



## Proficiency testing for veterinary laboratories

Distribution Date: 03/05/2016

## Results tabulation for 12373/BA PT0088: Salmonella in poultry

Culture	16/1379		16/1380		16/1381		16/1382		16/1383	
	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. 15,000 cfu per vial) + Pseudomonas aeruginosa		Citrobacter youngae		Salmonella Senftenberg (approx. 700 cfu per vial)		Salmonella Typhimurium monophasic (approx. 4000 cfu per vial)		Salmonella Senftenberg (approx. 700 cfu per vial)	
1002	+ve	Group D	-ve	Negative	+ve	Group E	+ve	Group B	+ve	Group E
1042	+ve	Enteritidis	-ve	No salmonella	+ve	Senftenberg	+ve	Gloucester	+ve	Senftenberg
1056	+ve	ENTERITIDIS/D	-ve		+ve	Group A	+ve	Group B	+ve	Group E
1067	+ve	S. Enteritidis	-ve		+ve	SENFTEBERG/E4	+ve	TYPHIMURIUM/B	+ve	SENFTEBERG/E4
1089	+ve		-ve		+ve	S.Senftenberg	+ve	S. Typhimurium	+ve	S.Senftenberg
1095	+ve		-ve		+ve		+ve		+ve	
1097	+ve		-ve		+ve		+ve		+ve	
1114	+ve	Group O:9 (D1)	-ve		+ve	O:3,19 (E4)	+ve	O:4 (B)	+ve	O:3,19 (E4)
1115	+ve	S. Enteritidis	-ve		+ve	S. Senftenberg	+ve	S. 4,5:i:-	+ve	S. Senftenberg
1121	+ve	Enteritidis	-ve	not applicable	+ve	spp. non-top 6	+ve	Typhimurium	+ve	spp. non-top 6
1125	+ve	S. Enteritidis	-ve		+ve		+ve	S.Typhimurium	+ve	
1127	+ve	S enteritidis	-ve		+ve	Group E	+ve	Group B	+ve	Group E
1133	+ve	Group D/O9	-ve		+ve	Group E	+ve	Group B/ O4	+ve	Group E
1143	+ve	Group D	+ve		+ve	Group E	+ve	Group B	+ve	Group E
1157	+ve	Salm. (Gp.D)	+ve	Salm. (Gp.D)	+ve	Salm. (Poly O)	+ve	Salm. (Gp.B)	+ve	Salm. (Poly O)
1158	+ve	S. Enteritidis	-ve	-	+ve	S. Senftenberg	+ve	S. Typhimurium	+ve	S. Senftenberg
1198	+ve	D	-ve		+ve	E4	+ve	B	+ve	E4
1217	+ve	O:9 (D1)	-ve		+ve	O:3,19 (E4)	+ve	O:4 (B)	+ve	O:3,19 (E4)
1228	+ve		-ve		+ve		+ve		+ve	
1235	+ve		-ve		+ve		+ve		+ve	
1246	+ve	S. Enteritidis	-ve		+ve	IC	+ve	S. Heidelberg	+ve	S. Senftenberg
1250	+ve	S. Enteritidis	-ve		+ve	S. Senftenberg	+ve	1,4,[5],12:i:-	+ve	S. Senftenberg
1297	+ve	Salmonella spp.	-ve	Negative	+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	Salmonella spp.
1318	+ve	D	-ve		+ve	E	+ve	B	+ve	E
1349	Nil Return									
1374	+ve	S.enteritidis	-ve	Citrobacter	+ve	S.senftenberg	+ve	4,5,12:i:-	+ve	S.senftenberg
1382	+ve	S.Enteritidis	-ve		+ve	Salmonella spp.	+ve	S.Typhimurium	+ve	Salmonella spp.
1387	+ve	serogroup D	-ve		+ve	BDC1C2-C3 neg	+ve	serogroup B	+ve	B C1C2-C3 neg
1436	+ve	S.Enteritidis	-ve		+ve	S.Senftenberg	+ve	S.Typhimurium	+ve	S.Senftenberg
1521	+ve	GroupD +	-ve		+ve		+ve		+ve	
1559	+ve	S. Enteritidis	-ve		+ve	S. Senftenberg	+ve	S.Typhim.monof.	+ve	S. Senftenberg
1614	+ve	not serotyped	-ve		+ve	not serotyped	+ve	not serotyped	+ve	not serotyped
1625	+ve	Salmonella spp.	-ve		+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	Salmonella spp.
1626	+ve		-ve		+ve		+ve		+ve	
1638	+ve		-ve		+ve		+ve		+ve	
1654	+ve	Group D	-ve		+ve	Group E/G	+ve	Group B	+ve	Group E/G
1669	+ve	S. Enteritidis	-ve		+ve	S. Senftenberg	+ve	S. Typhimurium	+ve	S. Senftenberg
1673	+ve		-ve		+ve		+ve		+ve	
1674	+ve	S. Enteritidis	-ve		+ve	S. Senftenberg	+ve	4,5,12:i:-	+ve	S.Senftenberg
1681	+ve	S.enteritidis	-ve		+ve	S.senftenberg	+ve	1,4,[5],12:i:-	+ve	S.senftenberg
1700		Salmonella spp.		Negativo		Salmonella spp.		Salmonella spp.		Salmonella spp.
1733	+ve		-ve		+ve		+ve		+ve	

