



Proficiency testing for veterinary laboratories

Distribution Date: 07/02/2012

Results tabulation for 8614/BA PT0088: Salmonella in poultry

Culture	12/1112		12/1113		12/1114		12/1115		12/1116	
	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	E coli + Pseudomonas aeruginosa		S Hadar (approx 2.0x10 ⁴)		Sterile		S Enteritidis (approx 1.0x10 ⁴) + E coli + Pseudomonas aeruginosa		Citrobacter youngae	
	-ve		+ve	Group C	-ve		+ve	Group D	-ve	
1002	-ve		+ve	S. Hadar	-ve		+ve	S. Enteritidis	-ve	
1050	-ve		+ve		-ve		+ve		-ve	
1067	-ve		+ve	S. Hadar	-ve		+ve	S. Enteritidis	-ve	
1076	-ve		+ve	S. hadar	-ve		+ve	S. enteritidis	-ve	
1089	-ve		+ve		-ve		+ve		-ve	
1114	-ve		+ve	S. Hadar	-ve		+ve	S. Enteritidis	-ve	
1115	-ve		+ve	S. Hadar	-ve		+ve	S. Enteritidis	-ve	
1125	+ve	GROUP B	+ve	GROUP C2	-ve		+ve	GROUP D	+ve	GROUP D
1127	-ve		+ve	Group C	-ve		+ve	S. enteritidis	-ve	
1133	-ve		+ve	Group C	-ve		+ve	Group D	-ve	
1143	-ve	NEGATIVE	+ve	GROUP C	-ve	NEGATIVE	+ve	GROUP D	-ve	NEGATIVE
1158	-ve	-	+ve	S. Hadar	-ve	-	+ve	S. Enteritidis	-ve	-
1198	-ve		+ve	C	-ve		+ve	D	-ve	
1212	Unable to test this distribution									
1218	-ve		+ve		-ve		+ve		-ve	
1220	-ve	Acinetobacter	+ve	Group C	-ve	No growth	+ve	Group D	-ve	Citrobacter
1235	-ve		+ve		-ve		+ve		-ve	
1246	-ve		+ve	S.Hadar	-ve		+ve	S.Enteritidis	-ve	
1248	-ve		+ve		-ve		+ve		-ve	
1318	-ve		+ve	C	-ve		+ve	D	-ve	
1340	-ve		+ve	Group C	-ve		+ve	Group D	-ve	
1349	-ve		+ve	S. Hadar	-ve		+ve	S. Enteritidis	-ve	Citrobacter
1374	-ve		+ve	S. Hadar	-ve		+ve	S. Enteritidis	-ve	
1382	-ve		+ve	Salmonella spp	-ve		+ve	S.Enteritidis	-ve	
1387	-ve		+ve	group C2-C3	-ve		+ve	group D	+ve	group D
1422	-ve		+ve	Group C	+ve	Group D	+ve	Group D	-ve	
1436	-ve		+ve	O 6.8	-ve		+ve	O 9	-ve	
1491	-ve		+ve		-ve		+ve	Enteritidis	+ve	
1495	-ve		+ve	S Hadar	-ve		+ve	S Enteritidis	-ve	
1559	-ve		+ve	S. Hadar	-ve		+ve	S. Enteritidis	+ve	Salmonella F-67
1597	-ve		+ve	poly B	-ve		+ve	Group D	-ve	
1626	-ve		+ve		-ve		+ve		-ve	
1641	-ve		+ve	C/ S Hadar	-ve		+ve	D/S Enteritidis	-ve	
1647	-ve		+ve	S. Hadar	-ve		+ve	S. Enteritidis	+ve	unknown
1654	-ve	N/A	+ve	Group C	-ve	N/A	+ve	Group D	-ve	N/A
1673	-ve		+ve		-ve		+ve		-ve	
1675	-ve		+ve	Group C	-ve		+ve	Group D	-ve	
1685	-ve		+ve	Salmonella spp	-ve		+ve	Salmonella spp	-ve	
1696	-ve		+ve	C	-ve		+ve	D	-ve	
1700	-ve		+ve	s.hadar	-ve		+ve	s.Enteritidis	-ve	
1715	-ve		+ve		-ve		+ve		-ve	
1733	-ve		+ve		-ve		+ve		-ve	
1770	-ve	not detected	+ve	S. hadar	-ve	not detected	+ve	S. enteritidis	-ve	not detected

