



2017 Monitoring Exercise

Ángela Bolufer de Gea

EURL-AR workshop 2017

6 April 2017

Health and
Food Safety

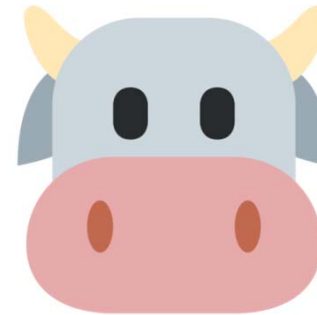
AMR monitoring 2017

PIGS, BOVINES UNDER 1 YEAR OF AGE, PIG MEAT AND BOVINE MEAT



> 100 000 tonnes of pig meat
slaughtered per year:
AT, BE, CZ, DE, DK, EL, ES, FI, FR, HU,
IE, IT, NL, PL, PT, RO, SE, UK

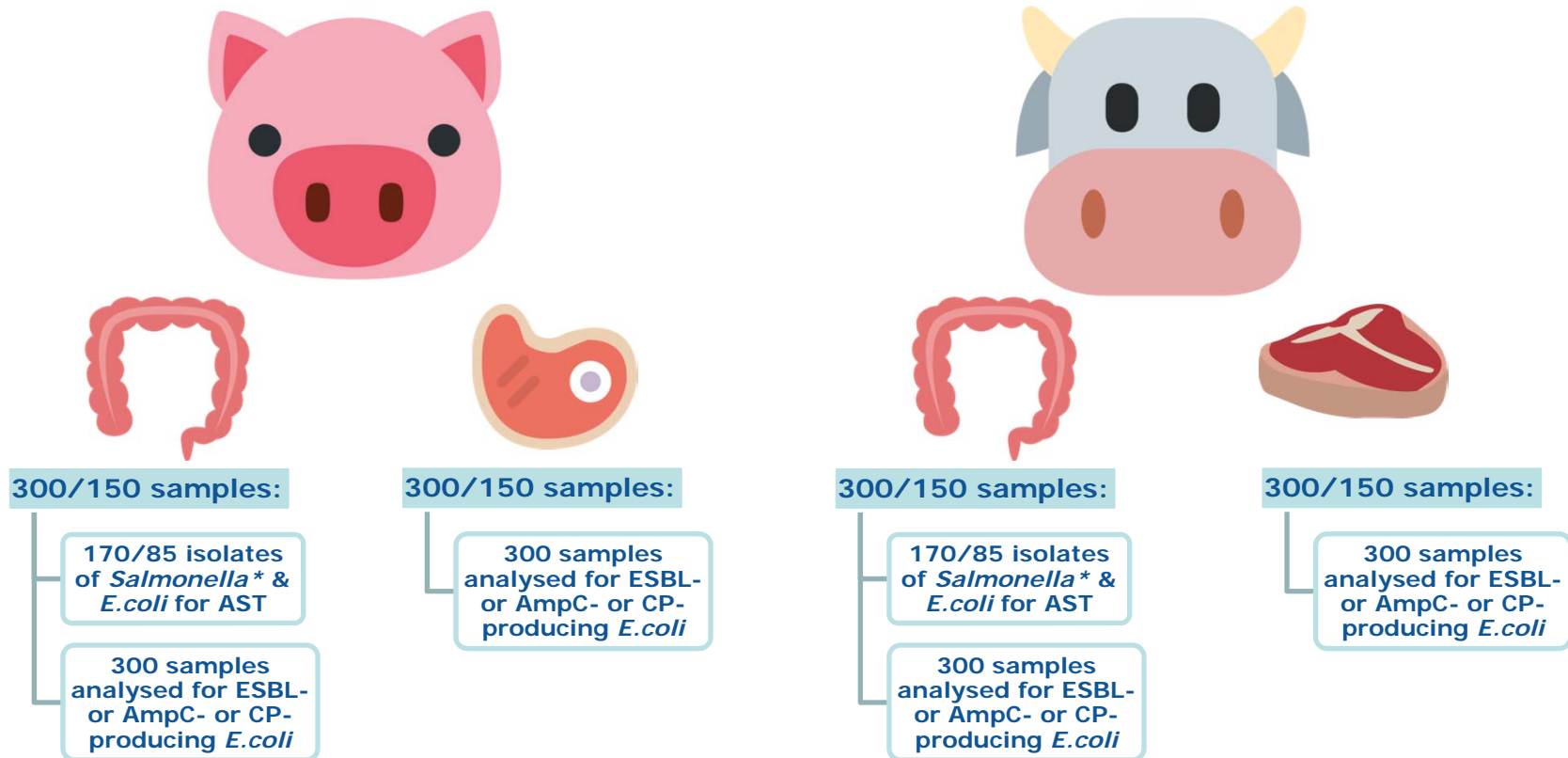
< 100 000 tonnes of pig meat
slaughtered per year:
BG, CY, EE, HR, LT, LU, LV, MT, SI, SK



