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 - Official sampling - Objective sampling - Objective sampling - Official sampling - Objective sampling -		Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling							>100	Listeria monocytogenes	10	0
plant - Netherlands - Food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Formation - Not sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling Cheeses made from cows' milk - soft and semi-soft - made from pasteurised milk - Foroessing plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Foroessing sampling - Objective sampling Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Foroessing sampling - Objective sampling Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Batch 25 Gram N_A 33 0 detection Listeria monocytogenes Groudfee Ground Groun		Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling -	batch (food/fee	25	Gram	N_A	458	9	detection	Listeria monocytogenes	458	9
Sampling - Objective sampling 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 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 Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Farm - Netherlands - food sample - Surveillance - Official sampling - Objective sampling Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Farm - Netherlands - food sample - Surveillance - Discover sampling Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Farm - Netherlands - food sample - Surveillance - Discover sampling Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Processing plant - Netherlands - food sample - Surveillance - Discover sampling Cheeses made from unspecified milk or other animal milk - spreadable - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling Cheeses, made from unspecified milk or other animal milk - spreadable - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling Cheeses, made from unspecified milk or other animal milk - spreadable - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling Cheeses, made from unspecified milk or other animal milk - spreadable - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling Cheeses, made from uns				25	Gram	N_A	112	3	<= 100	Listeria monocytogenes	112	3
Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling Grows in the soft and semi-soft - made from pasteurised milk - Processing plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling - O									>100	Listeria monocytogenes	112	0
plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampli		Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling -	(food/fee	25	Gram	N_A	29	0	detection	Listeria monocytogenes	29	0
Farm - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling objective sampling - Objective sampling		plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official	(food/fee	25	Gram	N_A	67	0	detection	Listeria monocytogenes	67	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 Cheeses made from goats' milk - unspecified - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling Cheeses, made from unspecified milk or other animal milk - fresh - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling Cheeses, made from unspecified milk or other animal milk - spreadable - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling Cheeses, made from unspecified milk or other animal milk - spreadable - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling Cheeses, made from unspecified milk or other animal milk - spreadable - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling Crustaceans - shrimps - cooked - Retail - Not Available - food sample - Monitoring - Official sampling - Objective sampling Crustaceans - shrimps - cooked - Retail - Not Available - food sample - Monitoring - Official sampling - Objective sampling		Farm - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official	(food/fee	25	Gram	N_A	33	0	detection	Listeria monocytogenes	33	0
Processing plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - (food/fee Official sampling - Objective sampli		Cheeses made from cows' milk - soft and semi-soft - made from raw or low heat-treated milk - Farm - Netherlands - food sample - Surveillance - Official sampling - Objective sampling	(food/fee		Gram	objective sampling by COKZ for export certification	9	0	detection	Listeria monocytogenes	9	0
Surveillance - Official sampling - Objective sampling		Processing plant - Netherlands - food sample - Surveillance - based on Regulation 2073 -	(food/fee	25	Gram	N_A	15	0	detection	Listeria monocytogenes	15	0
Cheeses, made from unspecified milk or other animal milk - fresh - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling			(food/fee	10	Gram	N_A	100	0	detection	Listeria monocytogenes	100	0
Netherlands - food sample - Surveillance - Official sampling - Objective			(food/fee		Gram		3	0	detection	Listeria monocytogenes	3	0
sampling - Objective sampling (food/fee			(food/fee		Gram	objective sampling by COKZ for export certification	94	0	detection	Listeria monocytogenes	94	0
				25	Gram	N_A	133	3	<= 100	Listeria monocytogenes	133	0
		sampling - Objective sampling							>100	Listeria monocytogenes	133	0

ampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Sampling Details	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of unit positive
lable	Crustaceans - shrimps - cooked - Retail - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	133	3	detection	Listeria monocytogenes	133	3
	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	N_A	88	0	detection	Listeria monocytogenes	88	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	N_A	17	0	detection	Listeria monocytogenes	17	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	N_A	23	0	detection	Listeria monocytogenes	23	0
	Dairy products (excluding cheeses) - butter - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	objective sampling by COKZ for export certification		0	detection	Listeria monocytogenes	34	0
	Dairy products (excluding cheeses) - cream - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	objective sampling by COKZ for export certification		0	detection	Listeria monocytogenes	22	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	N_A	108	0	detection	Listeria monocytogenes	108	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	N_A	333	0	detection	Listeria monocytogenes	333	0
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Farm - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling -	batch (food/fee	10	Gram	N_A	269	1	<= 100	Listeria monocytogenes	1	1
	Objective sampling	d)						>100	Listeria monocytogenes	1	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	N_A	269	1	detection	Listeria monocytogenes	269	1
	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	N_A	26	0	detection	Listeria monocytogenes	26	(
	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	objective sampling by COKZ for export certification	16	0	detection	Listeria monocytogenes	16	0
	Fish - Fishery products from fish species associated with a high amount of histidine - which	single	25	Gram	N_A	121	6	<= 100	Listeria monocytogenes	121	6
	have undergone enzyme maturation treatment in brine - Retail - Not Available - food sample - Monitoring - Official sampling - Objective sampling	(food/fee d)						>100	Listeria monocytogenes	121	C
	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 - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	121	6	detection	Listeria monocytogenes	121	6
	Fish - smoked - Retail - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/fee	25	Gram	N_A	675	30	<= 100	Listeria monocytogenes	675	29
	Objective Sampling	d)						>100	Listeria monocytogenes	675	1
	Fish - smoked - Retail - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	675	30	detection	Listeria monocytogenes	675	30
	Fruits and vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample -	single	25	Gram	N_A	291	0	<= 100	Listeria monocytogenes	291	(
	Monitoring - Official sampling - Objective sampling	(food/fee d)						>100	Listeria monocytogenes	291	(
	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	30x 25g	49	0	detection	Listeria monocytogenes	49	(
	Infant formula - dried - Processing plant - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	30x 25g	35	0	detection	Listeria monocytogenes	35	C
	Meat from bovine animals - fresh - Conservation facilities - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	n=5	20	5	detection	Listeria monocytogenes	20	Ę
	Meat from bovine animals - fresh - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	312	28	detection	Listeria monocytogenes	312	28
	Meat from bovine animals - meat preparation - intended to be eaten raw - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee	25	Gram	N_A	316	18	<= 100	Listeria monocytogenes	316	18
		d)						>100	Listeria monocytogenes	316	(
	Meat from bovine animals - meat preparation - intended to be eaten raw - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	316	18	detection	Listeria monocytogenes	316	18
	Meat from broilers (Gallus gallus) - fresh - chilled - Processing plant - Not Available - food	single	25	Gram	n=5	21	7	<= 100	Listeria monocytogenes	21	7
	sample - meat - Monitoring - Official sampling - Objective sampling	(food/fee d)						>100	Listeria monocytogenes	21	(

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit		Sample weight unit	Sampling Details	Total units tested	Total units positive	Method	Zoonoses	N of units tested	N of units positive
Not Available	Meat from broilers (Gallus gallus) - fresh - chilled - Processing plant - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	n=5	21	7	detection	Listeria monocytogenes	21	7
	Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Not Available - food sample - meat	single	25	Gram	N_A	295	51	<= 100	Listeria monocytogenes	295	51
	- Monitoring - Official sampling - Objective sampling	(food/fee d)						>100	Listeria monocytogenes	295	0
	Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	295	51	detection	Listeria monocytogenes	295	51
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - frozen -	single	25	Gram	n=5	75	1	<= 100	Listeria monocytogenes	75	1
	Border inspection activities - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	(food/fee d)						>100	Listeria monocytogenes	75	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - frozen - Border inspection activities - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	n=5	75	1	detection	Listeria monocytogenes	75	1
	Meat from other animal species or not specified - fresh - frozen - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	44	5	detection	Listeria monocytogenes	44	5
	Meat from turkey - fresh - chilled - Retail - Not Available - food sample - meat - Monitoring -	single	25	Gram	N_A	22	2	<= 100	Listeria monocytogenes	22	2
	Official sampling - Objective sampling	(food/fee d)						>100	Listeria monocytogenes	22	0
	Meat from turkey - fresh - chilled - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	22	2	detection	Listeria monocytogenes	22	2
	Milk from other animal species or unspecified - raw milk - intended for direct human	batch	25	Gram	milk from horses	41	1	<= 100	Listeria monocytogenes	1	1
	consumption - Farm - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	(food/fee d)						>100	Listeria monocytogenes	1	0
	Milk from other animal species or unspecified - raw milk - intended for direct human	batch	25	Gram	milk from camels	4	0	detection	Listeria monocytogenes	4	0
	consumption - Farm - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	(food/fee d)			milk from donkeys	3	0	detection	Listeria monocytogenes	3	0
		,			milk from horses	41	1	detection	Listeria monocytogenes	41	1
	Milk, cows' - raw milk - Farm - Netherlands - food sample - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	N_A	124	0	detection	Listeria monocytogenes	124	0
	Milk, cows' - raw milk - intended for direct human consumption - Farm - Not Available - food	single	25	Gram	N_A	100	1	<= 100	Listeria monocytogenes	100	1
	sample - Monitoring - Official sampling - Objective sampling	(food/fee d)						>100	Listeria monocytogenes	100	0
	Milk, cows' - raw milk - intended for direct human consumption - Farm - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	100	1	detection	Listeria monocytogenes	100	1
	Other processed food products and prepared dishes - Processing plant - Not Available - food	single	25	Gram	n=5	17	0	<= 100	Listeria monocytogenes	17	0
	sample - Monitoring - Official sampling - Objective sampling	(food/fee d)						>100	Listeria monocytogenes	17	0
	Other processed food products and prepared dishes - Processing plant - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	n=5	17	0	detection	Listeria monocytogenes	17	0
	Vegetables - pre-cut - non-ready-to-eat - Retail - Not Available - food sample - Monitoring -	single	25	Gram	N_A	302	0	<= 100	Listeria monocytogenes	302	0
	Official sampling - Objective sampling	(food/fee d)						>100	Listeria monocytogenes	302	0
	Vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Monitoring - Official	single	25	Gram	N_A	1184	0	<= 100	Listeria monocytogenes	1.184	0
	sampling - Objective sampling	(food/fee d)						>100	Listeria monocytogenes	1.184	0
-	Vegetables - products - dried - Retail - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	23	0	detection	Listeria monocytogenes	23	0

Table Lyssavirus:LYSSAVIRUS in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling Details	Method	Sampling unit		units	Zoonoses	N of units positive
Area or Jamping	Strategy	Jamping Details	Wethou	unit	testeu	positive	200110363	positive
Not Available	Bats - wild - Natural habitat - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	N_A	Not Available	animal	18	2	European bat lyssavirus 1	2
	Cats - Veterinary clinics - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	N_A	Not Available	animal	4	0	Lyssavirus	0
	Dogs - Veterinary clinics - Not Available - Not Available - Clinical investigations - Official sampling - Suspect sampling	N_A	Not Available	animal	6	0	Lyssavirus	0

Table Mycobacterium: MYCOBACTERIUM in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling Details	Method	Sampling unit	units	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	N_A	Not Available	animal	2307	0	Mycobacterium	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit		Sampling Details	Method	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	animal	N_A	N_A	Not Available	22	1	Salmonella group B	1
	Cats - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect	animal	N_A	N_A	Not Available	204	2	Salmonella group B	1
	sampling							Salmonella group D	11
	Cattle (bovine animals) - calves (under 1 year) - Farm - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	animal	N_A	N_A	Not Available	22	1	Salmonella group D	1
	Cattle (bovine animals) - Farm - Not Available - Not Available - Clinical investigations - Not applicable -	animal	N_A	Pathology	Not Available	2414	191	Salmonella Dublin	52
	Suspect sampling							Salmonella spp., unspecified	80
								Salmonella Typhimurium	59
	Cattle (bovine animals) - Farm - Not Available - Not Available - Control and eradication programmes - Not	animal	N_A	Faeces	Not Available	8623	654	Salmonella Dublin	65
	applicable - Selective sampling							Salmonella spp., unspecified	440
								Salmonella Typhimurium	149
	Dogs - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect	animal	N_A	N_A	Not Available	408	10	Salmonella group B	5
	sampling							Salmonella group C	2
								Salmonella group D	2
								Salmonella group G	1
	Fish - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	animal	N_A	N_A	Not Available	39	1	Salmonella	1
	Gallus gallus (fowl) - breeding flocks, unspecified - adult - Farm - Not Available - environmental sample -	herd/floc	Υ	N_A	Not Available	1302	10	Salmonella Agona	3
	boot swabs - Control and eradication programmes - Official and industry sampling - Census	k						Salmonella Dublin	1
								Salmonella Mbandaka	1
								Salmonella spp., unspecified	5
	Gallus gallus (fowl) - broilers - before slaughter - Farm - Not Available - environmental sample - boot swabs -	herd/floc	Υ	N_A	Not Available	16927	1228	Salmonella Agona	8
	Control and eradication programmes - Official and industry sampling - Census	k						Salmonella Derby	2
								Salmonella Dublin	2
								Salmonella Enteritidis	1
								Salmonella Goldcoast	5
								Salmonella group C	12
								Salmonella Hadar	6
								Salmonella Indiana	5
								Salmonella Infantis	493
								Salmonella Kedougou	2
								Salmonella Kottbus	1
								Salmonella Livingstone	66
								Salmonella Mbandaka	24
								Salmonella Montevideo	2
								Salmonella Newport	1
								Salmonella Ohio	8
								Salmonella Panama	1
								Salmonella Paratyphi B	387
								Salmonella Rissen	6
								Salmonella Sandiego	3
								Salmonella Senftenberg	3
								Salmonella spp., unspecified	156
								Salmonella Tennessee	1
								Salmonella Typhimurium	17
								Salmonella Umbilo	1
								Salmonella Virchow	14
								Salmonella Yoruba	1
	Gallus gallus (fowl) - laying hens - adult - Farm - Not Available - environmental sample - boot swabs -	herd/floc	Υ	N_A	Not Available	2812	76	Salmonella Agona	2
	Control and eradication programmes - Official and industry sampling - Census	k	1		140t Available	2012	70	Salmonella Braenderup	2
								Salmonella Dublin	1
								Salmonella Enteritidis	18
								Salmonella group C	16
								Salmonella group G	5
									ე
								Salmonella Hadar	2
								Salmonella Infantis	
								Salmonella Livingstone	2