Culture	12/1112		12/1113		12/1114		12/1115		12/1116	
	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	E coli + Pseudomonas aeruginosa		S Hadar (approx 2.0x10^2)		Sterile		S Enteritidis (approx 1.0x10^4) + E coli + Pseudomonas aeruginosa		Citrobacter youngae	
	-ve		+ve	Group C	-ve		+ve	Group D	-ve	
1812	-ve		+ve	C2 S Hadar	-ve		+ve	D S Enteritidis	-ve	
1833	-ve		+ve	S. Hadar	-ve		+ve	S. Enteritidis	-ve	
1853	+ve	C S.Hadar	+ve	C S.Hadar	-ve		+ve	D S.Enteritidis	-ve	
1877	-ve		+ve	S. sp.	-ve	sterile	+ve	S. sp.	-ve	
1882	-ve		+ve	S.Hadar	-ve		+ve	S. Enteritidis	-ve	
1884	-ve		+ve		-ve		+ve	S.Enteritidis	-ve	
1917		Not detected		Salmonella spp.		Not detected		Salmonella spp.		Not detected
1944	-ve		+ve		-ve		+ve		-ve	
1947	-ve		+ve	S. Hadar	-ve		+ve	S. Enteritidis	-ve	
1980	-ve		+ve	S.Hadar	-ve		+ve	S.Enteritidis	-ve	
2053	-ve		+ve	Salmonella spp	-ve		+ve	Salmonella spp	-ve	
2072	Nil Return									
2096	-ve		+ve	C	-ve		+ve	C or D	-ve	
2098	-ve	NOT SALMONELLA	+ve	HADAR	-ve	NO GROWTH	+ve	ENTERITIDIS	+ve	ENTERITIDIS
2131	-ve	Not detected	+ve	S. Hadar	+ve	S. Hadar	+ve	S. Enteritidis	-ve	Not detected
2143	-ve		+ve	S. Hadar	-ve		+ve	S. Enteritidis	-ve	
2158	-ve		+ve		-ve		+ve		-ve	
2167	-ve		+ve	S.Hadar	-ve		+ve	S.Enteritidis	-ve	
2204	-ve		+ve		-ve		+ve		-ve	
2212	-ve		+ve	Salmonella Spp.	-ve		+ve	Salmonella Spp.	-ve	
2229	-ve		+ve	C 2,3	-ve		+ve	S Enteritidis	-ve	
2240	-ve		+ve		-ve		+ve		-ve	
2258	-ve		+ve	C	-ve		+ve	D	-ve	
2274	-ve		+ve		-ve		+ve		-ve	
2315	-ve	E.coli	+ve	S.Hadar	-ve	//	+ve	S.Enteritidis	-ve	Citrobacter
2326	-ve		+ve		-ve		+ve		-ve	
2356	-ve		+ve		-ve		+ve		-ve	
2361	+ve	salmonella spp	+ve	salmonella spp	+ve	salmonella spp	+ve	salmonella spp	+ve	salmonella spp
2369	-ve		+ve	Salmonella C:2	-ve	Sterile	+ve	S. Enteritidis	-ve	
2386	-ve		+ve		-ve		+ve		-ve	
2426	-ve		+ve		-ve		+ve		-ve	
2455	-ve		+ve		-ve		+ve		-ve	
2458	-ve		+ve	Salmonella spp	-ve		+ve	Salmonella spp	-ve	
2472	-ve		+ve		-ve		+ve		-ve	
2508	-ve	E.coli	+ve	S.Hadar	-ve	Sterile	+ve	S.enteritidis	-ve	Citrobacter
2521	-ve	Not detected	+ve	D.group C	-ve	Not Detected	+ve	D. group D	+ve	D.group B
2552	-ve		+ve		-ve		+ve		-ve	
2570	-ve	Pseudomonas	+ve	Salmonella/OMC+	-ve	Stérile	+ve	S.enteritidis	-ve	C.freudi
2573	-ve		+ve	C	-ve		+ve	D	-ve	
2659	-ve		+ve		+ve		+ve		+ve	
2667	-ve		+ve		-ve		+ve		-ve	
2680	-ve		+ve	Hadar	-ve		+ve	Enteritidis	-ve	
2726	-ve		+ve	C	-ve		+ve	D	-ve	
2755	-ve		+ve	C2	-ve		+ve	D	-ve	
2762	-ve		+ve	S.hadar	-ve		+ve	S.enteritidis	-ve	
2823	-ve		+ve		-ve		+ve		-ve	

Intended results were determined using BPW into MSR/V agar.

Comments provided by Paula Johnson, Quality Assurance Unit Sutton Bonington

Samples were issued to 89 laboratories of which 87 submitted results.

Sample 12/1112:

3 laboratories incorrectly isolated Salmonella from this sample (labs 1125, 1853 & 2361).

Sample 12/1113:

All laboratories reported correctly as Salmonella Positive.

Sample 12/1114:

4 laboratories incorrectly isolated Salmonella from this sample (labs 1422, 2131, 2361 & 2659).

Sample 12/1115:

Correct results reported by all participants.

Sample 12/1116:

9 Laboratories reported Salmonella in this sample which contained a pure culture of Citrobacter youngae (labs 1125, 1387, 1491, 1559, 1647, 2098, 2361, 2521 & 2659).

The exercise has shown evidence of cross contamination issues within some laboratories and in the case of sample 12/1116, the incorrect results may be either due to cross contamination or mis-identification of the Citrobacter.

Errors when labelling of test items, sample mix up, or result entry errors could also have led to incorrect results.

In samples 12/1113 and 12/1115, where Salmonella was present, the sero groups or serotypes reported by many laboratories were correct.



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