



Proficiency testing for veterinary laboratories

Distribution Date: 06/08/2013

Results tabulation for 11175/BA PT0088: Salmonella in poultry

Culture	13/1709		13/1710		13/1711		13/1712		13/1713	
	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 Hadar (approx 7 x 10 ³ cfu per vial)		Salmonella Typhimurium monophasic (approx 3 x 10 ³ cfu per vial)		Salmonella Infantis (approx 35 cfu per vial)		Klebsiella pneumoniae		Citrobacter youngae + Pseudomonas aeruginosa	
		Group C		Group B		Group C				
1002	+ve	Hadar	+ve	Typhimurium	+ve	Infantis	-ve		-ve	
1076	+ve	S. hadar	+ve	S. typhimurium	+ve	C,06,07,Hr	-ve		-ve	C. youngae
1089	+ve		+ve		+ve		-ve		-ve	
1114	+ve	C2-C3/S. Hadar	+ve	B/S.typhimurium	+ve	C1/S. infantis	-ve		-ve	
1115	+ve	S. Hadar	+ve	1,4,5,12:i:-	+ve	S. Infantis	-ve		-ve	
1125	+ve	S. hadar	+ve	S. 4,12:i:-	+ve	S. infantis	+ve	S. hadar	-ve	
1127	+ve	Group C2	+ve	Group B	+ve	Group C1	-ve		-ve	
1133	+ve	C	+ve	B	+ve	C	-ve		-ve	
1143	+ve	Group C	-ve	Negative	+ve	Group C	-ve	Negative	-ve	Negative
1157	+ve	Not B or D	+ve	serogroup B	+ve	Not B or D	-ve	Not conducted	-ve	Not conducted
1158	Nil Return									
1198	+ve	Group C2	+ve	Group B	+ve	Group C1	-ve		-ve	
1217	+ve	O:8 (C2-C3)	+ve	O:4 (B)	+ve	O:7 (C1)	-ve		-ve	
1218	+ve		+ve		+ve		-ve		-ve	
1235	+ve		+ve		+ve		-ve		-ve	
1246	+ve	S. Newport	+ve	S. Typhimurium	+ve	S. Infantis	-ve		-ve	
1248	+ve	S. Hadar	+ve	S. enterica	+ve	S. Infantis	-ve		-ve	
1318	+ve	C	+ve	B	+ve	C	-ve		-ve	
1340	+ve	Group C	+ve	Group B	+ve	Group C	-ve		-ve	
1349	+ve	s.hadar	+ve	S.T monophasic	+ve	S.infantis	-ve		-ve	
1382	+ve	Salmonella spp.	+ve	S.Typhimurium	+ve	Salmonella spp.	-ve		-ve	
1387	+ve	Group C2-C3	+ve	Group B	+ve	Group C1	-ve		-ve	
1436	+ve	S Hadar	+ve	S Typhim.monof.	+ve	S. Infantis	-ve		-ve	
1480	Unable to test									
1491	Nil Return									
1495	+ve	S Hadar	+ve	S enterica	+ve	S Infantis	-ve		+ve	
1521	+ve		+ve		+ve		-ve		-ve	
1559	+ve	S. Hadar	+ve	S. Typhimurium	+ve	S. Infantis	-ve		-ve	
1597	+ve		+ve		+ve		-ve		-ve	
1626	+ve		+ve		+ve		-ve		-ve	
1638	+ve		+ve		+ve		-ve		-ve	
1647	+ve	S. Hadar	+ve	S.Typhimurium	+ve	S. Infantis	-ve		-ve	
1654	+ve	Group C	+ve	Group B	+ve	Group C	-ve		-ve	
1673	+ve		+ve		+ve		-ve		-ve	
1681	+ve	S.Hadar	+ve	S.Hadar	+ve	S. Infantis	-ve		+ve	S. Hadar
1696	+ve		+ve		+ve		-ve		+ve	
1700	+ve	S.Hadar	+ve	S. typhimurim	+ve	S. Infantis	-ve	negativo	-ve	negativo
1715	+ve		+ve		+ve		+ve		+ve	
1733	+ve		+ve		+ve		-ve		-ve	
1770	+ve	S. hadar	+ve	S. typhimurium	+ve	S. infantis	-ve		-ve	Citrobacter
1812	+ve	C2/S. Hadar	+ve	B/4,5,12:i:-	-ve		-ve		-ve	
1853	+ve	S. Hadar	+ve	S. Typhimurium	+ve	S. Infantis	-ve		-ve	

