



Proficiency testing for veterinary laboratories

Distribution Date: 05/05/2015

Results tabulation for 11958/BA PT0088: Salmonella in poultry

Culture	15/1418		15/1419		15/1420		15/1421		15/1422	
	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	Citrobacter youngae		Salmonella Enteritidis (approx 100,000 cfu per vial) + Pseudomonas aeruginosa		Salmonella Virchow (approx 1000 cfu per vial)		Salmonella Hadar (>2500 cfu per vial)		Salmonella Typhimurium (approx 35000 cfu per vial) + Escherichia coli	
	-ve	Negative	+ve	Group D	+ve	Group C	+ve	Group C	+ve	Group B
1002	-ve		+ve	Enteritidis	+ve	Virchow	+ve	Hadar	+ve	Typhimurium
1056	Nil Return									
1067	-ve		+ve	S. Enteritidis	+ve	S. Virchow	+ve	S. Hadar	+ve	S. Typhimurium
1076	Nil Return									
1089	-ve		+ve		+ve		+ve		+ve	
1095	-ve		+ve		+ve		+ve		+ve	
1097	-ve		+ve		+ve		+ve		+ve	
1114	-ve		+ve	Group O:9 (D1)	+ve	Group O:7 (C1)	+ve	S. Hadar	+ve	Group O:4 (B)
1115	-ve		+ve		+ve		+ve		+ve	
1121	Nil Return									
1125	-ve		+ve	S. Enteritidis	+ve	S. Virchow	+ve	S. Hadar	+ve	S. Typhimurium
1127	-ve		+ve	Group D	+ve	Group C1	+ve	Group C2	+ve	Group B
1133	-ve		+ve	D / O9	+ve	C / O6,7	+ve	C / O6,7	+ve	B / O4
1143	-ve	negative	+ve	Group D	+ve	Group C	+ve	Group C	+ve	Group B
1157	-ve		+ve	Salm. (Gp.D)	+ve	Salm. (Poly O)	+ve	Salm. (Poly O)	+ve	Salm. (Gp.B)
1158	-ve	-	+ve	S. Enteritidis	+ve	S. Virchow	+ve	S. Hadar	+ve	S. Typhimurium
1198	-ve		+ve	Group D	+ve	Group C1	+ve	Group C2	+ve	Group B
1217	-ve		+ve	O:9 (D1)	+ve	O:7 (C1)	+ve	O:8 (C2-C3)	+ve	O:4 (B)
1228	Nil Return									
1235	-ve		+ve		+ve		+ve		+ve	
1246	-ve		+ve	S. Enteritidis	+ve	S. Infantis	+ve	S. Hadar	+ve	S. Typhimurium
1250	-ve		+ve	S. Enteritidis	+ve	S. Virchow	+ve	S. Hadar	+ve	S. Typhimurium
1297	-ve	NEGATIVE	+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	Salmonella spp.
1318	-ve		+ve	D	+ve	C	+ve	C	+ve	B
1340	-ve		+ve	C+D	+ve	C	+ve	C	+ve	B
1351	-ve		+ve		+ve		+ve		-ve	
1374	-ve	Citrobacter	+ve	S. enteritidis	+ve	S. virchow	+ve	S. hadar	+ve	S. typhimurium
1382	-ve		+ve	S. Enteritidis	+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	S. Typhimurium
1387	-ve	not applicable	+ve	Group D	+ve	Group C1	+ve	Group C2C3	+ve	Group B
1423	-ve		+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	Salmonella spp.
1425	-ve		+ve	O(D), H(GM)	+ve	O(C)	+ve	O(C)	+ve	O(B), H(I)
1436	-ve		+ve	S. Enteritidis	+ve	S. Virchow	+ve	S. Hadar	+ve	S. Typhimurium
1487	-ve		+ve	S. Enteritidis	-ve		+ve	Salmonella Gp C	+ve	S. Typhimurium
1521	-ve		+ve	D +ve	+ve		+ve		+ve	
1559	-ve	-	+ve	S. Enteritidis	+ve	S. Virchow	+ve	S. Hadar	+ve	S Typhimurium
1614	-ve		+ve	not serotyped	+ve	not serotyped	+ve	not serotyped	+ve	not serotyped
1625	-ve		+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	Salmonella spp.
1626	-ve		+ve		+ve		+ve		+ve	
1638	-ve		+ve		+ve		+ve		+ve	
1647	-ve		+ve	S. Enteritidis	+ve	S. Virchow	+ve	S. Hadar	+ve	S. Typhimurium
1654	-ve	N/A	+ve	Group D	+ve	Group C	+ve	Group C	+ve	Group B
1669	-ve		+ve	S. Enteritidis	+ve	S. Virchow	+ve	S. Hadar	+ve	S. Typhimurium
1673	Nil Return									

