



## Proficiency testing for veterinary laboratories

Distribution Date: 01/08/2017

### Results tabulation for 12977/BA PT0088: Salmonella in poultry

Culture	17/1552		17/1553		17/1554		17/1555		17/1556	
	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 Enteritidis (approx. 90,000 cfu per vial) + Citrobacter youngae		Salmonella Infantis (approx. 1000 cfu per vial)		Citrobacter youngae + Pseudomonas aeruginosa		Salmonella Typhimurium (approx. 600 cfu per vial) + Pseudomonas aeruginosa		Salmonella Hadar (approx. 16,000 cfu per vial)	
	+ve	Group D	+ve	Group C	-ve	Negative	+ve	Group B	+ve	Group C
1002	Unable to Test									
1067	+ve	S. ENTERITIDIS	+ve	S. INFANTIS	-ve		+ve	S. TYPHIMURIUM	+ve	S. HADAR
1089	+ve		+ve		-ve		+ve		+ve	
1114	+ve	S. Enteritidis	+ve	S. Infantis	-ve		+ve	S. Typhimurium	+ve	S. Hadar
1115	+ve		+ve		-ve		+ve		+ve	
1121	Nil Return									
1125	+ve	S. Enteritidis	-ve		-ve		-ve		+ve	S. Hadar
1127	+ve	Group D	+ve	Group C1	-ve		+ve	Group B	+ve	Group C2
1133	+ve	D O9	+ve	C O6,7	-ve	-	+ve	B O5	+ve	C O6,7
1143	+ve	Group D	+ve	Group C	-ve	Negative	+ve	Group B	+ve	Group C
1157	+ve	Salm. (Gp.D)	+ve	Salm. (Poly O)	-ve		+ve	Salm. (Gp.B)	+ve	Salm. (Poly O)
1158	+ve	S. Enteritidis	+ve	S. Infantis	-ve	-	+ve	S. Typhimurium	+ve	S. Hadar
1198	+ve	Group D	+ve	Group C1	-ve		+ve	Group B	+ve	Group C2
1217	+ve	O:9(D1)	+ve	O:7(C1)	-ve		+ve	O:4(B)	+ve	O:8(C2-C3)
1235	+ve		+ve		-ve		+ve		+ve	
1246	Unable to Test									
1318	+ve	Group: D	+ve	Group: C	-ve	Negative	+ve	Group: B	+ve	Group: C
1340	+ve	Group C	+ve	Group C	-ve	Negative	-ve	Negative	+ve	Group C
1382	+ve	S. Enteritidis	+ve	S. spp.	-ve		+ve	S. Typhimurium	+ve	s. spp.
1436	+ve	S. Enteritidis	+ve	S. Infantis	-ve		+ve	S. Typhimurium	+ve	S. Hadar
1487	+ve	D/S. Enteritidis	+ve	C	-ve		+ve	B/S. Typhimurium	+ve	C
1521	+ve	Group D	+ve		-ve		+ve		+ve	
1559	+ve	S. Enteritidis	+ve	S. Infantis	-ve		+ve	S. Typhimurium	+ve	S. Hadar
1626	+ve		+ve		-ve		+ve		+ve	
1647	Nil Return									
1654	+ve	Group D	+ve	Group C	-ve		+ve	Group B	+ve	Group C
1669	+ve	S. Enteritidis	+ve	S. Infantis	-ve		+ve	S. Typhimurium	+ve	S. Hadar
1685	+ve	Salmonella spp	+ve	Salmonella spp	-ve		+ve	Salmonella spp	+ve	Salmonella spp
1700		Salmonella spp.		Salmonella spp.		negativo		Salmonella spp.		Salmonella spp.
1703	+ve	Group D	+ve	Group C1	-ve		+ve	Group B	+ve	Group C2
1714	+ve	S. Enteritidis	+ve	S. Infantis	-ve		+ve	S. Typhimurium	+ve	S. Hadar
1733	+ve		+ve		-ve				+ve	
1770	+ve	S. enteritidis	+ve	S. infantis	-ve	c. youngae	+ve	S. typhimurium	+ve	S. hadar
1853	+ve	S. Enteritidis	+ve	S. Infantis	-ve		+ve	S. Typhimurium	+ve	S. Hadar
1877	Nil Return									
1884	+ve		+ve		-ve		+ve		+ve	
1894	+ve	salmonella spp.	+ve	salmonella spp.	-ve	citrobacter j.	+ve	salmonella spp.	+ve	salmonella spp.
1896	+ve	Enteritidis	+ve	Infantis	-ve		+ve	Typhimurium	+ve	Hadar
1905	+ve	Salmonella sp.	+ve	Salmonella sp.	-ve		+ve	Salmonella sp.	+ve	Salmonella sp.
1930	+ve		+ve		-ve		+ve		+ve	

