



Proficiency testing for veterinary laboratories

Distribution Date: 04/11/2014

Results tabulation for 11749/BA PT0088: Salmonella in poultry

Culture	14/1916		14/1917		14/1918		14/1919		14/1920	
	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	Escherichia coli + Pseudomonas aeruginosa		Salmonella Typhimurium (approx 15000 cfu per vial) + Pseudomonas aeruginosa		Proteus mirabilis		Salmonella Typhimurium monophasic (approx 5700 cfu per vial)		Salmonella Enteritidis (approx 130 cfu per vial)	
	-ve	Negative	+ve	Group B	-ve	Negative	+ve	Group B	+ve	Group D
1002	-ve		+ve	Typhimurium	-ve		+ve	B:4,12:i-	+ve	Enteritidis
1030	-ve		+ve	B/S.typhimurium	-ve		+ve	B/S.typhimurium	+ve	D/S.enteritidis
1056	-ve	-	+ve	B/Typhimurium	-ve	-	+ve	B/Typhimurium	+ve	D/Enteritidis
1076	-ve		+ve	S. typhimurium	-ve		+ve	S. typhimurium	+ve	S. enteritidis
1089	-ve		+ve		-ve		+ve		+ve	
1114	-ve		+ve	Group O:4 (B)	-ve		+ve	Group O:4 (B)	+ve	Group O:9 (D1)
1115	-ve		+ve		-ve		+ve		+ve	
1125	-ve		+ve	S. Typhimurium	-ve		+ve	S. 4,12:i-	+ve	S. Enteritidis
1127	-ve		+ve	S.typhimurium	-ve		+ve	S.typhimurium	+ve	S.enteritidis
1133	-ve		+ve	B O4	-ve		+ve	B O4	+ve	D O9
1143	-ve	Negative	+ve	Group B	-ve	Negative	+ve	Group B	+ve	Group D
1156	-ve		+ve		-ve		+ve		+ve	
1157	-ve		+ve	Salm. (Gp.B)	-ve		+ve	Salm. (Gp.B)	+ve	Salm. (Gp.D)
1158	-ve	-	+ve	S. Typhimurium	-ve	-	+ve	S.T.monofasisch	+ve	S. Enteritidis
1198	-ve		+ve	Group B	-ve		+ve	Group B	+ve	Group D
1217	-ve		+ve	O:4 (B)	-ve		+ve	O:4 (B)	+ve	O:9 (D1)
1235	-ve		+ve		-ve		+ve		+ve	
1246	-ve		+ve	S. Typhimurium	-ve		+ve	S. Typhimurium	+ve	S. Enteritidis
1250	-ve		+ve	S.Typhimurium	-ve		+ve	4,[5],12:i-	+ve	S.Enteritidis
1266	Nil Return									
1274	-ve		+ve	Salmonella spp	-ve		+ve	Salmonella spp	+ve	Salmonella spp
1318	-ve		+ve	B	-ve		+ve	B	+ve	D
1338	-ve	n/a	+ve	B Typhimurium	-ve	n/a	+ve	B Typhimurium	+ve	D Enteritidis
1340	-ve		+ve	Group B	-ve		+ve	Group B	+ve	Group C and D
1349	-ve		+ve		-ve		+ve		+ve	
1374	-ve		+ve	Group B	-ve		+ve	Group B	+ve	Group D
1382	-ve		+ve	S. Typhimurium	-ve		+ve	S. Typhimurium	+ve	S. Enteritidis
1387	-ve		+ve	serogroup B	-ve		+ve	serogroup B	+ve	serogroup D
1411	-ve		+ve		-ve		+ve		+ve	
1436	-ve		+ve	S. Typhimurium	-ve		+ve	S.Typhim.monof.	+ve	S. Enteritidis
1495	-ve		+ve	S. Typhimurium	-ve		+ve	S.Typhimurium*	+ve	S. Enteritidis
1521	-ve		+ve		-ve		+ve		+ve	
1542	-ve		+ve	Salmonella spp	-ve		+ve	Salmonella spp	+ve	Salmonella spp
1559	-ve		+ve	S. Typhimurium	+ve	S. group F-67	+ve	S. Typhimurium	+ve	S. Enteritidis
1597	-ve		+ve		-ve		+ve		+ve	
1626	-ve		+ve		-ve		+ve		+ve	
1634	-ve		+ve	Typhimurium	-ve		+ve	Salmonella spp	+ve	Enteritidis
1638	-ve		+ve		-ve		+ve		+ve	
1642	-ve		+ve		-ve		+ve		+ve	
1647	-ve		+ve	S. Typhimurium	-ve		+ve	Groep B overig	+ve	S. Enteritidis
1650	-ve		+ve	B/S.Typhimurium	-ve		+ve	B/S.Typhimurium	+ve	D/S.Enteritidis
1654	-ve	N/A	+ve	Group B	-ve	N/A	+ve	Group B	+ve	Group D