rea of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	N of flocks under control programme		Sampling Details	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 -	herd/floc		Υ	N_A	Not Available	2812	76	Salmonella Mbandaka	3
	Control and eradication programmes - Official and industry sampling - Census	К							Salmonella Senftenberg	1
									Salmonella spp., unspecified	34
									Salmonella Tennessee	1
									Salmonella Thompson	1
									Salmonella Typhimurium	1
									Salmonella Virchow	1
	Goats - Farm - Netherlands - Not Available - Clinical investigations - HACCP and own check - Not specified	animal		N_A	Pathology	Not Available	382	7	Salmonella spp., unspecified	7
	Lion - zoo animals - Zoo - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	animal		N_A	N_A	Not Available	3	1	Salmonella group B	1
	Monkeys - zoo animal - Zoo - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	animal		N_A	N_A	Not Available	1	1	Salmonella group D	1
	Pigeons - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	animal		N_A	N_A	Not Available	22	3	Salmonella group B	3
	Pigs - fattening pigs - Farm - Not Available - Not Available - Monitoring - active - Industry sampling - Not specified	animal		N_A	N_A	Not Available	2307	24	Salmonella spp., unspecified	24
	Pigs - fattening pigs - Slaughterhouse - Not Available - Not Available - Monitoring - active - Industry sampling - Not specified	slaughter animal batch		N_A	N_A	Not Available	71006	37796	Salmonella spp., unspecified	37,796
	Reptiles - farmed - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	animal		N_A	N_A	Not Available	15	4	Salmonella	4
	Sheep - Farm - Netherlands - Not Available - Clinical investigations - HACCP and own check - Not specified	animal		N_A	Pathology	Not Available	406	0	Salmonella	0
	Solipeds, domestic - horses - Farm - Not Available - Not Available - Clinical investigations - Not applicable -	animal		N_A	N_A	Not Available	269	12	Salmonella group B	11
	Suspect sampling								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/floc k		Y	N_A	Not Available	412	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	Sampling Details	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 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	objective sampling by COKZ for export certification	Detection method of microorganism s	19	0	Salmonella	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Farm - Netherlands - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	objective sampling by COKZ for export certification	Detection method of microorganism s	4	0	Salmonella	0
	Cheeses made from cows' milk - hard - made from pasteurised milk - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	objective sampling by COKZ for export certification	Detection method of microorganism s	738	1	Salmonella	1
	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	N_A	Detection method of microorganism s	458	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	N_A	Detection method of microorganism s	130	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	N_A	Detection method of microorganism	33	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 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	objective sampling by COKZ for export certification	Detection method of microorganism s	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	N_A	Detection method of microorganism s	15	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - fresh - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	objective sampling by COKZ for export certification	Detection method of microorganism s	3	0	Salmonella	0
	Cheeses, made from unspecified milk or other animal milk - spreadable - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	objective sampling by COKZ for export certification	Detection method of microorganism s	96	1	Salmonella	1
	Crustaceans - shrimps - cooked - Processing plant - Not Available - food sample - Monitoring - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	N_A	ISO 6579:2002/Am d 1:2007	13	0	Salmonella	0
	Crustaceans - shrimps - cooked - Retail - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	ISO 6579:2002/Am d 1:2007	122	0	Salmonella	0
	Crustaceans - shrimps - raw - frozen - Border inspection activities - Vietnam - food sample - Monitoring - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	N_A	ISO 6579:2002/Am d 1:2007	92	6	Salmonella Chailey Salmonella Thompson Salmonella Weltevreden	2 1 3
	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	N_A	Detection method of microorganism s	17	0	Salmonella	0
	Dairy products (excluding cheeses) - butter - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	objective sampling by COKZ for export certification	Detection method of microorganism s	35	0	Salmonella	0
	Dairy products (excluding cheeses) - cream - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	objective sampling by COKZ for export certification	Detection method of microorganism s	22	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	N_A	Detection method of microorganism s	268	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	N_A	Detection method of microorganism s	26	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Sampling Details	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Dairy products (excluding cheeses) - ice-cream - made from pasteurised milk - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	objective sampling by COKZ for export certification	Detection method of microorganism s	16	0	Salmonella	0
	Dairy products (excluding cheeses) - milk powder and whey powder - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	objective sampling by COKZ for export certification	Detection method of microorganism s	423	0	Salmonella	0
	Fish (food) - Border inspection activities - Vietnam - food sample - Monitoring - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	N_A	ISO 6579:2002/Am d 1:2007	189	2	Salmonella Typhimurium, monophasic Salmonella Weltevreden	1
	Foodstuffs intended for special nutritional uses - dietary foods for special medical purposes - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	objective sampling by COKZ for export certification	Detection method of microorganism s	19	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 - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	objective sampling by COKZ for export certification	Detection method of microorganism s	37	0	Salmonella	0
	Fruits and vegetables - pre-cut - ready-to-eat - Retail - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	ISO 6579:2002/Am d 1:2007	1465	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	10x 25g	Detection method of microorganism s	94	0	Salmonella	0
	Infant formula - dried - intended for infants below 6 months - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	objective sampling by COKZ for export certification	Detection method of microorganism s	23	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	10x 25g	Detection method of microorganism s	66	0	Salmonella	0
	Infant formula - dried - Processing plant - Netherlands - food sample - Surveillance - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	objective sampling by COKZ for export certification	Detection method of microorganism s	12	0	Salmonella	0
	Live bivalve molluscs - mussels - Retail - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/fee	25	Gram	N_A	ISO 6579:2002/Am	69	1	Salmonella Salmonella Enterica,	1
	Live bivalve molluscs - oysters - Processing plant - Not Available - food	d) batch	25	Gram	N_A	d 1:2007	36	0	unspecified Salmonella	0
	sample - Monitoring - Official sampling - Objective sampling	(food/fee d)				6579:2002/Am d 1:2007				
	Live bivalve molluscs - oysters - Retail - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	ISO 6579:2002/Am d 1:2007	23	0	Salmonella	0
	Live bivalve molluscs - unspecified - Processing plant - Not Available - food sample - Monitoring - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	N_A	ISO 6579:2002/Am d 1:2007	95	0	Salmonella	0
	Meat from bovine animals - carcase - Slaughterhouse - Not Available - food sample - carcase swabs - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	slaughte r animal batch	400	Square centimetre	N_A	ISO 6579:2002/Am d 1:2007	142	2	Salmonella Enterica, unspecified	2
	Meat from bovine animals - fresh - Processing plant - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	n=5	ISO 6579:2002/Am d 1:2007	19	0	Salmonella	0
	Meat from bovine animals - fresh - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	ISO 6579:2002/Am d 1:2007	552	2	Salmonella	2
	Meat from bovine animals - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	10	Gram	N_A	ISO 6579:2002/Am d 1:2007	160	1	Salmonella Typhimurium, monophasic	1
	Meat from bovine animals - meat preparation - intended to be eaten raw - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	ISO 6579:2002/Am d 1:2007	313	1	Salmonella Typhimurium	1
	Meat from bovine animals and pig - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	10	Gram	N_A	ISO 6579:2002/Am d 1:2007	3	0	Salmonella	0
	Meat from broilers (Gallus gallus) - carcase - chilled - Slaughterhouse - Not Available - food sample - neck skin - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling	slaughte r animal batch	25	Gram	N_A	ISO 6579:2002/Am d 1:2007	273	38	Salmonella Agona Salmonella Heidelberg Salmonella Infantis	3 1 17

Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Sampling Details	Method	Total units tested	Total units positive	Zoonoses	N of unit
ilable	Meat from broilers (Gallus gallus) - carcase - chilled - Slaughterhouse -	slaughte	25	Gram	N_A	ISO	273	38	Salmonella Newport	1
	Not Available - food sample - neck skin - Surveillance - based on	r animal				6579:2002/Am			Salmonella Paratyphi	14
	Regulation 2073 - Official sampling - Objective sampling	batch				d 1:2007			Salmonella Typhimurium	2
	Meat from broilers (Gallus gallus) - carcase - spent hens - Slaughterhouse	slaughte	100	Square	N_A	Not Available	4322	340	Salmonella Agona	20
	- Not Available - food sample - carcase swabs - Surveillance - Industry	r animal		centimetre			.022	0.0	Salmonella Indiana	15
	sampling - Objective sampling	batch							Salmonella Infantis	144
									Salmonella Mbandaka	2
									Salmonella Paratyphi	102
									Salmonella spp., unspecified	32
									Salmonella Typhimurium	6
									Salmonella Typhimurium, monophasic	17
									Salmonella Virchow	2
	Meat from broilers (Gallus gallus) - carcase - spent hens - Slaughterhouse	slaughte	100	Square	N_A	Not Available	273	38	Salmonella spp., unspecified	38
	Net Available - food sample - carcase swabs - Surveillance - Official sampling - Objective sampling	r animal batch	100	centimetre	-	Not Available	213	36	Заппонена эрр., инэреспіец	30
	Meat from broilers (Gallus gallus) - fresh - chilled - Processing plant - Not Available - food sample - meat - Monitoring - Official sampling - Objective	batch (food/fee	25	Gram	n=5	ISO 6579:2002/Am	19	3	Salmonella Infantis	1
	sampling	d)				d 1:2007			Salmonella Paratyphi	2
	Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Not Available -	single	25	Gram	N_A	ISO	294	9	Salmonella Agona	1
	food sample - meat - Monitoring - Official sampling - Objective sampling	(food/fee	20	Oram		6579:2002/Am	204	J	Salmonella Heidelberg	1
	rood sample meat monitoring official sampling objective sampling	d)				d 1:2007				
									Salmonella Infantis	7
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - frozen - Border inspection activities - Not Available - food sample - Monitoring - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	n=5	ISO 6579:2002/Am d 1:2007	75	0	Salmonella	0
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Processing plant - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	n=5	ISO 6579:2002/Am d 1:2007	10	2	Salmonella Infantis	2
	Meat from broilers (Gallus gallus) - meat preparation - intended to be single 25 Gram N_A ISO	299	9	Salmonella Infantis	6					
	Meat from broilers (Gallus gallus) - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling d 1:2007	(food/fee								
				Salmonella Paratyphi	3					
	Meat from goat - fresh - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	ISO 6579:2002/Am d 1:2007	4	0	Salmonella	0
	Meat from other animal species or not specified - fresh - frozen - Wholesale - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	Exotisch Vlees	ISO 6579:2002/Am d 1:2007	31	0	Salmonella	0
					Kikker	ISO 6579:2002/Am d 1:2007	4	1	Salmonella Wandsworth	1
					Krokodil	ISO	6	3	Salmonella Brancaster	1
					Ta Groun	6579:2002/Am d 1:2007	-	-	Salmonella Enterica, unspecified	1
									Salmonella Infantis	1
	Meat from pig - carcase - Slaughterhouse - Not Available - food sample -	single	100	Square centimetre	N_A	Not Available	5501	189	Salmonella spp., unspecified	189
	carcase swabs - Surveillance - based on Regulation 2073 - Industry	(food/fee								
	carcase swabs - Surveillance - based on Regulation 2073 - Industry sampling - Objective sampling	d)								
	carcase swabs - Surveillance - based on Regulation 2073 - Industry sampling - Objective sampling Meat from pig - carcase - Slaughterhouse - Not Available - food sample -	d) slaughte	400	Square	N_A	ISO	440	30	Salmonella Bovismorbificans	1
	carcase swabs - Surveillance - based on Regulation 2073 - Industry sampling - Objective sampling Meat from pig - carcase - Slaughterhouse - Not Available - food sample - carcase swabs - Surveillance - based on Regulation 2073 - Official	d) slaughte r animal	400	Square centimetre	N_A	6579:2002/Am	440	30	Salmonella Bovismorbificans Salmonella Brandenburg	1 4
	carcase swabs - Surveillance - based on Regulation 2073 - Industry sampling - Objective sampling Meat from pig - carcase - Slaughterhouse - Not Available - food sample -	d) slaughte	400		N_A		440	30	Salmonella Brandenburg	
	carcase swabs - Surveillance - based on Regulation 2073 - Industry sampling - Objective sampling Meat from pig - carcase - Slaughterhouse - Not Available - food sample - carcase swabs - Surveillance - based on Regulation 2073 - Official	d) slaughte r animal	400		N_A	6579:2002/Am	440	30	Salmonella Brandenburg Salmonella Bredeney	4
	carcase swabs - Surveillance - based on Regulation 2073 - Industry sampling - Objective sampling Meat from pig - carcase - Slaughterhouse - Not Available - food sample - carcase swabs - Surveillance - based on Regulation 2073 - Official	d) slaughte r animal	400		N_A	6579:2002/Am	440	30	Salmonella Brandenburg Salmonella Bredeney Salmonella Derby	4 1 9
	carcase swabs - Surveillance - based on Regulation 2073 - Industry sampling - Objective sampling Meat from pig - carcase - Slaughterhouse - Not Available - food sample - carcase swabs - Surveillance - based on Regulation 2073 - Official	d) slaughte r animal	400		N_A	6579:2002/Am	440	30	Salmonella Brandenburg Salmonella Bredeney Salmonella Derby Salmonella Goldcoast	4 1 9 3
	carcase swabs - Surveillance - based on Regulation 2073 - Industry sampling - Objective sampling Meat from pig - carcase - Slaughterhouse - Not Available - food sample - carcase swabs - Surveillance - based on Regulation 2073 - Official	d) slaughte r animal	400		N_A	6579:2002/Am	440	30	Salmonella Brandenburg Salmonella Bredeney Salmonella Derby Salmonella Goldcoast Salmonella Livingstone	4 1 9 3 1
	carcase swabs - Surveillance - based on Regulation 2073 - Industry sampling - Objective sampling Meat from pig - carcase - Slaughterhouse - Not Available - food sample - carcase swabs - Surveillance - based on Regulation 2073 - Official	d) slaughte r animal	400		N_A	6579:2002/Am	440	30	Salmonella Brandenburg Salmonella Bredeney Salmonella Derby Salmonella Goldcoast Salmonella Livingstone Salmonella London	4 1 9 3
	carcase swabs - Surveillance - based on Regulation 2073 - Industry sampling - Objective sampling Meat from pig - carcase - Slaughterhouse - Not Available - food sample - carcase swabs - Surveillance - based on Regulation 2073 - Official	d) slaughte r animal	400		N_A	6579:2002/Am	440	30	Salmonella Brandenburg Salmonella Bredeney Salmonella Derby Salmonella Goldcoast Salmonella Livingstone	4 1 9 3 1
	carcase swabs - Surveillance - based on Regulation 2073 - Industry sampling - Objective sampling Meat from pig - carcase - Slaughterhouse - Not Available - food sample - carcase swabs - Surveillance - based on Regulation 2073 - Official	d) slaughte r animal	400		N.A	6579:2002/Am	440	30	Salmonella Brandenburg Salmonella Bredeney Salmonella Derby Salmonella Goldcoast Salmonella Livingstone Salmonella London	4 1 9 3 1
	carcase swabs - Surveillance - based on Regulation 2073 - Industry sampling - Objective sampling Meat from pig - carcase - Slaughterhouse - Not Available - food sample - carcase swabs - Surveillance - based on Regulation 2073 - Official	d) slaughte r animal	400		N_A	6579:2002/Am	440	30	Salmonella Brandenburg Salmonella Bredeney Salmonella Derby Salmonella Goldcoast Salmonella Livingstone Salmonella London Salmonella Rissen Salmonella Typhimurium Salmonella Typhimurium,	4 1 9 3 1 1
	carcase swabs - Surveillance - based on Regulation 2073 - Industry sampling - Objective sampling Meat from pig - carcase - Slaughterhouse - Not Available - food sample - carcase swabs - Surveillance - based on Regulation 2073 - Official	d) slaughte r animal	400		N_A	6579:2002/Am	440 378	30	Salmonella Brandenburg Salmonella Bredeney Salmonella Derby Salmonella Goldcoast Salmonella Livingstone Salmonella London Salmonella Rissen Salmonella Typhimurium	4 1 9 3 1 1 1 5
	carcase swabs - Surveillance - based on Regulation 2073 - Industry sampling - Objective sampling Meat from pig - carcase - Slaughterhouse - Not Available - food sample - carcase swabs - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling Meat from pig - carcase - Slaughterhouse - Not Available - food sample - carcase swabs - Surveillance - based on Regulation 2073 - Official, based on Regulation 854/2004 - Objective sampling	d) slaughte r animal batch single (food/fee d)	400	centimetre		6579:2002/Am d 1:2007	378		Salmonella Brandenburg Salmonella Bredeney Salmonella Derby Salmonella Goldcoast Salmonella Livingstone Salmonella London Salmonella Rissen Salmonella Typhimurium Salmonella Typhimurium, monophasic Salmonella spp., unspecified	4 1 9 3 1 1 1 5 4
	carcase swabs - Surveillance - based on Regulation 2073 - Industry sampling - Objective sampling Meat from pig - carcase - Slaughterhouse - Not Available - food sample - carcase swabs - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling Meat from pig - carcase - Slaughterhouse - Not Available - food sample - carcase swabs - Surveillance - based on Regulation 2073 - Official, based on Regulation 854/2004 - Objective sampling Meat from pig - fresh - Retail - Not Available - food sample - meat -	slaughte r animal batch		Square centimetre	N.A	6579:2002/Am d 1:2007 Not Available		29	Salmonella Brandenburg Salmonella Bredeney Salmonella Derby Salmonella Goldcoast Salmonella Livingstone Salmonella London Salmonella Rissen Salmonella Typhimurium Salmonella Typhimurium, monophasic Salmonella spp., unspecified Salmonella Derby	4 1 9 3 1 1 1 5 4 29
	carcase swabs - Surveillance - based on Regulation 2073 - Industry sampling - Objective sampling Meat from pig - carcase - Slaughterhouse - Not Available - food sample - carcase swabs - Surveillance - based on Regulation 2073 - Official sampling - Objective sampling Meat from pig - carcase - Slaughterhouse - Not Available - food sample - carcase swabs - Surveillance - based on Regulation 2073 - Official, based on Regulation 854/2004 - Objective sampling	slaughte r animal batch single (food/fee d) single	400	Square centimetre	N.A	6579:2002/Am d 1:2007	378	29	Salmonella Brandenburg Salmonella Bredeney Salmonella Derby Salmonella Goldcoast Salmonella Livingstone Salmonella London Salmonella Rissen Salmonella Typhimurium Salmonella Typhimurium, monophasic Salmonella spp., unspecified	4 1 9 3 1 1 1 5 4