Culture	15/1418		15/1419		15/1420		15/1421		15/1422	
	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	Citrobacter youngae		Salmonella Enteritidis (approx 100,000 cfu per vial) + Pseudomonas aeruginosa		Salmonella Virchow (approx 1000 cfu per vial)		Salmonella Hadar (>2500 cfu per vial)		Salmonella Typhimurium (approx 35000 cfu per vial) + Escherichia coli	
	-ve	Negative	+ve	Group D	+ve	Group C	+ve	Group C	+ve	Group B
1674	-ve		+ve	S. Enteritidis	+ve	Group O:7 (C1)	+ve	S. Hadar	+ve	S. Typhimurium
1681	-ve		+ve	S. Enteritidis	+ve		+ve	S. Hadar	+ve	S. Typhimurium
1696	-ve		+ve		+ve		+ve		+ve	
1700	-ve	negativo		salmonella spp.		salmonella spp.		salmonella spp.		salmonella spp.
1714	-ve		+ve	S. Enteritidis	+ve	S. Colindale	+ve	S. Hadar	+ve	S. Typhimurium
1733	-ve		+ve		+ve		+ve		+ve	
1759	Nil Return									
1766	-ve	Citrobacter	+ve	S. Enteritidis	+ve	S. Virchow	+ve	S. Hadar	+ve	S. Typhimurium
1770	-ve		+ve	S. enteritidis	+ve	group C	+ve	S. hadar	+ve	S. typhimurium
1798	-ve		+ve	S. enteritidis	+ve	S. virchow	+ve	S. hadar	+ve	S. typhimurium
1853	+ve	B Typhimurium	+ve	C Hadar	+ve	C Virchow	+ve	D Enteritidis	-ve	
1877	-ve		+ve		+ve		+ve		+ve	
1884	-ve		+ve		+ve		+ve		+ve	
1894	-ve		+ve	SALMONELLA SPP.	+ve	SALMONELLA SPP.	+ve	SALMONELLA SPP.	+ve	SALMONELLA SPP.
1896	-ve		+ve		+ve		+ve		+ve	
1905	-ve		+ve	Salmonella II	+ve	Salmonella I	+ve	Salmonella sp.	+ve	Salmonella II
1944	-ve		+ve	Group D	+ve	Group C	+ve	Group C	+ve	Group B
1947	-ve		+ve	D1/SEnteritidis	+ve	C1/S.Virchow	+ve	C2-3/S.Hadar	+ve	B/S.Typhimurium
1980	-ve		+ve	S. Enteritidis	+ve	S. Virchow	+ve	S. Hadar	+ve	S. Typhimurium
2011	-ve		+ve		+ve		+ve		+ve	
2053	-ve		+ve	Salmonella spp	+ve	Salmonella spp	+ve	Salmonella spp	+ve	Salmonella spp
2062	-ve		+ve		+ve		+ve		+ve	
2090	-ve		+ve		+ve		+ve		+ve	
2096	-ve		+ve		+ve		+ve		+ve	
2098	-ve	Not Salmonella	-ve	Not Salmonella	-ve	No Growth	+ve	HADAR	+ve	TYPHIMURIUM
2111	-ve		+ve	D. Enteritidis	+ve	C. Virchow	+ve	C. Hadar	+ve	B. Typhimurium
2131	-ve	not detected	+ve	S. Enteritidis	+ve	S. Virchow	+ve	S. Hadar	+ve	S. Typhimurium
2143	-ve		+ve	S. Enteritidis	+ve	S. Virchow	+ve	S. Hadar	+ve	S. Typhimurium
2151	+ve	arizonae	+ve	S. Enteritidis	+ve		+ve		+ve	S. Typhimurium
2158	-ve		+ve		+ve		+ve		+ve	
2167	-ve		+ve	S. Enteritidis	+ve	S. Virchow	+ve	S. Hadar	+ve	S. Thyphimurium
2173	-ve		+ve		+ve		+ve		-ve	
2185	-ve		+ve	serogroup D	+ve	serogroup C	+ve	serogroup C	+ve	serogroup B
2204	-ve		+ve		+ve		+ve		+ve	
2212	-ve		+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	Salmonella spp.
2229	-ve		+ve	S. Enteritidis	+ve	Virchow	+ve	S. Hadar	+ve	S. Typhimurium
2240	-ve		+ve		+ve		+ve		+ve	
2266	-ve		+ve		+ve		+ve		+ve	
2274	-ve		+ve		+ve		+ve		+ve	
2292	-ve		+ve	Enteritidis	+ve	Virchow	+ve	Hadar	+ve	Typhimurium
2356	-ve		+ve		+ve		+ve		+ve	
2386	-ve		+ve		+ve		+ve		+ve	
2412	-ve		+ve	S. Enteritidis	+ve	S. spp	+ve	S. spp	+ve	S. Typhimurium
2426	-ve		+ve		+ve		+ve		+ve	
2441	-ve		+ve		+ve		+ve		+ve	
2455	-ve		+ve		+ve		+ve		+ve	
2458	-ve		+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	Salmonella spp.
2459	-ve		+ve	O9+	+ve	OMB +	+ve	OMB +	+ve	O 4,5 +