Culture	17/1552		17/1553		17/1554		17/1555		17/1556	
	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 Enteritidis (approx. 90,000 cfu per vial) + Citrobacter youngae		Salmonella Infantis (approx. 1000 cfu per vial)		Citrobacter youngae + Pseudomonas aeruginosa		Salmonella Typhimurium (approx. 600 cfu per vial) + Pseudomonas aeruginosa		Salmonella Hadar (approx. 16,000 cfu per vial)	
	+ve	Group D	+ve	Group C	-ve	Negative	+ve	Group B	+ve	Group C
1944	+ve	Group D	+ve	Group C	-ve		+ve		+ve	Group C
1947	+ve	S. Enteritidis	+ve	S. Infantis	-ve		+ve	S. Typhimurium	+ve	S. Hadar
1980	+ve	S. Enteritidis	+ve	S. Infantis	-ve		+ve	S. Typhimurium	+ve	S. Hadar
2011	+ve		+ve		-ve		+ve		+ve	
2053	+ve	Salmonella spp	+ve	Salmonella spp	+ve	Salmonella spp	+ve	Salmonella spp	+ve	Salmonella spp
2096	Nil Return									
2098	+ve	GPD ENTERITIDIS	+ve	GPC INFANTIS	-ve	NOT SALMONELLA	+ve	GPB TYPHIMURIUM	+ve	GPC HADAR
2111	+ve	Enteritidis	+ve	Infantis	-ve		+ve	Typhimurium	+ve	Hadar
2112	+ve	D	+ve	C1/4	-ve		+ve	B	+ve	C2
2131	+ve	S. Enteritidis	+ve	S. Infantis	-ve	not detected	+ve	S. Typhimurium	+ve	S. Hadar
2143	+ve	S. Enteritidis	+ve	S. Infantis	-ve		+ve	S. Typhimurium	+ve	S. Hadar
2146	+ve		+ve		-ve		+ve		+ve	
2167	+ve	Enteritidis	+ve	Infantis	-ve		+ve	Typhimurium	+ve	Hadar
2186	+ve	Group D	+ve	Group C 1	-ve		+ve	Group B	+ve	Group C 2-3
2204	+ve		+ve		-ve		+ve		+ve	
2212	+ve	Salmonella spp.	+ve	Salmonella spp.	-ve		+ve	Salmonella spp.	+ve	Salmonella spp.
2229	-ve		-ve		-ve		-ve		-ve	
2240	+ve		+ve		-ve		+ve		+ve	
2262	+ve	Enteritidis	+ve	OMB	+ve	OMC	+ve	Typhimurium	+ve	OMB
2266	+ve		+ve		-ve		+ve		+ve	
2274	+ve		+ve		-ve		+ve		+ve	
2341	+ve	S. Enteritidis	+ve	S. Infantis	-ve		+ve	S. Typhimurium	+ve	S. Hadar
2356	+ve		+ve		-ve		+ve		+ve	
2386	+ve		+ve		-ve		+ve		+ve	
2426	+ve		+ve		-ve		+ve		+ve	
2508	+ve		+ve		-ve		+ve		+ve	
2532	+ve	S. enteritidis	+ve		-ve		+ve	S. typhimurium	+ve	
2552	+ve		+ve		-ve		+ve		+ve	
2573	+ve		+ve		-ve		+ve		+ve	
2578	+ve	Enteritidis	+ve	Infantis	-ve	not applicable	+ve	Typhimurium	+ve	Hadar
2670	+ve	Group C1	+ve	Group D1	+ve	Group C1	+ve	Group B	+ve	Group C2
2762	+ve		+ve		-ve		+ve		+ve	
2823	+ve		+ve		-ve		+ve		+ve	
2897	Nil Return									
2904	+ve	S. Enteritidis	+ve	S. Infantis	-ve	/	+ve	S. Typhimurium	+ve	S. Hadar
2925	+ve	Group D	+ve	Group C1	-ve		+ve	Group B	+ve	Group C2
3020	+ve	S. Enteritidis	+ve	S. Infantis	-ve		+ve	S. Typhimurium	+ve	S. Hadar

Intended results were determined using BPW into MSRV agar.

Comments provided by Gordon Bennett, APHA Lasswade

Labs 1121, 1647, 1877, 2096 and 2897 were Nil Returns.

Labs 1002 and 1246 were unable to test.

Sample 17/1552 - Intended - Positive, *S. Enteritidis* (Group D) + *Citrobacter youngae*

Lab 2229 incorrectly returned a negative result.

All other laboratories returned the expected positive result with those able to serogroup correctly grouping as Group D with the exception of laboratories 1340 and 2670 who incorrectly grouped the isolate as Group C.

Sample 17/1553 - Intended - Positive, *S. Infantis* (Group C)

Labs 1125 and 2229 incorrectly returned a negative result.

All other laboratories returned the expected positive result with those able to serogroup correctly grouping as Group C with the exception of laboratory 2670 who incorrectly grouped the isolate as Group D.

Sample 17/1554 - Intended - Negative, *Citrobacter youngae* and *Pseudomonas aeruginosa*

Laboratories 2053, 2262 and 2670 incorrectly returned a positive result.

All other laboratories returned the expected negative result.

Sample 17/1555 - Intended - Positive, *S. Typhimurium* (Group B) and *Pseudomonas aeruginosa*

Laboratories 1125, 1340 and 2229 incorrectly returned a negative result.

All other laboratories returned the expected positive result with those able to serogroup correctly grouping as Group B.

Sample 17/1556 - Intended - Positive, *S. Hadar* (Group C2)

Laboratory 2229 incorrectly returned a negative result.

All other laboratories returned the expected positive result with those able to serogroup correctly grouping the isolate as Group C.



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