


Results tabulation for 15571/BA PT0087: Salmonella in animal feed
Distribution Date: 03/10/2023

Culture	23/1683	23/1684	23/1685	23/1686	23/1687
	Salmonella Group/Type	Salmonella Group/Type	Salmonella Group/Type	Salmonella Group/Type	Salmonella Group/Type
Intended	Salmonella Kentucky (approx. 2,700 cfu per vial)	Salmonella Typhimurium (approx. 2,600 cfu per vial)	Escherichia coli + Pseudomonas aeruginosa	Salmonella Typhimurium (approx. 5,500 cfu per vial) + Escherichia coli + Citrobacter youngae	Salmonella Infantis (approx 33,00 cfu per vial)
	Group C	Group B	Negative	Group B	Group C
1002	Kentucky	Group B	Not detected	Group B	Infantis
1081	O=8 (C)	O=4 H=i (B)	Not Detected	O=4 H=i (B)	O=6,7 H=r (C)
1127	Group C2	Group B	Negative	Group B	Group C1
1133	Group C	Group B	Negative	Group B	Group C
1143	Group C	Group B	Negative	Group B	Group C
1278	Detected	Detected	Not Detected	Detected	Detected
2118	C	B	Not Detected	B	C
2167	S.Kentucky	S. Typhimurium	-ve	S. Typhimurium	S. Infantis
2396	Detected (08)	Detected (04)	Not Detected	Detected (04)	Detected
2664	Detected	Group B	Not Detected	Group B	Detected
3010	Nil Return				
3079	Unable To Test				

Intended results were determined using Rappaport Broth.

Comments provided by Anne Bollard, APHA

Twelve labs are registered to participate in this October distribution of PT0087 Salmonella in Animal Feed. Two labs didn't report results: Lab 3010 being a Nil Return (like July 2023) and Lab 3079 being Unable to Test.

In this distribution there were four positive Salmonella samples (comprising of Kentucky, Typhimurium and Infantis) and one negative sample.

All 10 labs returning results each reported a fully correct set of results with respect to Salmonella being detected or not.

Lab 2664 noted in the comments about how they serology test routinely for only Group B and D. This tallies with not having a serogroup result for the Kentucky O8 (serogroup C3) and Infantis O6,7 (serogroup C1) serotype isolates in samples 23/1683 and 23/1687, respectively.

Lab 2396 found the Salmonella growth from sample 23/1687 didn't produce specific agglutination (so reported 'Detected' without serogroup ID) whereas they were able to ID serogroup O8 with growth cultured from sample 23/1683. Lab 2396 should review the importance of this anomaly regarding real life situations and whether further investigation into finding the root cause and corrective action is necessary.

Meanwhile Lab 1278 reported positive results consistently as Salmonella detected or not which implies this being standard to their internal procedures.

In summary, other than noted above, all participating labs correctly reported the detection of Salmonella and where applicable identification to serogroup/serotype in this exercise.



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