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Intended	Escherichia coli + Pseudomonas aeruginosa		Salmonella Typhimurium (approx 15000 cfu per vial) + Pseudomonas aeruginosa		Proteus mirabilis		Salmonella Typhimurium monophasic (approx 5700 cfu per vial)		Salmonella Enteritidis (approx 130 cfu per vial)	
	-ve	Negative	+ve	Group B	-ve	Negative	+ve	Group B	+ve	Group D
1673	-ve		+ve		+ve		+ve		+ve	
1681	-ve		+ve	S. Typhimurium	-ve		+ve	1,4, [5],12:i:-	+ve	1,4, [5],12:i:-
1696	-ve		+ve		-ve		+ve		+ve	
1700	Nil Return									
1714	-ve		+ve	S. Typhimurium	-ve		+ve	O 4, 5; i; -	+ve	E. Enteritidis
1733	-ve		+ve		-ve		+ve		+ve	
1770	-ve		+ve	S. typhimurium	-ve		+ve	S. typhimurium	+ve	S. enteritidis
1812	-ve		+ve	B	-ve		+ve	D	+ve	B
1846	Nil Return									
1853	-ve		+ve	S. Typhimurium	-ve		+ve	S. Typhimurium	+ve	S. Enteritidis
1877	-ve		+ve		-ve		+ve		+ve	
1882	-ve		+ve	S.Typhimurium	-ve		+ve	Group O:4(B)	+ve	S.Enteritidis
1884	-ve		+ve		-ve		+ve		+ve	
1894	-ve		+ve	salmonella spp.	-ve		+ve	salmonella spp.	+ve	salmonella spp.
1905	-ve		+ve	Salmonella I	-ve		+ve	Salmonella I	+ve	Salmonella I
1944	-ve		+ve	B/S.Typhimurium	-ve		+ve	B/S.Typhimurium	+ve	D/S.Enteritidis
1947	-ve		+ve	S. Typhimurium	-ve		+ve	S. Typh. monofa	+ve	S. Enteritidis
2011	+ve		+ve		+ve		+ve		+ve	
2053	-ve		+ve	Salmonella spp	-ve		+ve	Salmonella spp	+ve	Salmonella spp
2096	-ve		+ve		-ve		+ve		+ve	
2098	-ve	NOT SALMONELLA	+ve	TYPHIMURIUM	-ve	NOT SALMONELLA	+ve	4,5,12:i:-	+ve	ENTERITIDIS
2111	+ve		+ve	S. typhimurium	-ve		+ve	S. typhimurium	+ve	S. enteritidis
2112	-ve		+ve	B	-ve		+ve	B	+ve	D
2131	-ve	Not detected	+ve	S. Typhimurium	-ve	Not detected	+ve	S. Typhimurium	+ve	S. Enteritidis
2143	-ve		+ve	S. Typhimurium	-ve		+ve	S. Typhimurium*	+ve	S. Enteritidis
2158	Nil Return									
2167	-ve	-	+ve	S. Typhimurium	-ve	-	+ve	S. 4,5,12:i:-	+ve	S. Enteritidis
2204	-ve		+ve		-ve		+ve		+ve	
2212	-ve		+ve	Salmonella spp.	-ve		+ve	Salmonella spp.	+ve	Salmonella spp.
2229	-ve		+ve	Typhimurium	-ve		+ve	Typhimuriummono	+ve	Enteritidis
2240	-ve		+ve		-ve		+ve		+ve	
2258	-ve		+ve		+ve		+ve		+ve	
2274	-ve		+ve		-ve		+ve		+ve	
2292	-ve	-	+ve	Typhimurium	-ve	-	+ve	Typhimurium	-ve	-
2386		Not detected		Detected		Not detected		Detected		Detected
2412	Nil Return									
2426	-ve		+ve		-ve		+ve		+ve	
2455	Nil Return									
2458	-ve		+ve	Salmonella spp.	-ve		+ve	Salmonella spp.	+ve	Salmonella spp.
2472	-ve		+ve	S. typhimurium	-ve		+ve	S. typhimurium	+ve	S. enteritidis
2508	-ve		+ve	Salmonella spp.	-ve		+ve	Salmonella spp.	+ve	Salmonella spp.
2552	-ve		+ve		-ve		+ve		+ve	
2570	-ve		+ve	G.O:4 (B)	-ve		+ve	G.O:4 (B)	+ve	G.O:9 (D1)
2573	-ve		+ve		-ve		+ve		+ve	
2628	-ve		+ve	S. Typhimurium	-ve		+ve	S. 0:4,5:i	+ve	S. Enteritidis
2667	-ve	E.coli	+ve	salmonella spp	-ve	P mirabilis	+ve	Salmonella spp	+ve	salmonella spp
2670	-ve		+ve	Group B	-ve		+ve	Group B	+ve	Group D1
2672	-ve		+ve	group B	+ve	group B	+ve	group B	+ve	group D
2726	-ve		+ve		-ve		+ve		+ve	