> 10 000 tonnes of bovine of under
one year meat slaughtered per year:
BE, DE, DK, ES, FR, IT, NL, PT

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PIGS, BOVINES UNDER 1 YEAR OF AGE, PIG MEAT AND BOVINE MEAT





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AMR monitoring 2017 GRANT DECISIONS

AMR MONITORING 2017: TECHNICAL REPORT

PIGS

PIGS (Part 1)	(A) Caecal sampling	(B) Sampling at retail level (Meat samples)	(C) Commensal <i>E. coli</i> isolates from caecal samples	(D) <i>Salmonella</i> serotyping	(E) AST <i>Salmonella E. coli</i> (Table 1) ¹	(F) AST Characterisation/ classification of resistant isolates <i>Salmonella E. coli</i> (Table 4) ²
Row I: Maximum number of samples tests reimbursable for PIGS, as specified in Annex II of this grant Decision						
Row II: Number of samples tests carried out for PIGS in 2017 in accordance with Commission Implementing Decision 2013/652/EU						
If the numbers of samples tests carried-out in 2017 differs from the ones specified in Annex II, please provide a justification for each of this discrepancy						

¹ AST performed for isolates of commensal *E. coli*, *Salmonella*, ESBL/AmpC-producing *E. coli* and CP-producing *E. coli*
² AST performed for resistant isolates of commensal *E. coli*, *Salmonella*, ESBL/AmpC-producing *E. coli* and CP-producing *E. coli*



AMR MONITORING 2017: TECHNICAL REPORT

PIGS (Part 2)	(G) Isolation ESBL/AmpC ³ producing <i>E. coli</i> from caecal samples	(H) Isolation ESBL/AmpC ³ producing <i>E. coli</i> from meat samples	(I) Verification, identification and storage of isolates of ESBL/AmpC ³ producing <i>E. coli</i> from caecal and meat samples	(J) Isolation CP ⁴ producing <i>E. coli</i> from caecal samples	(K) Isolation CP ⁴ producing <i>E. coli</i> from meat samples	(L) Verification, identification and storage of isolates of CP ⁴ producing <i>E. coli</i> from caecal and meat samples
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Row II: Number of samples tests carried out for PIGS in 2017 in accordance with Commission Implementing Decision 2013/652/EU						
If the numbers of samples tests carried-out in 2017 differs from the ones specified in Annex II, please provide a justification for each of this discrepancy						

³ Extended-spectrum β -lactamases (ESBLs), AmpC β -lactamases
⁴ Carbapenemases

AMR MONITORING 2017: TECHNICAL REPORT

BOVINES

BOVINES (Part 1)	(A) Caecal sampling	(B) Sampling at retail level (Meat samples)	(C) Commensal <i>E. coli</i> isolates from caecal samples	(D) <i>Salmonella</i> serotyping	(E) AST <i>Salmonella E. coli</i> (Table 1) ¹	(F) AST Characterisation/ classification of resistant isolates <i>Salmonella E. coli</i> (Table 4) ²
Row I: Maximum number of samples tests reimbursable for PIGS, as specified in Annex II of this grant Decision						
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If the numbers of samples tests carried-out in 2017 differs from the ones specified in Annex II, please provide a justification for each of this discrepancy						

¹ AST performed for isolates of commensal *E. coli*, *Salmonella*, ESBL/AmpC-producing *E. coli* and CP-producing *E. coli*
² AST performed for resistant isolates of commensal *E. coli*, *Salmonella*, ESBL/AmpC-producing *E. coli* and CP-producing *E. coli*