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Sampling Details	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Meat from pig - meat preparation - intended to be eaten cooked - Retail -	single (food/fee	10	Gram	N_A	ISO 6579:2002/Am	143	2	Salmonella Montevideo	1
	Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	d)				d 1:2007			Salmonella Rissen	1
	Meat from sheep - fresh - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	ISO 6579:2002/Am d 1:2007	272	1	Salmonella Infantis	1
	Meat from sheep - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	10	Gram	N_A	ISO 6579:2002/Am d 1:2007	1	0	Salmonella	0
	Meat from turkey - fresh - chilled - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	ISO 6579:2002/Am d 1:2007	21	0	Salmonella	0
	Meat from turkey - meat preparation - intended to be eaten cooked - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	ISO 6579:2002/Am d 1:2007	3	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)	10	Gram	N_A	Detection method of microorganism s	41	0	Salmonella	0
			25	Gram	milk from camels	Detection method of microorganism s	4	0	Salmonella	0
					milk from donkeys	Detection method of microorganism s	3	0	Salmonella	0
	Milk, cows' - raw milk - intended for direct human consumption - Retail - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	ISO 6579:2002/Am d 1:2007	100	0	Salmonella	0
	Seeds, dried - Wholesale - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	ISO 6579:2002/Am d 1:2007	299	0	Salmonella	0
	Spices and herbs - dried - Border inspection activities - Brazil - food sample - Monitoring - Official sampling - Objective sampling	batch (food/fee	25	Gram	n=5; black pepper	ISO 6579:2002/Am	16	2	Salmonella Braenderup	1
	sample - Monitoring - Official sampling - Objective sampling	d)				d 1:2007			Salmonella Poona	1
	Spices and herbs - dried - Border inspection activities - Madagascar - food sample - Monitoring - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	n=5; cinamon	ISO 6579:2002/Am d 1:2007	16	1	Salmonella Enteritidis	1
	Spices and herbs - dried - Wholesale - Not Available - food sample - Monitoring - Official sampling - Objective sampling	batch (food/fee	25	Gram	n=5	ISO 6579:2002/Am	61	3	Salmonella Enterica, unspecified	1
		d)				d 1:2007			Salmonella Paratyphi	1
									Salmonella Weltevreden	1
	Spices and herbs - fresh - Wholesale - Not Available - food sample - Monitoring - Official sampling - Objective sampling	batch (food/fee d)	25	Gram	n=5	ISO 6579:2002/Am d 1:2007	64	0	Salmonella	0
	Vegetables - products - dried - Retail - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	ISO 6579:2002/Am d 1:2007	19	0	Salmonella	0
	Vegetables - Retail - Not Available - food sample - Monitoring - Official sampling - Objective sampling	single (food/fee d)	25	Gram	N_A	ISO 6579:2002/Am d 1:2007	298	0	Salmonella	0

rea of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Samplinr - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Sampling Details	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Compound feedingstuffs for cattle - process control - Processing plant -	batch	25	Gram	N_A	Not Available	5988	20	Salmonella	9
	Not Available - Not Available - Monitoring - HACCP and own check -	(food/fee							Salmonella Agona	1
	Objective sampling	d)							Salmonella Not typeable	2
									Salmonella Rissen	1
									Salmonella Senftenberg	1
									Salmonella Tennessee	1
									Salmonella Typhimurium	5
	Compound feedingstuffs for horses - process control - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/fee d)	25	Gram	N_A	Not Available	76	0	Salmonella	0
	Compound feedingstuffs for pigs - process control - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/fee d)	25	Gram	N_A	Not Available	854	1	Salmonella	1
	Compound feedingstuffs for poultry (non specified) - process control - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/fee d)	25	Gram	N_A	Not Available	580	0	Salmonella	0
	Compound feedingstuffs for poultry, breeders - process control - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/fee d)	25	Gram	N_A	Not Available	57	0	Salmonella	0
	Compound feedingstuffs for poultry, broilers - process control - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/fee d)	25	Gram	N_A	Not Available	13	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/fee d)	25	Gram	N_A	Not Available	2886	0	Salmonella	0
	Compound feedingstuffs for rabbits - process control - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/fee d)	25	Gram	N_A	Not Available	1	0	Salmonella	0
	Compound feedingstuffs for sheep - process control - Processing plant -	batch	25	Gram	N_A	Not Available	1202	2	Salmonella	1
	Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	(food/fee d)							Salmonella Java	1
	Compound feedingstuffs for turkeys - process control - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/fee d)	25	Gram	N_A	Not Available	7	0	Salmonella	0
	Compound feedingstuffs, not specified - process control - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/fee d)	25	Gram	N_A	Not Available	497	1	Salmonella Havana	1
	Feed material of cereal grain origin - barley derived - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/fee d)	25	Gram	N_A	Not Available	50	0	Salmonella	0
	Feed material of cereal grain origin - maize derived - Processing plant -	batch	25	Gram	N_A	Not Available	475	10	Salmonella	4
	Not Available - Not Available - Monitoring - HACCP and own check -	(food/fee							Salmonella Cubana	1
	Objective sampling	d)							Salmonella Mbandaka	5
	Feed material of cereal grain origin - oat derived - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/fee d)	25	Gram	N_A	Not Available	57	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/fee d)	25	Gram	N_A	Not Available	47	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/fee d)	25	Gram	N_A	Not Available	193	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/fee d)	25	Gram	N_A	Not Available	20	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/fee d)	25	Gram	N_A	Not Available	94	1	Salmonella Typhimurium	1
	Feed material of land animal origin - bone meal - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/fee d)	25	Gram	N_A	Not Available	1	0	Salmonella	0

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Sampling Details	Method	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Feed material of land animal origin - dairy products - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/fee d)	25	Gram	N_A	Not Available	21	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/fee d)	25	Gram	N_A	Not Available	85	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/fee d)	25	Gram	N_A	Not Available	4	0	Salmonella	0
	Feed material of land animal origin - meat meal - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/fee d)	25	Gram	N_A	Not Available	15	0	Salmonella	0
	Feed material of land animal origin - protein meal - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/fee d)	25	Gram	N_A	Not Available	61	5	Salmonella Braenderup Salmonella Enteritidis	1 2 2
	Feed material of oil seed or fruit origin - linseed derived - Processing plant	batch	25	Gram	N_A	Not Available	24	2	Salmonella Senftenberg Salmonella	1
	Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	(food/fee d)	23	Grain		Not Available	24	2	Salmonella enterica	1
	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/fee d)	25	Gram	N_A	Not Available	20	0	Salmonella	0
	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/fee d)	25	Gram	N_A	Not Available	3	0	Salmonella	0
	Feed material of oil seed or fruit origin - rape seed derived - Processing	batch	25	Gram	N_A	Not Available	566	6	Salmonella Agona	1
	plant - Not Available - Not Available - Monitoring - HACCP and own check -	(food/fee d)							Salmonella Cubana	1
	Objective sampling	u)							Salmonella Idikan	2
									Salmonella Livingstone	11
									Salmonella Tennessee	1
	Feed material of oil seed or fruit origin - soya (bean) derived - Processing	batch (food/fee	25	Gram	N_A	Not Available	1250	9	Salmonella Anatum	1
	plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	d)							Salmonella Mbandaka	2
	Objective sampling	•							Salmonella Oranienburg	1
									Salmonella Ouakam	1
									Salmonella Senftenberg	2
									Salmonella Soerenga Salmonella Yoruba	•
	For discrete state of all and as footbastate assets as and desired	batch	25	Gram	N_A	Not Available	418	5	Salmonella	1
	Feed material of oil seed or fruit origin - sunflower seed derived - Processing plant - Not Available - Not Available - Monitoring - HACCP and	(food/fee	23	Giaili	=	NOT Available	410	3	Salmonella Meleagridis	1
	own check - Objective sampling	d)							Salmonella Rissen	1
									Salmonella Senftenberg	<u>.</u> 1
									Salmonella Typhimurium	1
	Other feed material - plants - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/fee d)	25	Gram	N_A	Not Available	3	0	Salmonella	0
	Other feed material - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/fee d)	25	Gram	N_A	Not Available	184	0	Salmonella	0
	Other feed material - straws - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/fee d)	25	Gram	N_A	Not Available	3	0	Salmonella	0
	Pet food - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/fee d)	25	Gram	N_A	Not Available	2	0	Salmonella	0
	Premixtures - process control - Processing plant - Not Available - Not Available - Monitoring - HACCP and own check - Objective sampling	batch (food/fee d)	25	Gram	N_A	Not Available	1626	0	Salmonella	0

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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 unit	Sampling Details	Method	Tested	s 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	N_A	Not Available	354	5	Methicillin resistant Staphylococcus aureus (MRSA)		5
	Dogs - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	animal	Not Available	N_A	Not Available	584	1	Methicillin resistant Staphylococcus aureus (MRSA)		1
	Solipeds, domestic - horses - Farm - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	animal	Not Available	N_A	Not Available	253	24	Methicillin resistant Staphylococcus aureus (MRSA)		24

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

Area of sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling unit	Sample weight	Sample weight unit	Sampling Details	Method	Total Units Tested Attribute	Total Units Positive Attribute	Zoonoses	СС	Spa type ML	Units positive
Not Available	Meat from bovine animals - fresh - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fe ed)	25	Gram	N_A	Detection method presence in x g	140	3	Methicillin resistant Staphylococcus aureus (MRSA)			3
	Meat from broilers (Gallus gallus) - fresh - chilled - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fe ed)	25	Gram	N_A	Detection method presence in x g	129	26	Methicillin resistant Staphylococcus aureus (MRSA)			26
	Meat from pig - fresh - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fe ed)	25	Gram	N_A	Detection method presence in x g	135	8	Methicillin resistant Staphylococcus aureus (MRSA)			8
	Meat from turkey - fresh - chilled - Retail - Not Available - food sample - meat - Monitoring - Official sampling - Objective sampling	single (food/fe ed)	25	Gram	N_A	Detection method presence in x g	3	3	Methicillin resistant Staphylococcus aureus (MRSA)			3

Table Toxoplasma:TOXOPLASMA in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling Details	Method	Sampling unit		Total units	Zoonoses	N of units positive
		N_A	Not Available			45		.
Not Available	Cats - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling		Not Available	animal	64	15	Toxoplasma spp., unspecified	15
	Dogs - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	N_A	Not Available	animal	222	79	Toxoplasma spp., unspecified	79
	Goats - Farm - Netherlands - Not Available - Clinical investigations - HACCP and own check - Not specified	Pathology	Not Available	animal	382	3	Toxoplasma spp., unspecified	3
	Sheep - Farm - Netherlands - Not Available - Clinical investigations - HACCP and own check - Not specified	Pathology	Not Available	animal	406	3	Toxoplasma spp., unspecified	3

Table Trichinella:TRICHINELLA in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling Details	Method	Sampling unit		Total units positive	Zoonoses	N of units positive
Not Available	Beavers - wild - Natural habitat - Not Available - Not Available - Surveillance - Not applicable - Not specified	N_A	Not Available	animal	7	0	Trichinella, unspecified sp.	0
	Pigs - fattening pigs - raised under controlled housing conditions - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	N_A	Not Available	animal	15782 576	0	Trichinella	0
	Solipeds, domestic - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	N_A	Not Available	animal	2453	0	Trichinella	0
	Wild boars - wild - Slaughterhouse - Not Available - animal sample - organ/tissue - Surveillance - Official sampling - Objective sampling	N_A	Not Available	animal	4572	0	Trichinella	0

