



Proficiency testing for veterinary laboratories

Distribution Date: 04/08/2020

Results tabulation for 14258/BA PT0088: Salmonella in poultry

Culture	20/1608		20/1609		20/1610		20/1611		20/1612	
	Interpretation (+ve/-ve/IC)	Salmonella Group/Type	Interpretation (+ve/-ve/IC)	Salmonella Group/Type	Interpretation (+ve/-ve/IC)	Salmonella Group/Type	Interpretation (+ve/-ve/IC)	Salmonella Group/Type	Interpretation (+ve/-ve/IC)	Salmonella Group/Type
Intended	Salmonella Kentucky (approx. 200,000 cfu per vial) – Simulated 10 g faeces		Citrobacter youngae + Escherichia coli – Simulated 10 g carcass		Citrobacter youngae – Simulated boot swabs		Salmonella Senftenberg (>100,000 cfu per vial) – Simulated chick box liner		Citrobacter youngae + Escherichia coli – Simulated 10 g carcass	
	+ve	Group C	-ve	Negative	-ve	Negative	+ve	Group E	-ve	Negative
1002	+ve	Kentucky	-ve		-ve		+ve	Senftenberg	-ve	
1023	+ve		-ve		-ve		+ve		-ve	
1030	+ve	S.Hadar	-ve		-ve		+ve	S. Enteritidis	-ve	
1033	+ve	B/Kentucky	-ve		-ve		+ve	B/Senftenberg	-ve	
1067	+ve	S. Kentucky	-ve		-ve		+ve	S. Senftenberg	-ve	
1076	+ve	S. Kentucky	-ve		+ve	S. Kentucky	+ve	S. Senftenberg	-ve	
1081	+ve	GROUP C	-ve	Not Detected	-ve	Not Detected	+ve	S. Senftenberg	-ve	Not Detected
1089	+ve		-ve		-ve		+ve		-ve	
1114	+ve	S. Kentucky	-ve		-ve		+ve	S. senftenberg	-ve	
1115	+ve		-ve		-ve		+ve		-ve	
1121	+ve	S. Kentucky	-ve		-ve		+ve	S. Senftenberg	-ve	
1125	+ve		-ve		-ve		+ve		-ve	
1133	+ve	Group C	-ve	Negative	-ve	Negative	+ve	Group E	-ve	Negative
1143	+ve	Group C	-ve	Negative	-ve	Negative	+ve	Group E	-ve	Negative
1157	+ve	Salm. (Poly O)	-ve		-ve		+ve	Salm. (Poly O)	-ve	
1158	+ve	S. Kentucky	-ve	-	-ve	-	+ve	S. Senftenberg	-ve	-
1161	+ve		-ve		-ve		+ve		-ve	
1198	+ve	Group C2	-ve		-ve		+ve	Group E4	-ve	
1217	+ve	O:8 (c2-c3)	-ve		-ve		+ve	O:1,3,19 (E4)	-ve	
1235	+ve		-ve		-ve		+ve		-ve	
1246	+ve		+ve		-ve		+ve		-ve	
1261	+ve	Group C3	-ve		-ve		+ve	Group E4	-ve	
1318	+ve	Group: C	-ve	Negative	-ve	Negative	+ve	Group: E	-ve	Negative
1382	Nil Return									
1387	+ve	C2-3	-ve		-ve		+ve	B/D/C neg	-ve	
1436	+ve	O:8	-ve		-ve		+ve	S.Senftenberg	-ve	
1521	+ve		+ve		+ve		+ve		-ve	
1559	+ve	S. group C	-ve		-ve		+ve	S. Senftenberg	-ve	
1626	+ve		-ve		-ve		+ve		-ve	
1641	+ve	C	-ve		-ve		+ve	E	-ve	
1647	+ve	ext serotyping	-ve		-ve		+ve	ext serotyping	-ve	
1648	+ve	GROUP C2	+ve	GROUP C2	+ve	GROUP C2	+ve	GROUP E	+ve	GROUP C2
1654	+ve	Group C	-ve		-ve		+ve	Group E/G	-ve	
1669	+ve	S. Kentucky	-ve		-ve		+ve	S. Senftenberg	-ve	
1700	+ve	S.Kentucky	-ve		-ve		+ve	S Senftenberg	-ve	
1770	+ve	Group C	-ve		-ve		+ve	Group E	-ve	
1812	+ve	Kentucky	-ve		-ve		+ve	Senftenberg	-ve	
1853	+ve	S. Molade	-ve		-ve		+ve	S. Senftenberg	-ve	
1884	+ve		-ve		-ve		+ve		-ve	
1894	+ve		-ve		-ve		+ve		-ve	
1905	+ve		-ve		-ve		+ve		-ve	
1919	+ve	C3 /S.Kentucky	-ve		-ve		+ve	E4/S.Dessau	-ve	