Culture	15/1418		15/1419		15/1420		15/1421		15/1422	
	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	Citrobacter youngae		Salmonella Enteritidis (approx 100,000 cfu per vial) + Pseudomonas aeruginosa		Salmonella Virchow (approx 1000 cfu per vial)		Salmonella Hadar (>2500 cfu per vial)		Salmonella Typhimurium (approx 35000 cfu per vial) + Escherichia coli	
	-ve	Negative	+ve	Group D	+ve	Group C	+ve	Group C	+ve	Group B
2472	-ve		+ve	S. Dublin	+ve	S. Virchow	+ve	S. Hadar	+ve	S. Typhimurium
2552	-ve		+ve		+ve		+ve		+ve	
2573	-ve		+ve		+ve		+ve		+ve	
2626	-ve		+ve	Salmonella spp	+ve	Salmonella spp	+ve	Salmonella spp	+ve	Salmonella spp
2628	-ve		+ve	S. enteritidis	+ve	S. groupe C1/C2	+ve	S. groupe C1/C2	+ve	S. typhimurium
2636	-ve		+ve		+ve		+ve		+ve	
2670	-ve		+ve	Group D1	+ve	Group C1	+ve	Group C2	+ve	Group B
2672	-ve		+ve	D1/S.enteritid.	+ve	group C1	+ve	group C2-C3	+ve	group B
2726	-ve		+ve		+ve		+ve		+ve	
2753	-ve		+ve		+ve		+ve		+ve	
2762	-ve		+ve		+ve		+ve		+ve	
2816	-ve		+ve		+ve		+ve		+ve	
2823	-ve		+ve		+ve		+ve		+ve	
2886	-ve		+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	Salmonella spp.
2904	-ve		+ve	enteritidis	+ve	virkow	+ve	hadar	+ve	typhimurium
2907	-ve	Negative	+ve	Group D	+ve	Group D	+ve	Group C	+ve	Group B
2926	-ve		+ve		+ve		+ve		+ve	
2950	Nil Return									
3002	-ve		+ve		+ve		+ve		+ve	
3015	-ve		+ve		-ve		+ve		+ve	
3020	-ve		+ve	S. Enteritidis	+ve	S. Virchow	+ve	S. Hadar	+ve	S. Typhimurium
3043	-ve		+ve	Group D 9:g,m	+ve	Group C	+ve	Group C	+ve	Grup B4,5:i:1,2
3061	-ve		+ve		+ve		+ve		+ve	
3076	-ve		+ve	Salmonella spp	+ve	Salmonella spp	+ve	Salmonella spp	+ve	Salmonella spp
3081	-ve		+ve	salmonella spp	+ve	salmonella spp	+ve	salmonella spp	+ve	salmonella spp
3086	-ve		+ve		+ve		+ve		+ve	typhimurium
3134	-ve		+ve		+ve		+ve		+ve	
3154		Negative		Positive		Positive		Positive		Positive

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

Comments provided by Gordon Bennett, APHA Lasswade

Sample 15/1418 - Intended - Negative, Citrobacter youngae
Laboratory 1853 reported a positive S. Typhimurium result.
All other laboratories returned the expected negative result.

Sample 15/1419 - Intended - Positive, S. Enteritidis (Gp D), Pseudomonas aeruginosa
Laboratory 2098 failed to isolate Salmonella therefore returned a negative result.
Laboratories 1853 and 2472 isolated Salmonella, however, they reported as S. Hadar and S. Dublin, respectively.
All other laboratories returned the expected positive results with those able to correctly Grouping as Gp D.

Sample 15/1420 - Intended - Positive, S. Virchow (Gp C)
Laboratories 1487, 2098 and 3015 failed to isolate Salmonella therefore returned a negative result.
Laboratory 1246 and 1714 although isolated a Gp C Salmonella, incorrectly typed it as S. Infantis and S. Colindale, respectively.

All other laboratories returned the expected positive result with those able to correctly Grouping as Gp C.

Sample 15/1421 - Intended - Positive, S. Hadar (Gp C2)

Laboratory 1853 incorrectly reported the presence of S. Enteritidis.

All other laboratories returned the expected positive result with those able to correctly Grouping as Gp C.

Sample 15/1422 - Intended - Positive, S. Typhimurium (Gp B), E. coli

Laboratories 1351, 1853 and 2173 failed to isolate Salmonella therefore returned a negative result.

All other laboratories returned the expected positive result with those able to Grouping as Gp B.

Laboratories 1056, 1076, 1121, 1228, 1673, 1759, and 2950 were all Nil Returns for this exercise.



0004

Version: 09/03/2015

Paula Johnson
Scheme Coordinator
Animal and Plant Health Agency
Quality Assurance Unit
The Elms, College Road
Sutton Bonington
Loughborough
Leicestershire
LE12 5RB
UK
Authorised: 12/06/2015