Table Yersinia: YERSINIA in animal

Area of Sampling	Matrix - Sampling stage - Sampling origin - Sample type - Sampling context - Sampler - Sampling strategy	Sampling Details	Method	Sampling unit	Total units tested	Total units positive	Zoonoses	N of units positive
Not Available	Cattle (bovine animals) - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not	Milk	Not Available	animal	7081	0	Yersinia	0
	applicable - Suspect sampling	Pathology	Not Available	animal	2414	1	Yersinia pseudotuberculosis	1
	Goats - Farm - Netherlands - Not Available - Clinical investigations - HACCP and own check - Not specified	Pathology	Not Available	animal	382	0	Yersinia	0
	Hares - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	N_A	Not Available	animal	17	3	Yersinia pseudotuberculosis	3
	Monkeys - zoo animal - Veterinary clinics - Not Available - Not Available - Clinical investigations - Not applicable - Suspect sampling	N_A	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	N_A	Not Available	animal	8	5	Yersinia pseudotuberculosis	5
	Pigs - breeding animals - unspecified - piglets - Farm - Not Available - Not Available - Clinical investigations - HACCP and own check - Suspect sampling	N_A	Not Available	animal	2307	2	Yersinia, unspecified sp.	2
	Sheep - Farm - Netherlands - Not Available - Clinical investigations - HACCP and own check - Not specified	Pathology	Not Available	animal	406	2	Yersinia, unspecified sp.	2

FOODBORNE OUTBREAKS TABLES

Foodborne Outbreaks: summarized data

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

Strong Foodborne Outbreaks: detailed data

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

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Weak Foodborne Outbreaks: detailed data

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

ANTIMICROBIAL RESISTANCE TABLES FOR CAMPYLOBACTER

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

Sampling Stage: Retail Sampling Type: food sample - meat Sampling Context: Monitoring

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

Analytical Method:

Country of Origin: European Union

Sampling details:

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

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

Sampling Stage: Retail Sampling Type: food sample - meat Sampling Context: Monitoring

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

Analytical Method:

Country of Origin: European Union

Sampling details:

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

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

Sampling Stage: Processing plant

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: European Union

Sampling details:

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

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

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: European Union

Sampling details:

	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	13	13	13	13	13	13
MIC	N of resistant isolates	8	0	0	8	3	8
<=0.12		5		9			
0.25				4			
<=0.5							5
0.5						7	
<=1			11				
1						3	
2		1	2		1		
4		2			4		
8		3				1	
16		2				1	
>16						1	
64					6		1
>64		·	·		2	·	7

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: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: European Union

Sampling details:

	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	11	11	11	11	11	11
MIC	N of resistant isolates	9	2	0	9	2	9
<=0.12		2		5			
<=0.25						1	
0.25				5			
<=0.5							2
0.5				1		4	
<=1			7				
						4	
2			1		1		
4		4			1		
8		1	1				
_16		3				2	
>16		1					
64					4		1
>64					5		8
>128			2				

Table Antimicrobial susceptibility testing of Campylobacter coli 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

Sampling details:

	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	62	62	62	62	62	62
MIC	N of resistant isolates	48	3	0	48	3	43
<=0.12		9		3			
0.25		5		48			
<=0.5							13
0.5				11		2	
<=1			44				
1			10			44	4
2			10			13	2
4		15	5		6		
8		16			2		
16		13			2	3	
>16		4				<u> </u>	1
64 >64					48		42
>128			3		70		72
× 120			3				

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

Sampling Stage: Retail Sampling Type: food sample - meat Sampling Context: Monitoring

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

Analytical Method:

Country of Origin: European Union

Sampling details:

	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	1	1	1	1	1	1
MIC	N of resistant isolates	1	0	0	1	0	0
<=0.12				1			
<=0.5							1
0.5						1	
<=1			1				
4		1					
>64					1		

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

Sampling Stage: Retail Sampling Type: food sample - meat Sampling Context: Monitoring

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

Analytical Method:

Country of Origin: European Union

Sampling details:

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

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

Sampling Stage: Retail Sampling Type: food sample - meat Sampling Context: Monitoring

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

Analytical Method:

Country of Origin: European Union

Sampling details:

	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	1	1	1	1	1	1
MIC	N of resistant isolates	0	0	0	0	0	1
<=0.12		1		1			
0.5						1	
<=1			1				
4					1		
>64							1

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

Sampling Stage: Processing plant

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: European Union

Sampling details:

	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	7	7	7	7	7	7
MIC	N of resistant isolates	7	0	0	7	2	4
<=0.12				7			
<=0.25						2	
<=0.5							2
0.5						3	
<=1			7				
1							1
4		2					
8		2					
16		1					
>16		2				2	
32							1
>64					7		3

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

Sampling Stage: Retail Sampling Type: food sample - meat Sampling Context: Monitoring

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

Analytical Method:

Country of Origin: European Union

Sampling details:

	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	64	64	64	64	64	64
MIC	N of resistant isolates	38	1	0	36	4	33
<=0.12		24		61			
<=0.25						18	
0.25		2		3			
<=0.5							31
0.5						40	
<=1			61		3		
1						1	
2		1	2		20	1	
4		9			3		
8		21			1	1	2
16		4			1		1
>16		3				3	
32							1
64					5		10
>64					31		19
>128			1				

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

Sampling Stage: Processing plant

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: European Union

Sampling details:

	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	1	1	1	1	1	1
MIC	N of resistant isolates	0	0	0	0	0	0
<=0.12		1		1			
<=0.5							1
0.5						1	
<=1			1				
2		·	·-	·	1	·	<u> </u>

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

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: European Union

Sampling details:

	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	40	40	40	40	40	40
MIC	N of resistant isolates	28	0	0	26	3	30
<=0.12		12		39			
<=0.25						16	
0.25				1			
<=0.5							10
0.5						19	
<=1			40		2		
						1	
2		1			12		
4		9				1	
8		15					2
16		1					1
>16		2				3	
32	<u> </u>	·		·	·	·	2
64					7		11
>64					19		14

Table Antimicrobial susceptibility testing of Campylobacter jejuni 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

Sampling details:

	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	156	156	156	156	156	156
MIC	N of resistant isolates	110	0	0	104	16	100
<=0.12		40		88			
<=0.25						6	
0.25		6		67			
<=0.5							55
0.5				1		65	
<=1			104				
1						68	1
2			49		25	1	
4		2	3		22		
8		29			5	1	
16		58					3
>16		21				15	
32		<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	3
64					1		10
>64					103		84

ANTIMICROBIAL RESISTANCE TABLES FOR SALMONELLA

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

Sampling Stage: Retail Sampling Type: food sample - meat Sampling Context: Monitoring

Sampler: Official sampling Sampling Sampling Sampling Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: European Union

Sampling Details:

	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
MIC	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		
<=4											1				
4			1												
<=8						1									
64												1			

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

Sampling Stage: Farm

Sampling Type: environmental sample - boot swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	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
MIC	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		11													
<=2													1		
2								1							
<=4											1				
4			1												
<=8						11									
16												1			

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

Sampling Stage: Slaughterhouse

Sampling Type: food sample - neck skin

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	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
МІС	N of resistant isolates	0	0	0	0	0	0	0	0	0	0	1	0	0	0
<=0.03										2					
0.03							2								
<=0.25				2											2
<=0.5					2				2						
0.5														2	
<=1		1						1							
<=2													2		
2		1						1							
<=4											2				
4			1												
<=8						2									
8			1												
128												1			
>1024												1			

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

Sampling Stage: Slaughterhouse

Sampling Type: food sample - neck skin

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Germany

Sampling Details:

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

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

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Unknown

Sampling Details:

	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
MIC	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									<u> </u>	
0.5														1	1
<=1		1							1						
<=2									<u> </u>				1		
2								1							
<=4								•			1				
4			1												
<=8						1									
64												1			

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

Sampling Stage: Border inspection activities

Sampling Type: food sample

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Brazil

Sampling Details:

	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
МІС	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										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 Braenderup in Gallus gallus (fowl) - laying hens

Sampling Stage: Farm

Sampling Type: environmental sample - boot swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	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
MIC	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											1
<=0.5					1										
0.5														1	
<=1								1							
1									1						
<=2													11		
2		1													
<=4											1	1			
<=8			1									1			
8			1			1									
16						1									

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

Sampling Stage: Wholesale

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: South Africa

Sampling Details:

	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
MIC	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				1						
0.5															11
<=1		1						1							
<=2													1		
<=4											1				
<=8						1									
8			1												
32												1			

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

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Unknown

Sampling Details:

	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
MIC	N of resistant isolates	0	0	0	0	0	0	1	0	0	0	3	0	0	0
<=0.03										3					
0.03							4								
0.064										1					
<=0.25				4										2	3
<=0.5					4				3						
0.5														2	
<=1		2						2							
1									1						1
<=2													4		
2		2						1.							
<=4								1			4				
<u>4</u> <=8						4									
8			4			4									
128			4									1			
>1024												3			
1021															

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

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Unknown

Sampling Details:

	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
МІС	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				
<=8						1									
8			1												
32												1			

Table Antimicrobial susceptibility testing of Salmonella Chailey in Crustaceans - shrimps - raw - frozen

Sampling Stage: Border inspection activities

Sampling Type: food sample

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Vietnam

Sampling Details:

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

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

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Unknown

Sampling Details:

	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	9	9	9	9	9	9	9	9	9	9	9	9	9	9
MIC	N of resistant isolates	1	0	0	0	1	0	0	0	0	0	2	1	0	2
<=0.03										6					
0.03							9								
0.064										3					
<=0.25				9										4	
<=0.5					8				9						
0.5														5	6
<=1		5						9							
1					1										1
<=2													6		
2		2													
<=4											7				
4		1											2		
<=8						1									
8			8								2				
16			1			7						0			
32 >32												2			
		1				4						2			2
64 >64		1				1						2	1		
128												2	ı		
>1024												3 2			
<u> </u>															

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

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

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

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

Sampling Stage: Farm

Sampling Type: environmental sample - boot swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	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
MIC	N of resistant isolates	1	0	0	0	0	0	0	0	0	0	0	1	0	1
<=0.03										1					
0.03							1								
<=0.25				1											
<=0.5					1				1						
0.5														1	
2								11			<u> </u>				
<=4											1				
4			1			1									
<=8						1						4			
16												1			1
>32		1											1		ı
>64													1		

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

Sampling Stage: Border inspection activities

Sampling Type: food sample

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Madagascar

Sampling Details:

	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
MIC	N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<=0.015							1								
0.064										1					
<=0.25				1											1
<=0.5					1				1						
0.5														1	
<=1		1													
<=2													1		
2								1							
<=4			1								1				
4			1			4									
<=8 128						1						1			
120															

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

Sampling Stage: Farm

Sampling Type: environmental sample - boot swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	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
МІС	N of resistant isolates	0	0	0	0	0	1	4	0	0	1	0	0	0	0
<=0.015							3								
<=0.03										8					
0.03							4								
<=0.25				8										6	6
0.25							1								
<=0.5					8				7						_
0.5														2	2
<=1		3													
<=2		-						4	1				8		
<=4		5						4	ı		7				
4			3					4							
<=8			3			8		4				3			
8			5									<u> </u>			
16			<u> </u>									3			
32												2			
>128											1	-			

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

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Unknown

Sampling Details:

	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
МІС	N of resistant isolates	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<=0.03										3					
0.03							3								
<=0.25				3										2	3
<=0.5					3				3						
0.5														1	
<=1		2						3							
<=2		4											3		
2 <=4		1									3				
4			1								3				
<=8			ı			3									
8			2			<u> </u>									
32												1			
64												1			
128												1			

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

Sampling Stage: Wholesale Sampling

Sampling Type: food sample - meat Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Zimbabwe

Sampling Details:

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

Table Antimicrobial susceptibility testing of Salmonella Infantis in Meat from sheep - fresh

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	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
MIC	N of resistant isolates	0	0	0	0	0	1	0	0	0	1	1	1	0	1
<=0.03										1					
0.25							1								
<=0.5					1										
0.5				1											
<=1								1							
1									1					1	
2		1	1												
8 16			ı			1									
>32						<u> </u>									1
>64													1		,
128											1				
>1024											· ·	1			

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

Sampling Stage: Farm

Sampling Type: environmental sample - boot swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

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

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

Sampling Stage: Processing plant Sampling Type: food sample - meat Sampling Context: Monitoring

Sampler: Official sampling Sampling Sampling Sampling Strategy: Objective sampling Programme Code: OTHER AMR MON pnl2

Analytical Method:

Country of Origin: European Union

Sampling Details:

	AM substance Cefotaxime	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin Cefoxitin Oct Available I	Ceffazidim	Ceftazidime + Clavulanic acid	Ertapenem	E e e e e e e e e e e e e e e e e e e e	Meropenem	Tempocilling and sold
	Synergy test Ceftazidime synergy test		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
MIC	N of resistant isolates	1	1	0	0	1	0	0	0	0	0
<=0.015								1			
<=0.03										1	
0.12				1							
0.25							1		1		
4						1					
8		1			1						1
>64			1								

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

Sampling Stage: Processing plant

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: European Union

Sampling Details:

	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
MIC	N of resistant isolates	1	0	1	1	1	4	0	1	0	4	4	4	0	4
<=0.03										4					
0.12							1								
<=0.25				2											
0.25							3								
<=0.5					1				3						
0.5				1										3	
<=1								4							
1					2									1	
2		3													
4				<u>.</u>	1										
>4				1											
<=8						3									
8 >32			4						1						,
													4		4
>64		1									2		4		
128 >128						1					3				
>128						1					ı	4			
71024												4			

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: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: European Union

Sampling Details:

	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
MIC	N of resistant isolates	0	0	0	0	0	7	0	0	0	7	7	7	1	5
<=0.03										7					
0.12							1								
<=0.25				7											
0.25							3								
<=0.5					5				5						
0.5							1								2
<=1								6							
1					2		2	1	2					6	
2		3						1						1	
8		4	4												
16			3			7									
>32			3			ı									5
>64													7		<u> </u>
128											1				
>128											6				
>1024												7			
															_

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

Sampling Stage: Processing plant

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: European Union

Sampling Details:

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

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: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: European Union

Sampling Details:

ECOFF 8		AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
Highest limit		ECOFF	8	16	0.5	2	16	0.064	2	2	0.125	16	64	8	1	2
Nof tested isolates 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
Solates		Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
No		N of tested isolates	6	6	6	6	6	6	6	6	6	6	6	6	6	6
0.03	MIC	N of resistant isolates	0	0	0	0	0	3	0	0	0	3	3	3	0	2
Company	<=0.03										6					
0.25 3 <=0.5								3								
\$ \$ 0.5 \$ \$ \$ \$					6											3
0.5 <=1								3								
<=1						5				5						
1 1 1 3 <=2															3	1
<=2			1						5							
2 3 <-4						1				1					3	
<=4														3		
4 2 1 <=8			3						1							
<=8			2	1								3				
8 4 16 1 >32 2 64 2 >64 3 128 1 1 >128 2			2	1			2									
>32 2 64 2 >64 3 128 128 1 1 1 1 >128				1			<u> </u>									
>32 2 64 2 >64 3 128 128 1 1 1 1 >128	16						3									
64 2 2 3 3 128 128 2 2	>32			'			<u> </u>									2
>64 128 >128 >128													2			_
128	>64												_	3		
>128												1	1			
												2				
	>1024												3			

