



Proficiency testing for veterinary laboratories

Distribution Date: 07/04/2020

Results tabulation for 14141/BA PT0087: Salmonella in animal feed

| Culture | 20/1298 | 20/1299 | 20/1300 | 20/1301 | 20/1302 |
|----------|--|--|-----------------------|--|---|
| | Salmonella Group/Type | Salmonella Group/Type | Salmonella Group/Type | Salmonella Group/Type | Salmonella Group/Type |
| Intended | Citrobacter youngae + Escherichia coli | Salmonella Enteritidis (approx. 130,000 cfu per vial) + Escherichia coli | Citrobacter youngae | Salmonella Enteritidis (approx. 100,000 cfu per vial) + Pseudomonas aeruginosa | Citrobacter youngae+ Pseudomonas aeruginosa |
| | Negative | Group D | Negative | Group D | Negative |
| 1133 | Negative | Group D | Negative | Group D | Negative |
| 1143 | Negative | Group D | Negative | Group D | Negative |
| 1278 | Not Detected | Detected | Not Detected | Detected | Not Detected |
| 1388 | Detected | Detected | Detected | Detected | Detected |
| 1546 | Absent | Present | Absent | Present | Absent |
| 2396 | Not Detected | DETECTED | Not Detected | DETECTED O3/O10 | Not Detected |
| 2664 | Not Detected | Detected | Not Detected | Detected | Not Detected |
| 2897 | Nil return | | | | |
| 3010 | Nil return | | | | |

Intended results were determined using Rappaport Broth.

Comments provided by Michael Elliott, APHA Newcastle

Sample 20/1298 *Citrobacter youngae* & *Escherichia coli* - Negative

All labs that returned results correctly reported the absence of Salmonella in this sample, with the exception of Lab 1388, who reported that they had detected Salmonella in the sample.

Sample 20/1299 *Salmonella Enteritidis* & *Escherichia coli* - Positive Group D

All labs returning results correctly identified the presence of a Salmonella species in this sample. Labs that recorded a serotype result also correctly identified the isolate as a Group D.

Sample 20/1300 *Citrobacter youngae* - Negative

All labs that returned results correctly reported the absence of Salmonella in this sample, with the exception of Lab 1388, who reported that they had detected Salmonella in the sample.

Sample 20/1301 *Salmonella Enteritidis* & *Pseudomonas aeruginosa* - Positive Group D

All labs returning results correctly identified the presence of a Salmonella species in this sample. Labs that recorded a serotype result also correctly identified the isolate as a Group D, with the exception of Lab 2396, who recorded a serotype result of O3/O10, which is indicative of a Group E Salmonella.

Sample 20/1302 *Citrobacter youngae* & *Pseudomonas aeruginosa* - Negative

All labs that returned results correctly reported the absence of Salmonella in this sample, with the exception of Lab 1388, who reported that they had detected Salmonella in the sample.

Lab 1388 appeared to have detected Salmonella from all five samples. This may have been an administrative error on their part or it could be indicative of a cross contamination issue within their lab.

There were three Nil Returns, from Labs 1387, 2897 and 3010.



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