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Intended	Salmonella Hadar (approx 7 x 10 ³ cfu per vial)		Salmonella Typhimurium monophasic (approx 3 x 10 ³ cfu per vial)		Salmonella Infantis (approx 35 cfu per vial)		Klebsiella pneumoniae		Citrobacter youngae + Pseudomonas aeruginosa	
		Group C		Group B		Group C				
1877	+ve	Salmonella sp.	+ve	Salmonella sp.	+ve	Salmonella sp.	-ve		-ve	
1894	+ve	salmonella spp.	+ve	salmonella spp.	+ve	salmonella spp.	-ve		+ve	salmonella spp.
1944	+ve	C	+ve	B/typhimurium	+ve	C/virchow	-ve		-ve	
1947	+ve	S. Hadar	+ve	S Typhimurium	+ve	S. Infantis	-ve		-ve	
1977	+ve	group C	+ve	group B	+ve	group C	+ve	group B	-ve	-
1980	+ve	S. hadar O:8	+ve	typhimurium O:4	+ve	infantis O:7	-ve		-ve	
2011	+ve		+ve		+ve		-ve		+ve	
2053	+ve	Salmonella spp	+ve	Salmonella spp	+ve	Salmonella spp	-ve		-ve	
2072	+ve		+ve		+ve		-ve		IC	
2096	+ve		+ve		-ve		-ve		-ve	
2098	+ve	Hadar	+ve	4,5,12:i-	+ve	Infantis	+ve	Not Salmonella	-ve	Not Salmonella
2111	+ve		+ve		+ve		-ve		-ve	
2131	+ve	Group C / O:6,8	-ve	not detected	+ve	Group C / O:6,7	-ve	not detected	-ve	not detected
2143	+ve	S. Hardar	+ve	S.Typhim. mono.	+ve	S. Infantis	-ve		-ve	
2158	+ve		+ve		+ve		-ve		-ve	
2167	+ve	S. Hadar	+ve	S. 4,5,12:i-	+ve	S. Infantis	-ve		-ve	
2173	+ve		+ve		+ve		-ve		+ve	
2204	+ve		+ve		+ve		-ve		-ve	
2212	+ve	Salmonella spp	+ve	Salmonella spp	+ve	Salmonella spp	-ve		-ve	
2229	+ve	S. Hadar	+ve	S.Typhimurium	+ve	S. Infantis	-ve		-ve	
2240	+ve		+ve		+ve		-ve		-ve	
2258	+ve		+ve		+ve		-ve		-ve	
2274	+ve		+ve		+ve		-ve		-ve	
2326	+ve		+ve		+ve		-ve		-ve	
2335	+ve	Hadar	+ve	4,12:i	+ve	Infantis	-ve		-ve	
2356	+ve		+ve		+ve		-ve		-ve	
2386	Nil Return									
2412	+ve	Salmonella sp	+ve	Salmonella sp	+ve	Salmonella sp	-ve		-ve	
2426	+ve		+ve		+ve		-ve		-ve	
2455	+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	Salmonella spp.	-ve		-ve	
2458	+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	Salmonella spp.	-ve		-ve	
2472	+ve	S. Hadar	+ve	S. typhimurium	+ve	S. virchow	-ve		-ve	
2508	+ve		+ve		+ve		-ve		-ve	
2552	+ve		+ve		+ve		-ve		-ve	
2570	+ve	O:6,7,8/group C	+ve	O:4/group B	+ve	O:6,7,8/group C	-ve	K.pneumoniae	-ve	C.youngae/Pseu
2573	+ve		+ve		+ve		-ve		-ve	
2667		Salmonella spp		Salmonella spp		Salmonella spp		Negative		C youngae
2726	+ve		-ve		+ve		-ve		-ve	
2755	+ve	C2 C3 54/Hadar	-ve		+ve	C1 54/Infantis	-ve		-ve	
2762	+ve		+ve		+ve		-ve		-ve	
2823	+ve		+ve		+ve		-ve		-ve	
3015	+ve		+ve		+ve		-ve		-ve	

Intended results were determined using BPW into MSRV agar.

Provided by Paula Johnson AHVLA QA Unit -

Sample 13/1709 - All participants isolated Salmonella from this sample. Where recorded, labs reported the correct serogroup or serotype with the exception of Lab 1246 reporting S. Newport.

Sample 13/1710 - The majority of participants isolated Salmonella as expected. Each reported the correct serogroup or serotype with the exception of lab 1681 reporting S. Hadar. Labs 1143, 2131, 2726 and 2755 failed to isolate Salmonella in this sample.

Sample 13/1711 - Again the majority of participants isolated Salmonella as expected. Each reported the correct serogroup or serotype with the exception of labs 1944 and 2472; both reported an incorrect serotype. Labs 1812 and 2096 failed to isolate Salmonella in this sample.

Sample 13/1712 - Labs 1125, 1715 and 1977 reported isolating Salmonella from this sample. Lab 2098 reported not detecting Salmonella but selected a positive interpretation. The remainder of the participants reported the sample as Salmonella Negative as intended.

Sample 13/1713 - The majority of participants reported this sample as Salmonella Negative. Labs 1495, 1681, 1696, 1715, 1894, 2011, and 2173 reported this sample as Salmonella Positive and Lab 2072 reported an Inconclusive result.

80 of the 84 Participants returned results for five samples.

Positive samples: Of the three samples containing Salmonella 92.5 % of participants correctly interpreted all these samples to be positive.

Negative samples: 11.5 % of participants reported false positives. This figure excludes Lab 2098, that reported conflicting results and Lab 2072 that reported an Inconclusive result.

The comments submitted indicated the majority of participants used culture techniques. Lab 1681 using a PCR test reported three samples contained S. hadar.



Version: 21/12/2012

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Authorised: 17/09/2013