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

Sampling Stage: Farm

Sampling Type: environmental sample - boot swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	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
MIC	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	2
<=0.5					2				2						
<=1		1													
<=2													2		
2		1						2							
<=4											2				
<=8						2									
8			2												
32												2			

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

Sampling Stage: Farm

Sampling Type: animal sample - faeces

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	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
MIC	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											1
<=0.5					1				1						
0.5														1	
<=1		1													
<=2													1		
2								1			<u> </u>				
<=4											1				
4			1												
<=8						1						4			
16												1			

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

Sampling Stage: Slaughterhouse

Sampling Type: food sample - neck skin

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	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	9	9	9	9	9	9	9	9	9	9	9	9	9	9
МІС	N of resistant isolates	1	0	0	0	0	6	0	1	0	7	7	6	3	4
<=0.03										9					
0.03							2								
0.064							1								
<=0.25				9											2
0.25							5								
<=0.5					5				8						
0.5														3	3
<=1		2						9							
1					4		1							3	
<=2													2		
2		1												3	
<=4											2				
4		5	1			4			1				1		
<=8			4			1									
8 16			4			8									
32			4			0						2			
>32															4
64											1		1		- 4
>64		1									1		5		
128		-									1				
>128											5				

	AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sufamethoxazole	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	9	9	9	9	9	9	9	9	9	9	9	9	9	9
MIC	N of resistant isolates	1	0	0	0	0	6	0	1	0	7	7	6	3	4
>1024												7			

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

Sampling Stage: Slaughterhouse

Sampling Type: food sample - neck skin

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Belgium

Sampling Details:

	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
МІС	N of resistant isolates	1	0	0	0	0	4	0	0	0	4	4	4	1	4
<=0.03										4					
<=0.25				4											
0.25							4								
<=0.5					3				4						
<=1								4							
1					1									3	
2		2												1	
4		1													
88			3												
16			1			4									
>32															4
>64		1											4		
>128											4				
>1024												4			

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

Sampling Stage: Slaughterhouse

Sampling Type: food sample - neck skin

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Germany

Sampling Details:

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

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

Sampling Stage: Farm Sampling Type: environmental sample - boot swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling Sampling Sampling Strategy: Objective sampling

Programme Code: AMR MON pnl2

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	AM substance Cefotaxime	Cefepine	Cefotaxim	Cefotaxime + Clavulanic acid	O e e o xitiu	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	E e e e e e e e e e e e e e e e e e e e	Meropenem	Temocillin
	Synergy test Ceftazidime synergy test				Not Available						
	ECOFF	0.125	0.5	0.125	0.125	2	0.125	0.125	0.125	0.125	0.125
	Lowest limit	0.06	0.25	0.06	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
МІС	N of resistant isolates	1	1	0	0	1	0	0	0	0	0
<=0.015								1			
<=0.03										1	
0.25				1					1		
1							1				
8					1	1					
16											1
32 >64		1									
			1								

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

Sampling Stage: Farm

Sampling Type: environmental sample - boot swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	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
MIC	N of resistant isolates	1	0	1	1	0	1	0	1	0	1	1	1	1	0
<=0.03										1					
<=0.25															1
<=1								1							
2														1	
>4				1											
8					1										
>8							11								
16			1			1									
32		4							1						
>64		1											1		
>128											1	4			
>1024												1			

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

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Unknown

Sampling Details:

	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
MIC	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							
1									1				1		
<=2 2		1													
<=4		ı									1				
<=8						1					'				
8			1												
32												1			

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

Sampling Stage: Farm

Sampling Type: environmental sample - boot swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	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
MIC	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											1
<=0.5					1				1						
0.5														1	
<=1		1													
<=2													1		
2								1			<u> </u>				
<=4											1				
<=8						1									
8			1									4			
16												1			

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

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Unknown

Sampling Details:

	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
MIC	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		1						1							
1									1						
<=2													1		
<=4											1				
<=8			4			1									
8 128			1									1			
128												1			

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

Sampling Stage: Slaughterhouse

Sampling Type: food sample - neck skin

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Belgium

Sampling Details:

	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
МІС	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		
<=4											1				
4			1												
<=8						1						4			
128												11			

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

Sampling Stage: Border inspection activities

Sampling Type: food sample

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Brazil

Sampling Details:

	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
MIC	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										1	1
<=0.5					1				1						
<=1		1						1							
<=2													1		
<=4											1				
<=8			1			1									
8			1									1			
32												1			

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

Sampling Stage: Processing plant

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: European Union

Sampling Details:

	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
MIC	N of resistant isolates	4	0	0	0	2	3	3	0	0	3	5	0	0	5
<=0.03										5					
0.03							2								
<=0.25				5										1	
<=0.5					4				4						
0.5							3							2	
<=1								2							
_1					1				1					2	
<=2			1										3		
2		11													
<=4											2				
4			1					1					2		
<=8						3									
8			1					2							
16			2												_
>32															5
>64		4													
128						2									
>128											3				
>1024												5			

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

Sampling Stage: Processing plant

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: European Union

Sampling Details:

	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
MIC	N of resistant isolates	1	0	0	0	0	1	0	1	0	1	1	1	0	1
0.064										1					
<=0.25				1											
<=1								1							
1					1		1							1	
8									1						
16			1			1									
>32															1
>64		1											1		
>128											1				
>1024												1			

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

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: European Union

Sampling Details:

	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
MIC	N of resistant isolates	1	0	0	0	0	1	0	0	0	1	2	0	0	3
<=0.03										2					
0.03							1								
0.064							1			1					
<=0.25				3										1	
0.25							1								
<=0.5					3				3						
0.5														2	
<=1		2						3							
<=2													2		
<=4											2				
4			2										1		
<=8						3									
8			1												
32												1			_
>32															3
>64		1													
>128											1	•			
>1024												2			

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

Sampling Stage: Wholesale

Sampling Type: food sample

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

Sampling Details:

	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
MIC	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							
1									1						1
<=2		4											11		
2		1									1				
<=4 8			1								l l				
16			ı			1									
32						1						1			
												1			

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

Sampling Stage: Slaughterhouse

Sampling Type: food sample - neck skin

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	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
MIC	N of resistant isolates	3	0	0	0	0	6	0	1	0	5	4	0	0	8
<=0.03										7					
0.03							2								
0.064										1					
<=0.25				6										1	
0.25							1								
<=0.5					7				6						
0.5				2			2							4	
<=1		2						8							
1					1		3		1					3	
<=2													4		
2		1													
<=4		_	<u> </u>								2				
4		2	1										4		
<=8						5									
8			6			2			1		4	2			
16 32			1			3					11	2			
>32												1			0
>32 64												1			8
>64		3										<u> </u>			
>128		3									5				
>128											J	4			
>1024												4			

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

Sampling Stage: Slaughterhouse

Sampling Type: food sample - neck skin

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Belgium

Sampling Details:

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

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

Sampling Stage: Slaughterhouse

Sampling Type: food sample - neck skin

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Germany

Sampling Details:

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

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

Sampling Stage: Farm

Sampling Type: environmental sample - boot swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	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
MIC	N of resistant isolates	0	0	0	0	0	0	0	0	0	0	1	0	0	1
<=0.03										1					
0.03							1								
<=0.25				1										1	
<=0.5					1				1						
<=1		1													
<=2													11		
2								1							
<=4			<u> </u>								1				
4			1												
<=8						1									<u>, </u>
>32												4			1
>1024												1			

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: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	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
МІС	N of resistant isolates	1	0	0	0	0	1	0	1	0	1	1	1	1	1
0.064										1					
0.5				1											
1					1		1								
2								1						1	
8									1						
16			1			11									
>32		,													1
>64		1									1		1		
>128											1	1			
>1024												1			

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

Sampling Stage: Border inspection activities

Sampling Type: food sample

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Brazil

Sampling Details:

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

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

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Unknown

Sampling Details:

	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
MIC	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		
2		1													
<=4											1				
8			1												
16						1									
64												1			

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

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: European Union

Sampling Details:

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

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

Sampling Stage: Farm

Sampling Type: environmental sample - boot swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	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	11	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	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
MIC	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				1						
0.5														1	
<=1		1						1							
<=2													1		
<=4											1				
4			1												
<=8						1									
16												1			_

Table Antimicrobial susceptibility testing of Salmonella Thompson in Crustaceans - shrimps - raw - frozen

Sampling Stage: Border inspection activities

Sampling Type: food sample

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Vietnam

Sampling Details:

	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
MIC	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	<u> </u>						
1									1						
<=2													1		
2		1				4									
<=8			1			1					4				
8 256			11								1	1			
230												!			

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

Sampling Stage: Farm

Sampling Type: environmental sample - boot swabs

Sampling Context: Monitoring - EFSA specifications

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	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
МІС	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		11													
<=2								<u> </u>					11		
2								1							
<=4											1				
<=8			4			1						1			
8			1												

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

Sampling Stage: Slaughterhouse

Sampling Type: food sample - carcase swabs

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Unknown

Sampling Details:

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

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

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	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
MIC	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				1						
0.5															2
<=1								2							
1									1				2		
<=2 2		2													
<=4											2				
<=8						2									
8			2												
32												2			

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

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: European Union

Sampling Details:

	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
МІС	N of resistant isolates	1	0	0	0	1	1	0	0	0	1	1	1	0	0
<=0.03										1					
<=0.25				1										1	1
0.25							1								
<=0.5					1				1						
<=1								1							
8			11										<u> </u>		
64													1		
>64		1													
>128						1					1	4			
>1024												1			

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

Sampling Stage: Retail

Sampling Type: food sample

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Unknown

Sampling Details:

	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
MIC	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				
<=8						1									
8			1												
32												1			

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

Sampling Stage: Slaughterhouse

Sampling Type: food sample - neck skin

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	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
MIC	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		
2		1													
<=4			1								1				
4			1			1									
<=8 32						11						1			
32															

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

Sampling Stage: Slaughterhouse

Sampling Type: food sample - neck skin

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Germany

Sampling Details:

	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
МІС	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						1	<u> </u>						
1									1						
<=2											4		1		
<=4			1								1				
<u>4</u> <=8			ı			1									
128						'						1			
120												1			

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

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	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
MIC	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				1						
0.5														1	1
<=1								1							
<=2													1		
2		1													
<=4											1				
8			1			4									
16						1						4			
32												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: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: AMR MON

Analytical Method:

Country of Origin: Unknown

Sampling Details:

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

Table Antimicrobial susceptibility testing of Salmonella Typhimurium, monophasic in Meat from bovine animals - meat preparation - intended to be eaten cooked

Sampling Stage: Retail Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: European Union

Sampling Details:

	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
MIC	N of resistant isolates	1	0	0	0	0	0	0	0	0	0	1	0	0	0
<=0.03										1					
0.03							1								
<=0.25				1											1
<=0.5					1										
0.5														1	
<=1								1	<u> </u>						
1									1						
<=2													1		
<=8			4			1					4				
8		4	1								1				
>64		I										1			
>1024															

Table Antimicrobial susceptibility testing of Salmonella Typhimurium, monophasic in Fish (food)

Sampling Stage: Border inspection activities

Sampling Type: food sample

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Vietnam

Sampling Details:

	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
МІС	N of resistant isolates	1	0	0	0	0	0	0	0	0	0	1	1	0	0
<=0.03										1					
0.03							1								
<=0.25				1											1
<=0.5					1										
0.5														1	
<=1								1	<u> </u>						
1									1						
<=4											1				
<=8						1									
8		1	1										4		
>64 >1024		Т										4	1		
>1024												1			

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

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

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

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

Sampling Stage: Wholesale

Sampling Type: food sample - meat

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Indonesia

Sampling Details:

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

Table Antimicrobial susceptibility testing of Salmonella Weltevreden in Crustaceans - shrimps - raw - frozen

Sampling Stage: Border inspection activities

Sampling Type: food sample

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Bangladesh

Sampling Details:

	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
МІС	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										1	1
<=0.5					1				1						
<=1		11						1							
<=2													1		
<=4											1				
4			1												
<=8						1									
128												11			

Table Antimicrobial susceptibility testing of Salmonella Weltevreden in Crustaceans - shrimps - raw - frozen

Sampling Stage: Border inspection activities

Sampling Type: food sample

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Vietnam

Sampling Details:

	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
MIC	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											1
<=0.5					1				2						
0.5														2	
<=1		1						2							
_1					1										1
<=2													2		
2		11													
<=4											2				
4			1												
<=8						2									
8			1												
64												2			

Table Antimicrobial susceptibility testing of Salmonella Weltevreden in Fish (food)

Sampling Stage: Border inspection activities

Sampling Type: food sample

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: Vietnam

Sampling Details:

	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
MIC	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						1							
<=2													1		
2									11						
<=4											1				
<=8						1									
8			1												
128												1			

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

Sampling Stage: Wholesale

Sampling Type: food sample

Sampling Context: Monitoring

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER AMR MON

Analytical Method:

Country of Origin: India

Sampling Details:

	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
MIC	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										11	1
<=0.5					1				1						
<=1		11						1							
<=2													1		
<=4											1				
<=8						1									
8			1												
128												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 Sampling Type: food sample - meat Sampling Context: Surveillance

Programme Code: OTHER ESBL MON pnl2 Sampler: Official sampling Sampling Strategy: Objective sampling

Analytical Method:

Country of Origin: South Africa

Sampling Details:

	AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	Ітірепет	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	0.25	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	_	_	_	_	_	_	_	_	_	_
MIC	isolates	1	1	0	0	1	0	0	0	0	0
<=0.015								1		1	
<=0.03 <=0.064				1						1	
<=0.004				ı ı			1				
0.5									1		
1						1					
8					1						1
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 sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER ESBL MON

Analytical Method:

Country of Origin: South Africa

Sampling Details:

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

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 sampling Sampling Sampling Sampling Programme Code: OTHER ESBL MON pnl2

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceffazidim	Ceffazidime + Clavulanic acid	Ertapenem	Imipenem	Meropenem	Temocillin
	Cefotaxime synergy test	Not Available	e Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
	Ceftazidime synergy test	Not Available	e 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	11	11	11	11	11	11	11	11	11	11
МІС	N of resistant isolates	11	11	0	0	11	0	0	1	0	0
<=0.015								7			
<=0.03										10	
0.03								4			
<=0.064				10							
0.064										1	
<=0.12							4				
0.12				1			7		•		
0.25							7		6		
0.5									1		
2						4					
4					5	1					1
8		2			6	3					8
16		2				3					2
etherlands -	2018								126		

	AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	Imipenem	Meropenem	Temocillin
	synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available I	Not Available
	Ceftazidime synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available I	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	11	11	11	11	11	11	11	11	11	11
MIC	N of resistant		44	^	•	44	^	^			•
MIC	isolates	11	11	0	0	11	0	0	1	0	0
32		5	1								
>32		2									
64			6								
>64			Ö								

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 sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER ESBL MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

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

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

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 sampling Sampling Sampling Sampling Programme Code: OTHER ESBL MON pnl2

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

| MIC | <=0.015 | <=0.03 | 0.03 | <=0.064 | 0.064 | <=0.12 | 0.12 | 0.25 | 0.5 |

AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	lmipenem	Meropenem	Temocillin
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	6	6	6	6	6	6	6	6	6	6
N of resistant isolates	4	6	3	3	6	3	1	1	0	0
							3			
									5	
							2			
			2							
						1			1	
	2		1							
			<u> </u>			2	1	4		
							•	1		
	1							1		
		1	2		1					
		1		3	1	1				
					2	1				4
	1				1					2

	AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceffazidime + Clavulanic acid	Ertapenem	Imipenem	Meropenem	Temocillin
	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	6	6	6	6	6	6	6	6	6	6
MIO	N of resistant		•	•	•	^	•	_	4	•	
MIC	isolates	4	6	3	3	6	3	1	1	0	0
32		1	1	1							
>32		1									
64			1		2	1	1				
>64			2		1						

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 sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER ESBL MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

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

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

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 sampling Sampling Sampling Sampling Programme Code: OTHER ESBL MON pnl2

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

Sum	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 I	Not Available	Not Available	Not Available	Not Available	Not Available
	Ceftazidime synergy test	Not Available	Not Available	Not Available	Not Available	Not Available I	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
MIC	N of resistant isolates	1	1	0	0	1	0	0	0	0	0
<=0.015								1			
<=0.03										1	
<=0.064				1							
<=0.12							1				
0.25									1		
1						1					
4					1						
8											1
~											
16		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 sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER ESBL MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

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

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

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

Sampler: Official sampling Sampling Sampling Sampling Programme Code: OTHER ESBL MON pnl2

Analytical Method:

Country of Origin: India

<=0.015 1 <=0.064 1 0.25 1 0.5 1 2 1 4 1 8 1 32 1	Sampl	ling Details:										
Synergy test			Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	Imipenem	Мегорепет	Temocillin
Synergy test Not Available		synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
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			Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Highest limit 32 64 64 64 128 128 2 16 16 64 N of tested		ECOFF	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8
N of tested		Lowest limit	0.064	0.25	0.064	0.5	0.25	0.12	0.015	0.12	0.03	0.5
N of tested		Highest limit	32	64	64	64	128	128	2	16	16	64
MIC isolates 1 1 0 0 1 0		N of tested	1	1	1	1	1	1	1	1	1	1
<=0.064	MIC			1	0	0	1	0	0	0	0	0
0.064 1 0.25 1 0.5 1 2 1 4 1 8 1 32 1	<=0.015								1			
0.25 1 0.5 1 2 1 4 1 8 1 32 1	<=0.064				1							
0.5 1 2 1 4 1 1 32 1	0.064										1	
2 1 4 1 8 1 32 1	0.25							1				
4 8 1 32 1										1		
8 1 32 1	2						1					
32 1												1
						1						
			1									
64 1	64			1								

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

Sampling Stage: Border inspection activities

Sampling Type: food sample

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER ESBL MON

Analytical Method:

Country of Origin: India

Sampling Details:

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

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 Sampling Strategy: Objective sampling Programme Code: AMR MON pnl2

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

MIC
<=0.015
<=0.03
0.03
<=0.064
<=0.12
0.25
0.5</pre>

2

>4 8 >8

AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	lmipenem	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	0.25	8	8	0.5	16	0.06	0.5	0.125	8
Lowest limit	0.06	0.25	0.064	0.5	0.5	0.12	0.015	0.12	0.03	0.5
Highest limit	32	4	64	64	8	128	2	16	16	64
N of tested isolates	4	4	4	4	4	4	4	4	4	4
N of resistant isolates	4	4	0	1	4	0	0	0	0	0
							3			
									4	
							1			
			4							
						3 1		4		
	2							7		
	1									
					1					
				2						2
		4								
				1	1					1
					2					
	1			1						1

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

Sampling Details:

	AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
	ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
	N of tested isolates	390	390	390	390	390	390	390	390	390	390	390	390	390	390
	N of resistant														
МІС	isolates	139	1	4	4	25	97	0	15	0	91	109	100	0	89
<=0.015							247								
<=0.03										388					
0.03							46								
0.064										2					
0.12 <=0.25				386			7							323	110
0.25				386			57							323	140
<=0.5					386		57		150						
0.5					360		18		150					67	147
<=1		5					10	385						07	147
1		<u> </u>					4	000	202						14
<=2			19				•		202				239		
2		85			1		2	5	23						
<=4											291				
4		152	174				1		3				50		1
>4				4											
<=8						337						278			
8		9	167				4		1		5		1		
>8					3		4								
16			29			28			7		3	2	1		
32			1			5			4			1	2	<u> </u>	

	AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
	ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
	N of tested isolates	390	390	390	390	390	390	390	390	390	390	390	390	390	390
MIC	N of resistant isolates	139	1	4	4	25	97	0	15	0	91	109	100	0	89
>32															88
64		1				5					6		34		
>64		138											63		
128						4					43				
>128						11					42				
256												1			
512												1			
>1024	<u> </u>											107			

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 Sampling Sampling Programme Code: ESBL MON pnl2

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	lmipenem	Meropenem	Temocillin
	Cefotaxime synergy test	Not Available	e Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
	Ceftazidime synergy test	Not Available	e 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	131	131	131	131	131	131	131	131	131	131
МІС	N of resistant isolates	128	131	6	10	128	8	0	1	0	0
<=0.015								83			
<=0.03										129	
0.03								41			
<=0.064				109							
0.064								7		2	
<=0.12				·-			48		31		
0.12		3		15					•		
0.25		3		1			64		94		
0.5		0		4		3	11		5		
1		2		1	4	19	3		1		
2		9	2	3	72	23	3				27
8		4 16	3	<u>1</u> 1	45	20 43	2				37 70
16		29	6	<u> </u>	45	19					24
etherlands -	2010	20	0		7	13			141		<u> </u>

	AM substance Cefotaxime synergy test	Cefebime Contact Not Available	Cetotaxia Cot Available	Cefotaxime + Clavulanic acid	Cefoxitin Oct Available	Ceffazidim Oceffazidim	Ceftazidime + Clavulanic acid	Ertabenem Ertabenem Wot Available	ய ப்ப ப்ப ப்ப ப்ப ப்ப ப்ப ப்ப ப்ப ப்ப ப்	Meropene Meropene Meropene	ية عنون س <u>ال</u> Wot 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	131	131	131	131	131	131	131	131	131	131
	N of resistant			_		400	_	_		_	
MIC	isolates	128	131	6	10	128	8	0	1	0	
32		42	5		2	4					
>32		23									
64			28		3						
>64			84		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

Sampling Details:

	AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
	ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
	N of tested isolates	131	131	131	131	131	131	131	131	131	131	131	131	131	131
МІС	N of resistant isolates	131	9	131	126	61	65	0	35	0	23	81	104	0	73
<=0.015							53								
<=0.03										129					
0.03							12								
0.064							1			2					
<=0.25														97	23
0.25							23								
<=0.5					5				25						
0.5							22	404						31	33
<=1					19		3	124	60					3	2
<=2			2		19		<u> </u>		60				22	ა	2
2				2	19			7	11				22		
<=4					10			,			75				
4			33	2	23								5		
>4				127											
<=8						68						50			
8			76		32		4				27				
>8					33		13								
16			11			2			4		6		1		
32			2						6		1		1		
>32									25						73

	AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
	ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
	N of tested isolates	131	131	131	131	131	131	131	131	131	131	131	131	131	131
MIC	N of resistant isolates	131	9	131	126	61	65	0	35	0	23	81	104	0	73
64			3			2							24		
>64		131	4										78		
128						19					1				
>128						40					21				
>1024												81			

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

Sampling Details:

	AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
	ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
	N of tested isolates	39	39	39	39	39	39	39	39	39	39	39	39	39	39
MIC	N of resistant isolates	39	3	39	38	13	17	0	7	0	6	23	23	0	25
<=0.015							16								
<=0.03										39					
0.03							6								
<=0.25														30	7
0.25							5								
<=0.5					1				15						
0.5							6							9	6
<=1								39							
1				1	7				17				•		1
<=2			2				4						9		
2 <=4				2	8		1				25				
4			10	2	3						25		7		
>4			10	34	<u> </u>								,		
<=8				J-1		23						16			
8			23		11	20	1				4	10			
>8					9		4								
16			1		-	3					4				
32			2												
>32									7						25
64		1	1			1							7		

	AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
	ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
	N of tested isolates	39	39	39	39	39	39	39	39	39	39	39	39	39	39
MIC	N of resistant isolates	39	3	39	38	13	17	0	7	0	6	23	23	0	25
>64		38											16		
128		·				6					1				
>128						6					5				
>1024												23			

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 SEL AMR MON pn

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	Imipenem	Meropenem	Temocillin
	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	39	39	39	39	39	39	39	39	39	39
MIC	N of resistant isolates	34	39	1	11	39	0	3	0	0	4
<=0.015								23			
<=0.03										39	
0.03								13			
<=0.064				27							
0.064								2			
<=0.12							14		6		
0.12		5		4							
0.25							16	1	30		
0.5		1		1			1		3		
1		1		1		8	1				
2		2	3	3	3	8					
4		4	2	2	16	7	3				9
8		8	2		9	8	3				26
16		7	2	1	5	7	1				4
32		6	3		2	11					
>32		5									
64			10		2						

	AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	Imipenem	Meropenem	Temocillin
	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	39	39	39	39	39	39	39	39	39	39
MIC	N of resistant isolates	34	39	1	11	39	0	3	0	0	4
>64			17		2						

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 Sampling Sampling Strategy: Objective sampling Programme Code: OTHER AMR MON pnl2

Analytical Method:

Country of Origin: Unknown

Sampling Details:

AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	mipenem	Meropenem	Temocillin
Cefotaxime synergy test		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	0.06	0.25	0.064	0.5	0.5	0.12	0.015	0.12	0.03	0.5
Highest limit	32	4	64	64	8	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	1	1	1	0	0	0	0
									1	
							1			
	1									
								1		
		1	1							
					1	1				
				1						1
	Cefotaxime synergy test Ceftazidime synergy test ECOFF Lowest limit Highest limit N of tested isolates N of resistant	Cefotaxime synergy test Ceftazidime synergy test ECOFF Lowest limit Nof tested isolates N of resistant isolates 0 E	Substance E	AM substance E E E E E E E E E E E E E E E E E E E	AM substance Example 10 September 10 Septem	AM substance E	AM substance E	AM substance E	AM substance E	AM substance

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

Sampling Details:

	AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
	ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
	N of tested isolates	298	298	298	298	298	298	298	298	298	298	298	298	298	298
MIC	N of resistant isolates	5	0	1	1	3	0	0	1	0	0	5	5	0	2
<=0.015							254								
<=0.03										298					
0.03							44								
<=0.25				297										263	107
<=0.5					297				133						
0.5														35	178
<=1		8						297							
1									154						11
<=2			8										230		
2		76		1				1	10						
<=4											295				
4		183	140		1				1				63		
<=8		00	110			251					•	293			
8		26	148			- 11					3				
16			2			44							4		
32 >32													1		
>64		-											4		2
128		5				2							4		
>128						1									
>128												5			
-1024												<u> </u>			

Sampling Stage: Retail Sampling Type: food sample - meat Sampling Context: Surveillance

Sampler: Official sampling Sampling Sampling Sampling Programme Code: OTHER ESBL MON pnl2

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

Sampl	ing Details:										
	AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	mipenem	Meropenem	Temocillin
	Cefotaxime synergy test		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
MIC	N of resistant isolates	1	1	0	0	1	0	0	0	0	0
<=0.015								1			
<=0.03										1	
<=0.064				1							
<=0.12									1		
0.25							1				
2						1					
4					1						4
8											1
16 64		1	1								
04			1								

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER ESBL MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

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

Sampling Stage: Retail Sampling Type: food sample - meat Sampling Context: Surveillance

Sampler: Official sampling Sampling Sampling Sampling Programme Code: OTHER ESBL MON pnl2

Analytical Method:

Country of Origin: France

Sampling Details:

	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	0.25	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
MIC	N of resistant isolates	1	1	0	0	1	0	0	0	0	0
<=0.03										1	
0.03								1			
<=0.064				1							
0.25							1		1		
2						1					
8		1			1						1
32			1								

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER ESBL MON

Analytical Method:

Country of Origin: France

Sampling Details:

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

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

Sampling Stage: Slaughterhouse Sampling Type: animal sample - caecum Sampling Context: Monitoring

Sampler: Official sampling Sampling Strategy: Objective sampling Programme Code: AMR MON pnl2

Analytical Method:

Country of Origin: Netherlands

Sampli	ng Details:										
	AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	lmipenem	Мегорепет	Temocillin
	Cefotaxime synergy test				-	-	-	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	0.06	0.25	0.064	0.5	0.5	0.12	0.015	0.12	0.03	0.5
	Highest limit	32	4	64	64	8	128	2	16	16	64
	N of tested isolates	1	1	1	1	1	1	1	1	1	1
	N of resistant										
MIC	isolates	0	1	11	1	1	1	0	0	0	0
<=0.015								1			
<=0.03										1	
<=0.12									1		
0.12		1									
2				1							
2			4				4				
			1			1	1				1
8			1		1	1	1				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

Sampling Details:

	AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
	ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
	N of tested isolates	301	301	301	301	301	301	301	301	301	301	301	301	301	301
	N of resistant														
MIC	isolates	74	2	1	1	36	3	0	2	0	2	90	99	0	73
<=0.015							251								
<=0.03										301					
0.03							47								
0.12				200			1							050	440
<=0.25 0.25				300			2							256	116
<=0.5					300		2		140						
0.5					300				140					45	100
<=1		3						300						40	100
1				1					139						12
<=2			13	•									176		
2		73						1	20						
<=4											297				
4		139	171		1				2				25		1
<=8						247						210			
8		12	112								2		1		
16			3			18						1			
32						3									
>32															72
64		2	1			4					1		31		
>64		72	1										68		

	AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
	ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
	N of tested isolates	301	301	301	301	301	301	301	301	301	301	301	301	301	301
MIC	N of resistant isolates	74	2	1	1	36	3	0	2	0	2	90	99	0	73
128						10					1				
>128	·					19	·	·			·			·	
>1024												90			

