


Results tabulation for 15262/BA PT0087: Salmonella in animal feed
Distribution Date: 03/01/2023

| Culture | 23/1066 | 23/1067 | 23/1068 | 23/1069 | 23/1070 |
|----------|-----------------------|--|--|--|-----------------------|
| | Salmonella Group/Type | Salmonella Group/Type | Salmonella Group/Type | Salmonella Group/Type | Salmonella Group/Type |
| Intended | Citrobacter youngae | Salmonella Newport (approx 12,000 cfu per vial) + Citrobacter youngae + Escherichia coli | Citrobacter youngae + Escherichia coli | Salmonella Typhimurium (approx 1,800 cfu per vial) | Citrobacter youngae |
| | Negative | Group C | Negative | Group B | Negative |
| 1081 | Not Detected | S Newport (C) | Not Detected | B (O=4) (H=i) | Not Detected |
| 1127 | - Ve | Group C2 | - Ve | Group B | - Ve |
| 1133 | Negative | Group C | Negative | Group B | Negative |
| 1143 | -Ve | Group C | -Ve | Group B | -Ve |
| 1278 | Not Detected | Detected | Not Detected | Detected | Not Detected |
| 1349 | Not Salmonella | Not Salmonella | Not Salmonella | Salmonella spp. | Not Salmonella |
| 1387 | neg | pos groep C2-C3 | neg | pos groep B | neg |
| 1388 | Not detected | Detected | Not detected | Detected | Not detected |
| 2027 | Not Salmonella | Salm. Newport | Not Salmonella | S. Typhimurium | Not Salmonella |
| 2118 | Not Detected | C | Not Detected | B | Not Detected |
| 2167 | -ve | S. Newport | -ve | S. Typhimurium | -ve |
| 2396 | Not Detected | Detected(06,07) | Not Detected | Detected(04) | Not Detected |
| 2664 | Not Detected | Detected | Not Detected | Group B | Not Detected |
| 3010 | Nil Return | | | | |

Intended results were determined using Rappaport Broth.

Comments provided by Anne Bollard, APHA

In this January 2023 distribution, five samples comprised of 3 negative (23/1066, 23/1068 and 23/1070) and two Salmonella positive samples (23/1067 and 23/1069).

Thirteen labs were registered to participate and all reported results.

Testing performance was very good with all results being fully correct for the accurate detection of Salmonella as intended, other than Lab 1349 reporting positive sample 23/1067 negative (Not Salmonella). Lab 1349 should investigate this anomaly and may wish to request a repeat sample from Vetqas@apha.gov.uk to help in the investigation.

A very high standard in performance applied to those labs testing for specific O antigens; serogroup and/or serotype identification in Salmonella positive samples 23/1067 Newport Group C/O6,7 and 23/1069 Typhimurium Group B/O4.

Lab 2664 noted their lab tests for only Group B and D in the comments field, and reported the serogroups correctly, accordingly.

Lab 2118 noted no vacuum in sample 23/1066. There is nothing noted to say Vetqas was contacted to request a repeat vial. Whenever there are any concerns to do with sample quality, please contact Vetqas for a repeat vial. Having a vacuum in the vial is a key part in preserving viability of the microorganisms in the sample, however sometimes there is a vacuum but is not evident such as when the sample has affixed to the vial and can also depend on what characteristics are used to determine the sample contents are within a vacuum.



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