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Intended	Salmonella Enteritidis (approx. 15,000 cfu per vial) + Pseudomonas aeruginosa		Citrobacter youngae		Salmonella Senftenberg (approx. 700 cfu per vial)		Salmonella Typhimurium monophasic (approx. 4000 cfu per vial)		Salmonella Senftenberg (approx.700 cfu per vial)	
	+ve	Group D	-ve	Negative	+ve	Group E	+ve	Group B	+ve	Group E
1759	+ve	Salmonella spp.	-ve	Citrobacter	+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	Salmonella spp.
1766	+ve	S. Enteritidis	-ve	Citrobac. spp.	+ve	S. Senftenberg	+ve	mono.S.Typhim.	+ve	S. Senftenberg
1770	+ve	S. enteritidis	-ve		+ve	Group E	+ve	S. typhimurium	+ve	Group E
1798	+ve	D / gm, -	-ve		+ve		+ve	B / i, -	+ve	
1812	+ve	Enteritidis	-ve		+ve	Seftenberg	+ve	4,[5],12:i:-	+ve	Seftenberg
1853	+ve	S. Enteritidis	-ve		+ve	S. Senftenberg	+ve	S. Typhimurium	+ve	S. Senftenberg
1877	+ve	Salmonella sp.	-ve		+ve	Salmonella sp.	+ve	Salmonella sp.	+ve	Salmonella sp.
1884	+ve		-ve		+ve		+ve		+ve	
1894	+ve	salmonella spp.	-ve		+ve	salmonella spp.	+ve	s. arizona	+ve	salmonella spp.
1896	+ve	S.Enteritidis	-ve		+ve	S.Senftenberg	+ve	S.Typhimurium	+ve	S.Senftenberg
1905	+ve	Salmonella sp.	-ve		+ve	Salmonella sp.	+ve	Salmonella sp.	+ve	Salmonella sp.
1944	+ve	Group D	-ve		+ve		+ve		+ve	
1947	+ve	D/Enteritidis	-ve	-	+ve	E/Senftenberg	+ve	B/Typhimurium	+ve	E/Senftenberg
1980	+ve	S. enteritidis	-ve		+ve	S. senftenberg	+ve	S. typhimurium	+ve	S. senftenberg
2053	+ve	Salmonella spp	-ve		+ve	Samonella 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	D ENTERITIDIS	-ve	NOT SALMONELLA	-ve	NO GROWTH	+ve	4,5,12:i:-	-ve	NO GROWTH
2111	+ve	Enteritidis	-ve		+ve	Senftenberg	+ve	1,4,5,12:i:-	+ve	Senftenberg
2112	+ve	D	-ve		+ve	E	+ve	B	+ve	E
2131	+ve	S. Enteritidis	-ve	not detected	+ve	Salmonella spp.	+ve	Salmonella O4,5	+ve	Salmonella spp.
2143	+ve	S. Enteritidis	-ve		+ve	S. Senftenberg	+ve	S. Typhimurium	+ve	S. Senftenberg
2151	+ve		-ve		+ve		+ve		+ve	
2167	+ve	S. Enteritidis	-ve		+ve	S. Senftenberg	+ve	S. 4,5,12:i:-	+ve	S. Senftenberg
2173	+ve		-ve		+ve		+ve		+ve	
2186	+ve	Group D	-ve		+ve	Group E	+ve	Group B	+ve	Group E
2204	+ve		-ve		+ve		+ve		+ve	
2212	+ve	Salmonella spp.	-ve		+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	Salmonella spp.
2229	+ve	S. Enteritidis	+ve	Other	+ve	Other	+ve	S. Typhimurium	+ve	Other
2240	+ve		-ve		+ve		+ve		+ve	
2262	+ve	ENTERITIDIS	-ve		+ve		+ve	TYPHIMURIUM	-ve	
2266	+ve		-ve		+ve		+ve		+ve	
2274	+ve		-ve		+ve		+ve		+ve	
2356	+ve		-ve		+ve		+ve		+ve	
2386	+ve		-ve		+ve		+ve		+ve	
2426	+ve		-ve		+ve		+ve		+ve	
2441	+ve		-ve		+ve		+ve		+ve	
2455	+ve		-ve		+ve		+ve		+ve	
2459	+ve	O9+	-ve		+ve		+ve		+ve	
2472	+ve	S. enteritidis	-ve		+ve		+ve		+ve	
2529	+ve		-ve		+ve		+ve		+ve	
2543	+ve	S. group D	-ve	negative	+ve	S.group E	+ve	S. group B	+ve	S. group E
2552	+ve		-ve		+ve		+ve		+ve	
2573	+ve		-ve		+ve		+ve		+ve	
2578	Nil Return									
2626	+ve		-ve		+ve		+ve		+ve	
2628	+ve	Enteritidis	-ve		+ve	not O:4,5 O:9	+ve	O4,5:i	+ve	not O4,5 O:9
2636	+ve		-ve		+ve		+ve		+ve	