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 pnl2

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	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	0.25	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	56	56	56	56	56	56	56	56	56	56
MIC	N of resistant isolates	37	56	28	29	56	29	1	0	0	0
<=0.015								30			
<=0.03										54	
0.03								23			
<=0.064		3		23							
0.064								2		2	
<=0.12							16		7		
0.12		16		5				1			
0.25		10					10		43		
0.5		2					1		6		
1		5	3	4		4	1				
2		3	7	15	3	14	4				1
			16	7	14	7	9				14
4						- 10	40				
4 8 16		2	9	2	10 2	16 10	12 3				32 8

	AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	Imipenem	Meropenem	Temocillin
	synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available I	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	56	56	56	56	56	56	56	56	56	56
MIC	N of resistant		56	28	20	EC	20	_	0		•
MIC	isolates	37		28	29	56	29	1	0	0	
32		5	2		10	5					1
>32		4									
64			8		11						
>64			7		6						

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

Sampling Details:

	AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
	ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
	N of tested isolates	56	56	56	56	56	56	56	56	56	56	56	56	56	56
MIC	N of resistant isolates	56	1	56	56	11	8	0	1	0	7	33	30	0	30
<=0.015							36								
<=0.03										56					
0.03							12								
0.12							5								
<=0.25														40	16
0.25							2								
<=0.5									27						
0.5							1							13	9
<=1				•				55	21					•	,
1				2	4				24				0.4	3	1
<=2			1	9	11			1	4				21		
<=4				9	- 11			1	4		47				
4			15	14	11						41		5		
>4			10	31	.,										
<=8				01		43						23			
8			36		15				1		1				
>8					15										
16			3			2					1		1		
32						2					1				
>32															30

	AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
	ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
	N of tested isolates	56	56	56	56	56	56	56	56	56	56	56	56	56	56
MIC	N of resistant isolates	56	1	56	56	11	8	0	1	0	7	33	30	0	30
64						1					3		11		
>64		56	1										18		
128						2					1				
>128						6					2				
>1024												33			

Sampling Stage: Processing plant Sampling Type: food sample - meat Sampling Context: Surveillance

Sampler: Official sampling Sampling Sampling Sampling Programme Code: OTHER ESBL MON pnl2

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	lmipenem	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
	Cofforidimo	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	5	5	5	5	5	5	5	5	5	5
MIC	N of resistant isolates	5	5	1	3	4	1	0	0	0	0
<=0.015								4			
<=0.03										5	
0.03								1			
<=0.064				3							
<=0.12							3		1		
0.12				1							
0.25		1					1		4		
0.5		1				1					
2		2			-	1	4				4
4		4		4	2	4	1				1
8		1	4	1	2	1			_		3
16 32			4		2	<u>1</u> 1					1
64			1		1	<u> </u>					
otherlands .	2010								162		

Sampling Stage: Processing plant

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER ESBL MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

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

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

Sampling Stage: Retail Sampling Type: food sample - meat Sampling Context: Surveillance

Sampler: Official sampling Sampling Sampling Sampling Programme Code: ESBL MON pnl2

Analytical Method:

Country of Origin: Italy

Sampling Details:

	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	0.25	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
MIC	N of resistant isolates	1	1	0	0	1	0	0	0	0	0
<=0.015								1			
<=0.03										1	
<=0.064				1							
<=0.12							1				
0.25									1		
0.5		1									
4			1								
8					1						1
16						1					

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON

Analytical Method:

Country of Origin: Italy

Sampling Details:

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

Sampling Stage: Retail Sampling Type: food sample - meat Sampling Context: Surveillance

Sampler: Official sampling Sampling Sampling Sampling Strategy: Objective sampling Programme Code: ESBL MON pnl2

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	lmipenem	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	0.25	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	38	38	38	38	38	38	38	38	38	38
МІС	N of resistant isolates	37	37	5	11	36	5	1	0	0	0
<=0.015								24			
<=0.03										35	
0.03				2.1				9			
<=0.064		1		31				4			
0.064 <=0.12							22	4	5	3	
0.12				2			22	1	5		
<=0.25			1			1		'			
0.25		7					10		24		
0.5		9				1	1		9		
1		5				4	•				
2		3	6			11					
4		-	3		7	3					10
8		5	6	5	20	5	5				24
lothorlands	2010								167		

	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 I	Not Available
	Ceftazidime synergy test	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available I	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	38	38	38	38	38	38	38	38	38	38
MIC	N of resistant isolates	37	37	5	11	36	5	1	0	0	0
16		4	9		5	7					4
32		2	4			5					
>32		2									
64			4			1					
>64			5		6						

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
	ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
	N of tested isolates	38	38	38	38	38	38	38	38	38	38	38	38	38	38
MIC	N of resistant isolates	38	1	37	35	7	20	1	3	0	19	25	23	0	14
<=0.015							9								
<=0.03										38					
0.03							8								
0.064							1								
<=0.25				1										28	6
0.25							5								
<=0.5					3				11						
0.5							6							9	11
<=1								37							
1				1	4		1		21					1	6
<=2			3	4	44				•				13		
2				4	11				3		40				1
<=4 4			18	3	2		1				18		2		
>4			10	29			ı								
<=8						29									
8			15		4	25	1	1			1				
>8					14		6	•			•				
16			1			2			1			4			
32						3			2			8			
>32															14

	AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
	ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
	N of tested isolates	38	38	38	38	38	38	38	38	38	38	38	38	38	38
MIC	N of resistant isolates	38	1	37	35	7	20	1	3	0	19	25	23	0	14
64			1			2						1	2		
>64		38											21		
128						1					2				
>128						1					17				
>1024												25			

Sampling Stage: Retail Sampling Type: food sample - meat Sampling Context: Surveillance

Sampler: Official sampling Sampling Sampling Sampling Programme Code: ESBL MON pnl2

Analytical Method:

Country of Origin: Belgium

Sampling Details:

	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	0.25	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
MIC	N of resistant isolates	1	1	0	1	1	0	0	0	0	0
<=0.015								1			
<=0.03										1	
0.12				1							
0.25							1		1		
2		1									
16			1		1	1					1

Sampling Stage: Retail Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON

Analytical Method:

Country of Origin: Belgium

Sampling Details:

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

Sampling Stage: Retail Sampling Type: food sample - meat Sampling Context: Surveillance

Sampler: Official sampling Sampling Sampling Sampling Strategy: Objective sampling Programme Code: ESBL MON pnl2

Analytical Method:

Country of Origin: Unknown

Sampling Details:

	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	0.25	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
MIC	N of resistant isolates	2	2	0	0	2	0	0	0	0	0
<=0.015								2			
<=0.03										2	
<=0.064				2							
<=0.12							2				
0.25		2							2		
2			1			1					
4			1		1						1
8					1						1
16						1					

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: ESBL MON

Analytical Method:

Country of Origin: Unknown

Sampling Details:

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

Sampling Stage: Retail Sampling Type: food sample - meat Sampling Context: Surveillance

Sampler: Official sampling Sampling Strategy: Objective sampling Programme Code: OTHER ESBL MON pnl2

Analytical Method:

Country of Origin: Unknown

Sampling Details:

	AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	Ітірепет	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	0.25	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
MIC	N of resistant isolates	1	2	1	1	2	1	0	0	0	0
<=0.015								1			
<=0.03										2	
0.03								1			
<=0.064				1			<u>.</u>				
<=0.12		4					11				
0.12		<u>1</u> 1									
0.25		1				1			2		
4			1	1	1	ı					
8			1	<u> </u>	<u>'</u>		1				2
16						1					2
64					1						
-					<u>'</u>						

Sampling Stage: Retail

Sampling Type: food sample - meat

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER ESBL MON

Analytical Method:

Country of Origin: Unknown

Sampling Details:

	AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
	ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
	N of tested isolates	175	175	175	175	175	175	175	175	175	175	175	175	175	175
MIC	N of resistant isolates	69	0	2	2	5	48	2	4	0	44	57	46	0	48
<=0.015							77								
<=0.03										172					
0.03							50								
0.064										2					
0.12							1			1					
<=0.25				173										151	30
0.25							24								
<=0.5					173				75						
0.5							9							24	68
<=1		5						173							
1				1					85						29
<=2			6										107		
2		36			1				11						
<=4											123				
4		59	83					2					21		1
>4				1		404						10			
<=8		0	04			161	0				^	12	1		
8		6	81		1		9				6		1		
>8 16			5		ı	9	5				2	47			
32			5			<u>9</u> 1			2			48	1		1
32						ı			2			48	ı		<u> </u>

	AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
	ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
	N of tested isolates	175	175	175	175	175	175	175	175	175	175	175	175	175	175
МІС	N of resistant isolates	69	0	2	2	5	48	2	4	0	44	57	46	0	48
>32									2						46
64											2	11	7		
>64		69											38		
128						1					11	1			
>128						3					31				
>1024												56			

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 Sampling Sampling Strategy: Objective sampling Programme Code: AMR MON pnl2

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	lmipenem	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	0.25	8	8	0.5	16	0.06	0.5	0.125	8
	Lowest limit	0.06	0.25	0.064	0.5	0.5	0.12	0.015	0.12	0.03	0.5
	Highest limit	32	4	64	64	8	128	2	16	16	64
	N of tested isolates	1	1	1	1	1	1	1	1	1	1
MIC	N of resistant isolates				_		_		0	0	0
	istiales	1	1	0	0	1	0	0	U		
<=0.03	isolates	11	1	0	0	1	0	0	U	1	
<=0.03 0.03	isolates	1	1	0	0	1	0	1	<u> </u>		•
<=0.03 0.03 <=0.064	isolates	1	1	1	0	1	0	-	0		
<=0.03 0.03 <=0.064 0.25	Isolates	1	1		0	1		-	1		
<=0.03 0.03 <=0.064 0.25 0.5	isolates	1			0	1	1	-			
<=0.03 0.03 <=0.064 0.25 0.5 >4	isolates	1	1					-			
<=0.03 0.03 <=0.064 0.25 0.5	isolates	1			1	1		-			1

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

Sampling Details:

	AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceffazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
	ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
	N of tested isolates	209	209	209	209	209	209	209	209	209	209	209	209	209	209
MIC	N of resistant isolates	66	3	1	1	42	11	0	10	0	8	73	121	0	59
<=0.015							159								
<=0.03										208					
0.03							37								
0.064							2			1					
0.12							1								
<=0.25				208										162	43
0.25							5								
<=0.5					208				87						
0.5							3							47	99
<=1		5						204							
1									103						8
<=2			3										73		
2		45						5	9						
<=4											195				
4		89	88										15		
>4				1											
<=8						150						136			
8		4	108				1				6				
>8 16			7		1	47	1		4						
32			7			17			1				4		
32						2			2				1		

	AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
	ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
	N of tested isolates	209	209	209	209	209	209	209	209	209	209	209	209	209	209
МІС	N of resistant isolates	66	3	1	1	42	11	0	10	0	8	73	121	0	59
>32									7						59
64			2			2					1		31		
>64		66	1										89		
128						21					4				
>128						17					3				
>1024				·	·			·				73			

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 Sampling Sampling Strategy: Objective sampling Programme Code: ESBL MON pnl2

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	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	0.25	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	67	67	67	67	67	67	67	67	67	67
МІС	N of resistant isolates	63	67	9	13	65	9	2	0	0	0
<=0.015								49			
<=0.03										66	
0.03								12			
<=0.064				53							
0.064								4		1	
<=0.12							27		18		
0.12		4		5				2			
0.25		8					30		47		
0.5		7				2	1		2		
1		7	1			7					
2		6	1		1	22					10
		4	4	6	25	7	3				13
16		6 8	17 10	2	28	7 10	5 1				9
		8	10		4	10					9
therlands	- 2018								181		

	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	0.25	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	67	67	67	67	67	67	67	67	67	67
MIC	N of resistant isolates	63	67	9	13	65	9	2	0	0	0
32		9	4	1	2	9					1
>32		8									
64			16		6	1					
>64			14		1						
128						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: ESBL MON

Analytical Method:

Country of Origin: Netherlands

Sampling Details:

	AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
	ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
	N of tested isolates	67	67	67	67	67	67	67	67	67	67	67	67	67	67
MIC	N of resistant isolates	67	2	67	67	13	37	0	4	0	29	54	31	0	35
<=0.015							17								
<=0.03										66					
0.03							13								
0.12										1					
<=0.25														50	15
0.25							18								
<=0.5									21						
0.5							9							16	15
<=1								67							
1				1	11		4		34					1	2
<=2			6		10				•				34		
2				1	18		2		8						
<=4 4			22	4	8						29		2		
>4			22	61	0										
<=8				O I		51						12			
8			35		6	31					2	12			
>8					24		4								
16			2		2-7	3	-		1		7	1			
32			_			5			•		,		5		
>32						-			3				-		35
									-						

	AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
	ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
	N of tested isolates	67	67	67	67	67	67	67	67	67	67	67	67	67	67
MIC	N of resistant isolates	67	2	67	67	13	37	0	4	0	29	54	31	0	35
64			2			3					2		8		
>64		67											18		
128						3					5				
>128						2					22				
>1024												54			

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

Sampler: Official sampling Sampling Sampling Sampling Programme Code: OTHER ESBL MON pnl2

Analytical Method:

Country of Origin: Vietnam

Sampling Details:

	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	0.25	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
MIC	N of resistant isolates	1	1	0	1	1	0	0	0	0	0
<=0.03										1	
0.03								1			
0.12				1							
0.25							1		1		
4						1					
8											1
32					1						
>32		1									
>64			1								

Sampling Stage: Border inspection activities

Sampling Type: food sample

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER ESBL MON

Analytical Method:

Country of Origin: Vietnam

Sampling Details:

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

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

Sampler: Official sampling Sampling Sampling Sampling Programme Code: OTHER ESBL MON pnl2

Analytical Method:

Country of Origin: China

Samnl	ing Details:										
Sampi	ing Details.										
	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	0.25	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
МІС	N of resistant isolates	1	1	0	0	1	0	0	0	0	0
<=0.015								1			
<=0.03										1	
<=0.064				1							
0.25							1				
0.5									1		
1						1					
8		1			1						1
32			1								

Sampling Stage: Border inspection activities

Sampling Type: food sample

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER ESBL MON

Analytical Method:

Country of Origin: China

Sampling Details:

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

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

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

Sampler: Official sampling Sampling Sampling Sampling Programme Code: OTHER ESBL MON pnl2

Analytical Method:

Country of Origin: Brazil

Sampling Details:

