

Proficiency testing for veterinary laboratories

Results tabulation for 8378/BA PT0088: Salmonella in poultry

Distribution Date: 02/08/2011

Culture	11/1576		11/1577		11/1578		11/1579		11/1580	
	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	Positive Group C2		Negative - Sterile		Positive Group B		Negative - Citrobacter youngae + Ps aeruginosa		Positive Group D	
	+ve	S Hadar	-ve		+ve	S Typhimurium	-ve		+ve	S Enteritidis
1002	+ve	S. Hadar	-ve		+ve	S. Typhimurium	-ve		+ve	S. Enteritidis
1050	Nil Return									
1067	+ve	S. Hadar	-ve		+ve	S. Typhimurium	-ve		+ve	S. Enteritidis
1076	+ve	C, S.newport	-ve		+ve	BS.typhi-murium	-ve		+ve	D,S.enteritidis
1089	+ve		-ve		+ve		-ve		+ve	
1114	+ve	S.Hadar	-ve		+ve	S. Typhimurium	-ve		+ve	S. Enteritidis
1115	+ve		-ve		+ve		-ve		+ve	
1125	+ve	Group C2	-ve		+ve	Group B	-ve		+ve	Group D
1127	+ve	Group C	-ve		+ve	S.typhimurium	-ve		+ve	S.enteritidis
1133	+ve	Group C	-ve		+ve	Group B	-ve		+ve	Group D
1143	+ve	Group C	-ve	Negative	+ve	Group B	-ve	Negative	+ve	Group D
1158	+ve	S. Hadar	-ve	-	+ve	S. Typhimurium	-ve	-	+ve	S. Enteritidis
1212	Nil Return									
1218	+ve	S. Hadar	-ve		+ve	S. Typhimurium	-ve		+ve	S. Enteritidis
1235	+ve	NA	-ve	NA	+ve	NA	-ve	NA	+ve	NA
1246	+ve	S Hadar	-ve	-	+ve	S Typhimurium	-ve	-	+ve	S Enteritidis
1248	+ve	S. Hadar	-ve		+ve	S. Thyphimurium	-ve		+ve	S. Enteritidis
1318	+ve	C1, C4	-ve		+ve	B	-ve		+ve	D
1340	+ve	Group C	-ve		+ve	Group B	-ve		+ve	Group D
1349	+ve	S.kentucky	-ve		+ve	s.Typhimurium	-ve		+ve	S.enteritidis
1374	+ve	Group C	-ve		+ve	Group B	-ve		+ve	Group D
1382	+ve	Salmonella spp.	-ve	-	+ve	S. Typhimurium	-ve	-	+ve	S. Enteritidis
1387	+ve	Group C2-C3	-ve		+ve	Group B	-ve		+ve	Group D
1436	+ve	S.Hadar	-ve		+ve	S.Typhimurium	-ve		+ve	S.Enteritidis
1483	+ve	C-group	-ve	Sterile	+ve	B-group	-ve	Negative	+ve	D-group
1495	+ve	S. Hadar	-ve		+ve	S. Typhimurium	-ve		+ve	S. Enteritidis
1559	+ve	S.Hadar	-ve		+ve	S. Typhimurium	-ve		+ve	S. Enteritidis
1597	+ve	Salmonella spp	-ve	-	+ve	Salmonella spp	-ve	-	+ve	Salmonella spp
1626	+ve		-ve		+ve		-ve		+ve	
1638	+ve	N/A	-ve	N/A	+ve	N/A	-ve	N/A	+ve	N/A
1641	+ve	C Hadar	-ve		+ve	B Typhimurium	+ve	B Typhimurium	+ve	D Enteritidis
1647	+ve	S.Hadar	-ve		+ve	S. typhimurium	-ve		+ve	S. enteritidis
1654	+ve	Group C	-ve	N/A	+ve	Group B	+ve	Group B	+ve	Group D
1673	+ve	nd	-ve	nd	+ve	nd	-ve	nd	+ve	nd
1675	+ve	Group C2	-ve	Negative	+ve	Group B	-ve	Negative	+ve	Group D