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Intended	Salmonella Enteritidis (approx. 15,000 cfu per vial) + Pseudomonas aeruginosa		Citrobacter youngae		Salmonella Senftenberg (approx. 700 cfu per vial)		Salmonella Typhimurium monophasic (approx. 4000 cfu per vial)		Salmonella Senftenberg (approx. 700 cfu per vial)	
	+ve	Group D	-ve	Negative	+ve	Group E	+ve	Group B	+ve	Group E
2667	+ve	Salmonella spp	-ve	negative	+ve	Salmonella spp	+ve	Salmonella spp	+ve	salmonella spp
2670	+ve	Group D1	-ve		+ve	Salmonella sp.	+ve	Group B	+ve	Salmonella sp.
2726	+ve	D	-ve		+ve	E	+ve	B	+ve	E
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	Salmonella spp.	-ve		+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	Salmonella spp.
2904	+ve	enteritidis	-ve		+ve		+ve	typhimurium	+ve	
2907	+ve	Group D	-ve	Negative	+ve	Group E or G	+ve	Group B	+ve	Group E or G
2922	+ve		-ve		+ve		+ve		+ve	
2925	+ve	Group D	-ve		+ve	Group E	+ve	Group B	+ve	Group E
2926	+ve		-ve		+ve		+ve		+ve	
2950	+ve	Serogrup -	-ve		+ve	Serogrup -	+ve	Serogrup -	+ve	Serogrup -
3002	+ve		-ve		+ve		+ve		+ve	
3015	+ve		-ve		+ve		+ve		+ve	
3020	+ve	S. Enteritidis	-ve		+ve	S. Senftenberg	+ve	S. Typhimurium	+ve	S. Senftenberg
3061	+ve		-ve		+ve		+ve		+ve	
3076	+ve	Salmonella spp	-ve		+ve	Salmonella spp	+ve	Salmonella spp	+ve	Salmonella spp
3081	+ve	Salmonella spp	-ve		+ve	Salmonella spp	+ve	Salmonella spp	+ve	Salmonella spp
3086	+ve	S. enteritidis	-ve		+ve		+ve	4,5,12:i -	+ve	
3134	+ve	Salmonella spp	-ve		+ve	Salmonella spp	+ve	Salmonella spp	+ve	Salmonella spp
3154	+ve	Enteritidis	-ve		+ve	spp.	+ve	Typhimurium	+ve	spp.

Intended results were determined using BPW into MSRV agar.

Sample 16/1381 = 16/1383

#### Comments provided by Gordon Bennett, APHA Lasswade

Sample 16/1379 - Intended - Positive, S. Enteritidis (Group D) and Pseudomonas aeruginosa

All laboratories returned the expected positive result with those that are able correctly serogrouping as Group D or serotyped the isolate as S. Enteritidis.

Sample 16/1380 - Intended - Negative, Citrobacter youngae

Laboratories 1143, 1157 and 2229 incorrectly returned a positive result.

All other laboratories returned the expected negative result.

Sample 16/1381 - Intended - Positive, S. Senftenberg (Group E)

Laboratory 2098 returned an incorrect negative result.

Laboratory 1246 returned an inconclusive result.

Laboratory 1042 returned a positive Group A result.

All other laboratories returned the expected positive result with those that are able correctly serogrouping as Group E or serotyped the isolate as S. Senftenberg.

Sample 16/1382 - Intended - Positive, S. Typhimurium monophasic (Group B)

All laboratories returned the expected positive result, however:

- Laboratory 1002 incorrectly serotyped the isolate as S. Gloucester.
- Laboratory 1246 incorrectly serotyped the isolate as S. Heidelberg.
- Laboratory 1894 incorrectly serotyped the isolate as S. arizonae.

All other laboratories correctly serogrouped the isolate as Group B or serotyped the isolate as a S. Typhimurium.

16/1383 - Intended - Positive, S. Senftenberg (Group E)

Laboratories 2098 and 2262 returned an incorrect negative result.

All other laboratories returned the expected positive result with those that are able correctly serogrouping the isolate as Group E or serotyped the isolate as S. Senftenberg.

Laboratories 1349 and 2578 were Nil Returns.

Laboratory 3043 has withdrawn from the scheme.



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