Culture	20/1608		20/1609		20/1610		20/1611		20/1612	
	Interpretation (+ve/-ve/IC)	Salmonella Group/Type	Interpretation (+ve/-ve/IC)	Salmonella Group/Type	Interpretation (+ve/-ve/IC)	Salmonella Group/Type	Interpretation (+ve/-ve/IC)	Salmonella Group/Type	Interpretation (+ve/-ve/IC)	Salmonella Group/Type
Intended	Salmonella Kentucky (approx. 200,000 cfu per vial) – Simulated 10 g faeces		Citrobacter youngae + Escherichia coli – Simulated 10 g carcass		Citrobacter youngae – Simulated boot swabs		Salmonella Senftenberg (>100,000 cfu per vial) – Simulated chick box liner		Citrobacter youngae + Escherichia coli – Simulated 10 g carcass	
	+ve	Group C	-ve	Negative	-ve	Negative	+ve	Group E	-ve	Negative
1944	+ve	Group C 07	-ve		-ve		+ve	Group E	-ve	
1947	+ve	C2-C3 External	-ve		-ve		+ve	Senftenberg	-ve	
1980	+ve	S.Kentucky	-ve		-ve		+ve	S.Senftenberg	-ve	
2011	+ve		-ve		-ve		+ve		-ve	
2021	+ve	Salmonella spp	-ve		-ve		+ve	Salmonella spp	-ve	
2053	+ve	Salmonella spp	-ve		-ve		+ve	Salmonella spp	-ve	
2096	Nil Return									
2098	-ve	Not Salmonella	+ve	C3 Kentucky	-ve	Not Salmonella	+ve	GpE Senftenberg	-ve	Not Salmonella
2111	+ve	S. Kentucky	-ve		-ve		+ve	S. Senftenberg	-ve	
2112	+ve	C	-ve		-ve		+ve	E	-ve	
2143	+ve	S. Kentucky	-ve		-ve		+ve	S. Senftenberg	-ve	
2167	+ve	S. Kentucky	-ve		-ve		+ve	S. Senftenberg	-ve	
2204	+ve		-ve		-ve		+ve		-ve	
2212	+ve	salmonella spp.	-ve		-ve		+ve	salmonella spp.	-ve	
2229	+ve	Other	-ve		-ve		+ve	Other	-ve	
2240	+ve		-ve		-ve		+ve		-ve	
2274	+ve		-ve		-ve		+ve		-ve	
2356	+ve		-ve		-ve		+ve		-ve	
2412	+ve	Salmonella spp	-ve		-ve		+ve	Salmonella spp	-ve	
2426	+ve		-ve		-ve		+ve		-ve	
2472	+ve	S. Hadar	-ve		-ve		+ve		-ve	
2532	+ve	Salmonella spp.	-ve		-ve		+ve	Salmonella spp.	-ve	
2552	+ve		-ve		-ve		+ve		-ve	
2573	+ve		-ve		-ve		+ve		-ve	
2578	+ve	C2	-ve		-ve		+ve	B-C-D negative	-ve	
2670	+ve	Group C3	-ve		+ve	Group C1	+ve	Salmonella sp.	-ve	
2672	+ve	Group C	-ve		-ve		+ve	Group E	-ve	
2762	+ve		-ve		-ve		+ve		-ve	
2767	+ve	Group C	-ve		-ve		+ve	Group E/G	-ve	
2897	Nil Return									
3081	+ve	salmonella spp	-ve		+ve	salmonella spp	+ve	salmonella spp	+ve	salmonella spp
3205	+ve		-ve		-ve		+ve	Group E	-ve	
3361	+ve	Group C2	-ve		-ve		+ve	Group E4	-ve	

Intended results were determined using BPW into MSRV agar.

Sample 20/1609 = 20/1612

Comments provided by Michael Elliott, APHA Newcastle

Sample 20/1608 - Salmonella Kentucky (Simulated 10 g faeces) - Positive Salmonella

Labs 1030, 1853 & 2472 isolated Salmonella within the sample and provided serotyping results as Group C, however they had incorrectly reported the serotype as either S.Hadar or S.Molade. Lab 2098 did not recover a Salmonella from this sample.

All other labs who submitted results, correctly reported the presence of a Salmonella species and where provided, gave the correct serotype result.

Sample 20/1609 - Citrobacter youngae & Escherichia coli (Simulated 10 g carcass) - Negative Salmonella

Labs 1246, 1521, 1648 & 2098 incorrectly reported the presence of Salmonella in this sample. All other labs who submitted results, correctly reported the absence of Salmonella in this sample.

Sample 20/1610 - Citrobacter youngae (Simulated boot swabs) - Negative Salmonella

Labs 1076, 1521, 1648, 2670 & 3081 incorrectly reported the presence of Salmonella in this sample.

All other labs who submitted results, correctly reported the absence of Salmonella in this sample.

Sample 20/1611 - Salmonella Senftenberg (Simulated chick box liner) - Positive Salmonella

Lab 1919 isolated Salmonella within the sample and provided serotyping results as Group E, however they had incorrectly reported the serotype as S.Dessau.

Lab 1030 isolated Salmonella within the sample, however they incorrectly reported it as S.Enteritidis.

All other labs who submitted results correctly reported the presence of a Salmonella species and where provided, gave the correct serotype result.

Sample 20/1612 - Citrobacter youngae & Escherichia coli (Simulated 10 g carcass) - Negative Salmonella

Labs 1648 & 3081 incorrectly reported the presence of Salmonella in this sample.

All other labs who submitted results, correctly reported the absence of Salmonella in this sample.

There were 3 Nil Returns from labs 1382, 2096 & 2897.

Vetqas comment: Participants in this distribution were from countries including South Africa, Italy, Serbia, The Netherlands, Portugal, UK, Turkey, Canada, Belgium, Eire, Germany, Chile, USA, Thailand, Spain, Greece, Malaysia, Brazil, Morocco and Australia.



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