AMR MONITORING 2017: TECHNICAL REPORT

BOVINES (Part 2)	(G) Isolation ESBL/AmpC ³ producing <i>E. coli</i> from caecal samples	(H) Isolation ESBL/AmpC ³ producing <i>E. coli</i> from meat samples	(I) Verification, identification and storage of isolates of ESBL/AmpC ³ producing <i>E. coli</i> from caecal and meat samples	(J) Isolation CP ⁴ producing <i>E. coli</i> from caecal samples	(K) Isolation CP ⁴ producing <i>E. coli</i> from meat samples	(L) Verification, identification and storage of isolates of CP ⁴ producing <i>E. coli</i> from caecal and meat samples
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Name, position:
Date and signature:

³ Extended-spectrum β -lactamases (ESBLs), AmpC β -lactamases
⁴ Carbapenemases



AMR monitoring 2017 SAMPLING AND TESTS

(A) Caecal sampling

(B) Sampling at retail level (meat samples)

(C) Commensal *E. coli* isolation from caecal samples

(D) *Salmonella* serotyping

(E) AST *Salmonella*/*E. coli* (Table 1)

(F) AST characterisation / classification of resistant isolates of *Salmonella* /*E. coli* (Table 4)



AST performed for isolates of *Salmonella*, commensal *E. coli*, ESBL/AmpC producing *E. coli* & CP producing *E. coli*



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SAMPLING AND TESTS

(G) Isolation ESBL/AmpC producing *E.coli* from caecal samples

(H) Isolation ESBL/AmpC producing *E.coli* from meat samples

(I) Verification and storage of isolates of ESBL/AmpC producing *E.coli* from caecal and meat samples

(J) Isolation CP producing *E.coli* from caecal samples

(K) Isolation CP producing *E.coli* from meat samples

(L) Verification and storage of isolates of CP producing *E.coli* from caecal and meat samples



Voluntary



AMR monitoring 2017 REIMBURSEMENT CEILINGS

(A) Caecal sampling	10€	2013 questionnaire
(B) Sampling at retail level (meat samples)	10€	
(C) Commensal <i>E. coli</i> isolation from caecal samples	11€	
(D) <i>Salmonella</i> serotyping	22€	
(E) AST <i>Salmonella</i> / <i>E. coli</i> (Table 1)	15€	
(F) AST characterisation / classification of resistant isolates of <i>Salmonella</i> / <i>E. coli</i> (Table 4)	17.5€	



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SAMPLING AND TESTS

(G) Isolation ESBL/AmpC producing <i>E.coli</i> from caecal samples	9.5€	2014 questionnaire
(H) Isolation ESBL/AmpC producing <i>E.coli</i> from meat samples	9.5€	
(I) Verification and storage of isolates of ESBL/AmpC producing <i>E.coli</i> from caecal and meat samples	18.5€	
(J) Isolation CP producing <i>E.coli</i> from caecal samples	8.5€	2015 questionnaire
(K) Isolation CP producing <i>E.coli</i> from meat samples	8.5€	
(L) Verification and storage of isolates of CP producing <i>E.coli</i> from caecal and meat samples	18.5€	



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PROBLEMS ENCOUNTERED IN PREVIOUS YEARS

TEMPLATES

- Tests reported in Annex IV (financial report) & V (technical report) differ

SAMPLING COSTS

- Report actual costs (staff + consumables) instead of 'collection costs'. Timesheets need to be maintained to justify staff costs.
- The following are not reimbursed:
 - Fuel / Drivers
 - Transport by mail / Cost of refrigerator for transport
 - Hotel overnights
 - Meat cost at retail

LABORATORY COSTS

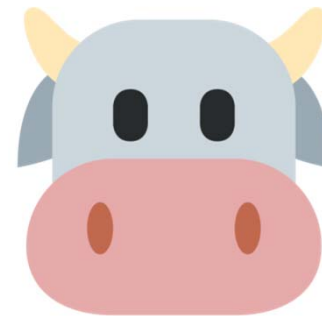
- The following are not reimbursed:
 - Depreciation of materials
 - Housing offices
 - Cost of IT personnel
- For private laboratories, overheads are not included



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Thank you



Questions?