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Intended	Positive Group C2		Negative - Sterile		Positive Group B		Negative - Citrobacter youngae + Ps aeruginosa		Positive Group D	
	+ve	S Hadar	-ve		+ve	S Typhimurium	-ve		+ve	S Enteritidis
1685	+ve	Salmonella spp	-ve		+ve	Salmonella spp	-ve		+ve	Salmonella spp
1696	+ve	Group C	-ve		+ve	Group B	-ve		+ve	Group D
1700	+ve	S. Hadar		negativo	+ve	S. Typhimurium		negativo	+ve	S. Enteritidis
1715	+ve		+ve		+ve		+ve		+ve	
1733	+ve		-ve		+ve		-ve		+ve	
1770	+ve	S. hadar	-ve		+ve	S. typhimurium	-ve		+ve	S. enteritidis
1812	+ve	C2 / Hadar	-ve		+ve	B / Typhimurium	-ve		+ve	D / Enteritidis
1833	+ve	S. Hadar	-ve		+ve	S. Typhimurium	-ve		+ve	S. Enteritidis
1853	+ve	S. Istanbul	-ve	No growth	+ve	S. Typhimurium	-ve	Not found	+ve	S. Enteritidis
1877	+ve	S. Hadar	-ve		+ve	S. Typhimurium	-ve		+ve	S. Enteritidis
1882	+ve	Group C	-ve		+ve	Group O:4,5 (B)	-ve	Citrobacter	+ve	Group O:9 (D)
1884	+ve		-ve		+ve		-ve		+ve	S. Enteritidis
1944	+ve		-ve		+ve		-ve		+ve	
1947	+ve	S. Hadar	-ve		+ve	S. Typhimurium	-ve		+ve	S. Enteritidis
1980	+ve	S. Hadar	-ve		+ve	S. Typhimurium	-ve		+ve	S. Enteritidis
2053	+ve		-ve		+ve		-ve		+ve	
2072	+ve		-ve		+ve		+ve		+ve	
2096	+ve	C	-ve		+ve	B	-ve		+ve	D
2098	+ve	Hadar	-ve	No growth	+ve	Typhimurium	-ve	Not Salmonella	+ve	Enteritidis
2131	+ve	O-6,8 ; z10	-ve	Sterile	+ve	O-4 Typhimurium	-ve	Not detected	+ve	O-9 Enteritidis
2143	+ve	S. Hadar	-ve		+ve	S. Typhimurium	-ve		+ve	S. Enteritidis
2158	Nil Return									
2167		S.sp	-ve		+ve	S.sp	-ve		+ve	S.sp
2204	+ve		+ve		+ve		+ve		+ve	
2212	+ve	Salmonella spp.	-ve		+ve	Salmonella spp.	-ve		+ve	Salmonella spp.
2229	+ve	S. hadar	-ve		+ve	S. enteritidis	-ve		+ve	S. typhimurium
2240	+ve		-ve		+ve		-ve		+ve	
2258	+ve		-ve		+ve		-ve		+ve	
2274	+ve		-ve		+ve		+ve		+ve	
2315	+ve	s.hadar	-ve	//	+ve	s.typhimurium	-ve	//	+ve	s.enteritidis
2326	+ve		-ve		+ve		-ve		+ve	
2356	+ve		-ve		+ve		-ve		+ve	
2386	+ve		+ve		+ve		-ve		+ve	
2426	+ve		-ve		+ve		-ve		+ve	
2455	+ve		-ve		+ve		-ve		+ve	
2458	+ve	Salmonella spp	-ve		+ve	salmonella spp	-ve		+ve	salmonella spp
2472	+ve		-ve		+ve		-ve		+ve	
2488	+ve		-ve		+ve		-ve		+ve	
2508	-ve	Sterile	-ve	Sterile	-ve	Sterile	-ve	Citrobacter	-ve	Sterile
2521	+ve	Group C	-ve	Not detected	+ve	Group B	-ve	Not detected	+ve	Group D
2552	+ve		-ve		+ve		-ve		+ve	

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Intended	Positive Group C2		Negative - Sterile		Positive Group B		Negative - Citrobacter youngae + Ps aeruginosa		Positive Group D	
	+ve	S Hadar	-ve		+ve	S Typhimurium	-ve		+ve	S Enteritidis
2570	+ve	S.hadar	-ve		+ve	S.Typhimurium	-ve	C.youngae	+ve	S enteritidis
2573	+ve	C	-ve		+ve	B	-ve		+ve	D
2667	+ve	Salmonella spp	-ve	negative steril	+ve	Salmonella spp	-ve		+ve	Group D
2680	+ve	Hadar	-ve		+ve	Typhimurium	-ve		+ve	Enteritidis
2726		postiv C		negativ		positiv B		negativ		positiv D
2755	+ve	C2, C3, 54	-ve		+ve	B	-ve		+ve	D
2762	+ve	S. hadar	-ve		+ve	S. Typhimurium	-ve		+ve	S. enteritidis
2823	+ve		-ve		+ve		-ve		+ve	

Intended results were determined using BPW into MSRV agar.

Comments provided by Diane Dawson, Quality Assurance Unit Sutton Bonington

Samples were sent to 84 laboratories and 81 returned results; labs 1050, 1212 & 2158 were Nil Returns.

Overall a very good set of results with the majority of participants reporting the intended results. Not all labs reported Group or species of *Salmonella*, some just reported as *Salmonella* +ve, and this is fine if it is what they routinely report for these types of samples.

Sample 11/1576: *S Hadar* pure, with somatic (O) antigen 6,8 was reported by a few labs as *S Newport* (6,8,20), *S Kentucky* (8,20) or *S Istanbul* (8). All of these are within the same overall Group C2,C3. Groups O:6,8 (C2) and O:8 (C3) differ only by the presence or absence of factor O:6 and so are grouped together in a single group O:8 and called C2-C3. Lab 1318 reported the *Salmonella* as Group C1,C4 and lab 2508 reported it as sterile.

Sample 11/1577: was reported as sterile by all except 3 laboratories - 1715, 2204 & 2386 - who have contamination issues which should be investigated.

Sample 11/1578: was reported as positive by all except lab 2508, and lab 2229 reported as *S Enteritidis* rather than *S Typhimurium*.

Sample 11/1579: *Citrobacter youngae* and *Pseudomonas aeruginosa*, was reported correctly as negative *Salmonella* by all except 6 labs - 1641, 1654, 1715, 2072, 2204, 2274.

Sample 11/1580: was reported correctly as positive *Salmonella* by all except lab 2508 who reported it as sterile. Lab 2229 reported the *Salmonella* serotype as *Typhimurium* instead of *Enteritidis* - possibly transposing the sample or results with 11/1578.

Lab 2508 should review its testing procedure as it reported all the positive *Salmonella* samples as negative.



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