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	-ve	Negative	+ve	Group B	-ve	Negative	+ve	Group B	+ve	Group D
2755	-ve		+ve	B	-ve		+ve	B	+ve	D
2761	-ve		+ve		-ve		+ve		+ve	O9
2762	-ve		+ve		-ve		+ve		+ve	
2799	-ve		+ve	Salmonella sp.	-ve		+ve	Salmonella sp.	+ve	Salmonella sp.
2823	-ve		+ve		-ve		+ve		+ve	
2872	-ve		+ve		-ve		+ve		+ve	
2887	-ve		+ve	Group O:4 (B)	-ve		+ve	Group O:19 (E)	+ve	Group O:9 (D1)
3015	-ve		+ve		-ve		+ve		+ve	
3020	-ve		+ve	S. Typhimurium	-ve		+ve	S. Typhimurium	+ve	S. Enteritidis
3033	-ve		+ve	salmonella 1	-ve		+ve	salmonella 1	+ve	salmonella 1

Intended results were determined using BPW into MSRV agar.

Comments provided by Gordon Bennett, APHA Lasswade

Sample 14/1916 - Intended - Negative, E. coli and Pseudomonas aeruginosa
Laboratories 2011 and 2111 returned a positive result.
All other laboratories returned the expected negative result.

Sample 14/1917 - Intended - Positive, S. Typhimurium (Group B) and Pseudomonas aeruginosa
All laboratories returned the expected positive result with those that could grouping the isolate correctly as Group B.

Sample 14/1918 - Intended - Negative, Proteus mirabilis
Laboratories 1559 (Group F), 1673, 2011, 2258 and 2672 (Group B) all incorrectly returned a positive result.
All other laboratories returned the expected negative result.

Sample 14/1919 - Intended - Positive - S. Typhimurium (Group B)
All laboratories isolated Salmonella and returned the expected positive result.
Laboratory 1812 Grouped it as Group D.
Laboratory 2887 Grouped it as Group E.
All other laboratories that can group Salmonella grouping it as Group B.

Sample 14/1920 - Intended - Positive, S. Enteritidis (Group D)
Laboratory 2292 failed to isolate Salmonella.
Laboratory 1812 Grouped it as Group B.
All other laboratories returned the expected positive result with those that can grouping it as Group D.

Laboratories 1266, 1700, 1846, 2158, 2412 and 2455 posted a Nil Return for all 5 samples.



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