Cefotaxime synergy test Not Available No		AM substance	Cefepime	Cefotaxim	Cefotaxime + Clavulanic acid	Cefoxitin	Ceftazidim	Ceftazidime + Clavulanic acid	Ertapenem	lmipenem	Мегорепет	Temocillin
Synergy test Not Available			Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Lowest limit 0.064 0.25 0.064 0.5 0.25 0.12 0.015 0.12 0.03 0.5			Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Highest limit 32 64 64 64 128 128 2 16 16 64 N of tested isolates 1 <td></td> <td>ECOFF</td> <td>0.125</td> <td>0.25</td> <td>8</td> <td>8</td> <td>0.5</td> <td>16</td> <td>0.06</td> <td>0.5</td> <td>0.125</td> <td>8</td>		ECOFF	0.125	0.25	8	8	0.5	16	0.06	0.5	0.125	8
Nof tested		Lowest limit	0.064	0.25	0.064	0.5	0.25	0.12	0.015	0.12	0.03	0.5
Solates 1		Highest limit	32	64	64	64	128	128	2	16	16	64
MIC isolates 1 1 0			1	1	1	1	1	1	1	1	1	1
<=0.03 <=0.064 1 <=0.12 0.25 1 1	МІС			1	0	0	1	0	0	0	0	0
<=0.064 1	<=0.015								1			
<=0.12 1 0.25 1	<=0.03										1	
0.25	<=0.064				1							
	<=0.12							1				
	0.25									1		
4	4					1						
8 1							1					1
>32 1			1									
>64 1	>64			1								

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

Sampling Stage: Border inspection activities

Sampling Type: food sample

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER ESBL MON

Analytical Method:

Country of Origin: Brazil

Sampling Details:

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

Table Antimicrobial susceptibility testing of Escherichia coli, non-pathogenic, unspecified in Vegetables - pre-cut - ready-to-eat

Sampling Stage: Retail

Sampling Type: food sample

Sampling Context: Surveillance

Sampler: Official sampling

Sampling Strategy: Objective sampling

Programme Code: OTHER ESBL MON

Analytical Method:

Country of Origin: Unknown

Sampling Details:

	AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
	ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
	N of tested isolates	92	92	92	92	92	92	92	92	92	92	92	92	92	92
МІС	N of resistant isolates	5	1	0	0	1	1	1	0	0	1	4	5	0	4
<=0.015							56								
<=0.03										91					
0.03							34								
0.064							1			1					
<=0.25				92										81	24
0.25							1								
<=0.5					92				36						
0.5														11	55
<=1								91							
1									46						9
<=2			7										70		
2		22							10						
<=4											90				
4		60	33					1					15		
<=8		-	40			82					4	7			
8		5	48								1		2		
16 32			3			9						39			
>32			1									34			4
64		1										8			4
>64		4										0	5		
<u> </u>		4											<u> </u>		

	AM substance	Ampicillin	Azithromycin	Cefotaxim	Ceftazidim	Chloramphenicol	Ciprofloxacin	Colistin	Gentamicin	Meropenem	Nalidixic acid	Sulfamethoxazole	Tetracycline	Tigecycline	Trimethoprim
	ECOFF	8	16	0.25	0.5	16	0.064	2	2	0.125	16	64	8	1	2
	Lowest limit	1	2	0.25	0.5	8	0.015	1	0.5	0.03	4	8	2	0.25	0.25
	Highest limit	64	64	4	8	128	8	16	32	16	128	1024	64	8	32
	N of tested isolates	92	92	92	92	92	92	92	92	92	92	92	92	92	92
MIC	N of resistant isolates	5	1	0	0	1	1	1	0	0	1	4	5	0	4
128											1				
>128	·					1									
>1024												4			

OTHER ANTIMICROBIAL RESISTANCE TABLES

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

Sampling Stage: Retail Sampling Type: food sample - meat Sampling Context: Surveillance

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

Analytical Method:

Country Of Origin: European Union

Sampling Details:

	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
MIC	Highest limit	64	128	16	32	128	1024	64	64	64	128	4	128
0.12												1	
0.25				1								5	
<=0.8	5	1								9			
0.5												3	
<=1						3					2		1
1		3		3				1					
2		5		3	5			7					3
4				2	4		-	1	1				5
<=8							6						
8			6						2		1		
16			1				3		6				
64			1								2		
128			1								2		
>128						6					2		

Table Antimicrobial susceptibility testing of Enterococcus, pathogenic - E. faecalis in Meat from broilers (Gallus gallus) - fresh - chilled

Sampling Stage: Retail Sampling Type: food sample - meat Sampling Context: Surveillance

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

Analytical Method:

Country Of Origin: European Union

Sampling Details:

	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	11	0.03	1
MIC	Highest limit	64	128	16	32	128	1024	64	64	64	128	4	128
0.12												15	
<=0.					1								
0.25												42	
<=0.	5	5								61			
0.5				5	1							5	
<=1						19					18		27
_1		33		31	5			4		1			
2		23		22	33	9		53	1				19
<=4			1										
4		1		2	17	6		5	1				16
<=8			5 0	,	_	,	25		22				
8			52	1 1	5	1 1			29				
16			8	11		1	33		30		_		
32						1	4		1		5		
64 128			1						1		16 22		
>128)		1			25					22 1		
>128)					25							

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

Sampling Stage: Retail Sampling Type: food sample - meat Sampling Context: Surveillance

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

Analytical Method:

Country Of Origin: European Union

Sampling Details:

	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
MIC	Highest limit	64	128	16	32	128	1024	64	64	64	128	4	128
0.25												2	
<=0.5	5	1								3			
0.5												1	
<=1						1							3
_1		1							1				
2								1					
4				2	2			2	2				
<=8							2						
8			2	1	1	2							
32			1				1						
64		1									1		
128											1		
>128											1		

Table Antimicrobial susceptibility testing of Enterococcus, pathogenic - E. faecium in Meat from broilers (Gallus gallus) - fresh - chilled

Sampling Stage: Retail Sampling Type: food sample - meat Sampling Context: Surveillance

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

Analytical Method:

Country Of Origin: European Union

Sampling Details:

	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
МІС	Highest limit	64	128	16	32	128	1024	64	64	64	128	4	128
<=0.												2	
0.06												2	
0.12												52	
0.25				9								32	
<=0.	5	13							6	87			
0.5				11	2							1	
<=1						16					68		58
1		33		9	3			1	24	2			
2		31		22	10	9		49	5				24
<=4			24										
4		6		17	50	17		39	46				7
<=8							67		-				
8		3	44	18	23	20			8				
16			19	3	1	10	20						
32			1			3	2				1		
64			1			1					5		
>64		3									45		
128	\ .					2					15		
>128	5					11							

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	Units Tested	Units Positive
OTHER CARBA MON	Cattle (bovine animals) - dairy cows	Escherichia coli, non- pathogenic, unspecified	Objective sampling	Farm	N_A	Monitorin g - active	Official samplin g	animal sample - faeces	animal	Netherlands	CPE culture and RT-PCR performed	301	0
	Cattle (bovine animals) - meat productio n animals - calves (under 1 year)	Escherichia coli, non- pathogenic, unspecified	Objective sampling	Slaughte rhouse	N_A	Monitorin g - active	Official samplin g	animal sample - caecum	animal	Netherlands	CPE culture and RT-PCR performed	303	0
	Gallus gallus (fowl) - broilers	Escherichia coli, non- pathogenic, unspecified	Objective sampling	Slaughte rhouse	N_A	Monitorin g - EFSA specificat ions	Official samplin g	animal sample - caecum	animal	Netherlands	CPE culture and RT-PCR performed	301	0
	Pigs - fattening pigs	Escherichia coli, non- pathogenic, unspecified	Objective sampling	Slaughte rhouse	N_A	Monitorin g - active	Official samplin g	animal sample - caecum	animal	Netherlands	CPE culture and RT-PCR performed	301	0

Total

Total

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 ESBL MON	Fruits and vegetabl es - pre- cut - ready-to- eat	Escherichia coli, non- pathogenic, unspecified	Objective sampling	Retail	N_A	Monitorin g	Official samplin g	food sample	single (food/feed)	European Union	MRHH 18134_maaltijdsala des	261	0
	Meat from pig - fresh	Escherichia coli, non- pathogenic, unspecified	Objective sampling	Retail	N_A	Monitorin g	Official samplin g	food sample - meat	single (food/feed)	European Union	MRHH 18103_vlees varken	314	0
	Spices and herbs - fresh	Escherichia coli, non- pathogenic, unspecified	Objective sampling	Border inspectio n activities	n=5	Monitorin g	Official samplin g	food sample	single (food/feed)	Unknown	MRHH 18P06_Verse kruiden van Afrika M-O, z-o Europa,Azië	64	0
	Vegetabl es - pre- cut - ready-to- eat	Escherichia coli, non- pathogenic, unspecified	Objective sampling	Retail	N_A	Monitorin g	Official samplin g	food sample	single (food/feed)	European Union	MRHH 18133_groente RTE	1,109	0



Latest Transmission set

Last submitted

Table Name	transmission date
Antimicrobial Resistance	26-Nov-2019
Esbl	06-Aug-2019
Animal Population	06-Aug-2019
Disease Status	06-Aug-2019
Prevalence	27-Nov-2019

Write text here please
Short description of the institutions and laboratories involved in data collection and reporting
Animal nanulation
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)
4. Coograpment distribution and Size distribution of the heres, hooks and hereings
Write text here please
F. Additional information
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

Institutions and Laboratories involved in zoonoses monitoring and reporting

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 BioVeterinairy 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 caecal 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 2018 a clear reduction in antibiotic use was only observed in turkeys, use in pigs and veal calves, dairy cows and pigs and showed a small reduction and use in broiler showed an increase (26.3%). The, substantial, increase in broiler could be due to an underestimation of animals, if individual farm figures are used, DDDA_F, the increase in use is lower (2.9%)

The use of antibiotics of critical importance to human health care (especially cephalosporins of 3rd and 4th generation) remains to be very minimal. (Netherlands Veterinary Medicines Institute (SDa))

Among indicator E. coli from animals and meat, resistance levels to ampicillin, tetracycline, sulfamethoxazole and trimethoprim were still relatively high in broilers, pigs, (white) veal calves and chicken and turkey meat.

Resistance levels in indicator E. coli from caecal samples showed a tendency to stabilise (or increase for ampicillin) in broilers and veal calves and to slightly decrease in pigs. In dairy cattle the resistance proportions remained at a constant low level.

Resistance proportions in E. coli from turkey meat were substantially higher than in chicken meat.

The proportion of E. coli isolates resistant to extended spectrum cephalosporins was very low in faecal samples from broilers, pigs, dairy cattle and veal calves.

Resistance to fluoroquinolones was at the same level as in 2017, and was still commonly present in indicator E. coli from caecal samples of broilers and meat thereof.

For almost all antibiotics tested, levels of resistance in E. coli from caecal samples of rosé veal calves were substantially lower than those from white veal calves.

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. 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

- (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.:

Slaughter: Bovine: No isolates Pig:

29 isolates from NVWA verification 2073 at slaugther

Poultry:

37 boiler isolates from NVWA verification 2073 neck skin at slaugther

7 broiler ceacal isolates from primary production

15 layer isolates from primary production

Voluntary:

From all human *Salmonella* isolates sent to the EURL-SALM (RIVM) by regional public health and other clinical laboratories a selection of 1141 isolates was sent to WBVR for susceptibility testing. These strains were the first isolates recovered from patients with salmonellosisAlso, 577 isolates from other sources were tested. These were isolates from pigs (N = 49) and cattle (N = 50) mainly sent to the RIVM by the Animal Health Service in Deventer from a diversity of surveillance programs and clinical Salmonella infections in animals. Also, isolates from broilers (N = 29) and layers (N = 29) were tested, which were mainly nonclinical Salmonella isolates derived from a diversity of monitoring programs on farms, slaughterhouses and at retail. Furthermore, there were isolates from a diversity of other sources (N = 290) from animal feed and food products, and other animals from animal husbandry (e.g. sheep, goats).

In addition, NVWA tested 62 Salmonella isolates obtained from raw meats (mainly poultry), spices, herbs and seafood. Furthermore, 37 isolates were included, from (EC/2073.2005) verification projects, from broiler neck skins and 29 carcass swabs from slaughter pigs.

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:

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 poultry meat samples from retail and vegetables. 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, vegetables, imported frozen fish and shrimp from aquaculture, fresh herbs (wholesale and import) 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 poultry 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 6 slaughterhouses with the largest slaughter volume in 2017

The amount of samples taken at each slaughterhouse is proportional to slaughter volume of Dutch animals at the specific slaughterhouse (2017) 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 (2017) 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 15 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 (2017) 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.

Dairy cows:

300 Feacal samples were taken from 300 randomly selected dairy farms. The selection was done by inspectors.

Food samples

All sampling was performed randomly from retail shops across the country and spread over 2018. Product sampled

No specific stratification was done, inspectors went 'shopping' at all retail outlets where the specific type of food, mostly meat but other products from different projects as well, are sold. Samples were used for analysis of prevalence for different pathogens and /or "AMR" isolates (indicator E. coli, Enterococci and specific analysis of ESBL, AmpC and CP producing E. coli.

In imported fish and shrimp produced in aquaculture analysis for ESBL, AmpC and CP producing Enterobacteriaceae. This sampling was performed at BIP (Rotterdam).

Some sampling was performed at wholesale or BIP. This is reported accordingly.

3. Randomisation procedure per animal population and food category

Pigs at slaughter:

Ceacal samples of Dutch reared animals were taken randomly from the selected herd by inspectors at the 5 selected slaughterhouses and send to WBVR for isolation of Campylobacter, indicator E. coli and for specific monitoring of ESBL, AmpC and carbapenemase producing E. coli. All ceacal samples were screened for CP and *mcr*(complex) with RT PCR.

Calves at slaughter

Ceacal samples of Dutch reared animals were taken randomly from the selected herd by inspectors at the 4 selected slaughterhouses and send to WBVR for isolation of Campylobacter, indicator E. coli and for specific monitoring of ESBL, AmpC and carbapenemase producing E. coli.

All ceacal samples were screened for CP and mcr(complex) with RT PCR.

Poultry (broiler) at slaughter:

Ceacal samples of Dutch reared animals were taken randomly from the selected herd by inspectors at the 15 selected slaughterhouses and send to WBVR for isolation of Campylobacter, indicator E. coli and for specific monitoring of ESBL, AmpC and carbapenemase producing E. coli.

All ceacal samples were screened for CP and *mcr*(complex) with RT PCR.

Dairy cows at farm:

Farm where sampling was performed were selected by a team of inspectors spread around the country. No further stratification or randomisation was done. All dairy farm in NL have an equal chance to be visited and sampled. All farm were only visited once.

Food samples from retail:

No special randomisation procedures were applied. Teams of inspectors are spread over the country and the inspectors themselves are responsible for selecting the outlets to do sampling of different types of meat or other food products. Retail shops are visited once a year at maximum for this "random" sampling in the different food projects.

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 (2018 data to be published in July 2019)

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