



## Proficiency testing for veterinary laboratories

### Results tabulation for 13769/BA PT0088: Salmonella in poultry

Distribution Date: 07/05/2019

Culture	19/1616		19/1617		19/1618		19/1619		19/1620	
	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 Senftenberg (approx 15,000 cfu per vial)		Escherichia coli + Pseudomonas aeruginosa		Salmonella Kentucky (approx. 1300 cfu per vial)		Salmonella Enteritidis (approx. 4000 cfu per vial) + Pseudomonas aeruginosa		Salmonella Typhimurium (approx. 7000 cfu per vial) + Pseudomonas aeruginosa	
	+ve	Group E	-ve	Negative	+ve	Group C	+ve	Group D	+ve	Group B
1002	+ve	E4	-ve		+ve	C3	+ve	D1	+ve	B
1023	+ve		-ve		+ve		+ve		+ve	
1033	+ve	E/S.Senftenberg	-ve		+ve	C/S.Kentucky	+ve	D/S.Enteritidis	+ve	B/S.Typhimurium
1067	+ve	S. Seftenberg	-ve		+ve	S. Kentucky	+ve	S. Enteritidis	+ve	S. Typhimurium
1089	+ve		-ve		+ve		+ve		+ve	
1095	+ve		-ve		+ve		+ve		+ve	
1097	+ve		-ve		+ve		+ve		+ve	
1114	+ve	S.Senftenberg	-ve		+ve	S. Kentucky	+ve	S. Enteritidis	+ve	S. Typhimurium
1115	+ve	S. Senftenberg	-ve		+ve	S. Kentucky	+ve	S. Enteritidis	+ve	S. Typhimurium
1121	+ve	S. Senftenberg	+ve	S. heidelberg	+ve	S. Kentucky	+ve	S. Enteritidis	+ve	S. Typhimurium
1125	+ve		-ve		+ve		+ve	S. Enteritidis	+ve	S. Typhimurium
1127	+ve	Group E	-ve	Negative	+ve	Group C2	+ve	Group D	+ve	Group B
1133	+ve	Group E	-ve		+ve	Group C (08)	+ve	Group D	+ve	Group B
1143	+ve	GROUP E	-ve	NEGATIVE	+ve	GROUP C	+ve	GROUP D	+ve	GROUP B
1158	+ve	S. Senftenberg	-ve	-	+ve	S. Kentucky	+ve	S. Enteritidis	+ve	S. Typhimurium
1161	+ve	Group E 4	-ve		+ve	Group C 3	+ve	Group D 1	+ve	Group B
1198	+ve	Group E4	-ve		+ve	Group C2	+ve	Group D	+ve	Group B
1217	+ve	O:3,19(E4)	-ve		+ve	O:8(C2-C3)	+ve	O:9(D1)	+ve	O:4(B)
1228	+ve		-ve		+ve		+ve		+ve	
1235	+ve		-ve		+ve		+ve		+ve	
1246	+ve		-ve		+ve		+ve		+ve	
1261	+ve	Group E4	-ve		+ve	Group C3	+ve	Group D1	+ve	Group B
1297	+ve		-ve		+ve		+ve		+ve	
1318	+ve		-ve	Negative	+ve	Group: C	+ve	Group: D	+ve	Group: B
1340	+ve		-ve		+ve		-ve		+ve	
1374	+ve	Group E	-ve	Negative	+ve	Group C	+ve	Group D	+ve	Group B
1382	+ve	Salmonella spp.	-ve		+ve	Salmonella spp.	+ve	S. Enteritidis	+ve	S. Typhimurium
1387	+ve	not B, D, C1-C3	-ve	-	+ve	Serogroup C2-C3	+ve	serogroup D	+ve	Serogroup B
1436	+ve	S.Senftenberg	-ve		+ve	S.Kentucky	+ve	S.Enteritidis	+ve	S.Typhimurium
1521	+ve		-ve		+ve		+ve	Group D	+ve	
1559	+ve	Sal. group E	-ve		+ve	Sal. group C	+ve	S.Enteritidis	+ve	S.Typhimurium
1614	+ve	NOT SEROTYPED	-ve		+ve	NOT SEROTYPED	+ve	NOT SEROTYPED	+ve	NOT SEROTYPED
1626	+ve		-ve		+ve		+ve		+ve	
1638	+ve		-ve		+ve		+ve		+ve	
1641	+ve	E 3,19:g,s,t:-	-ve		+ve	C 6,8,20:i:z6	+ve	D 9,12:g,m:-	+ve	B 4,5:i:-
1647	+ve	ext. serotyping	-ve		+ve	ext. serotyping	+ve	S. Enteritidis	+ve	S. Typhimurium
1654	+ve	Group E/G	-ve		+ve	Group C	+ve	Group D	+ve	Group B
1669	+ve	S.Senftenberg	-ve		+ve	S. Kentucky	+ve	S. Enteritidis	+ve	S. Typhimurium
1674	+ve	S. Senftenberg	-ve		+ve	S. Kentucky	+ve	S. Enteritidis	+ve	S. Typhimurium
1685	+ve		-ve		+ve		+ve		+ve	
1700	+ve	S.Senftenberg	-ve		+ve	S.Kentucky	+ve	S.Enteritidis	+ve	S.Typhimurium

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Intended	Salmonella Senftenberg (approx 15,000 cfu per vial)		Escherichia coli + Pseudomonas aeruginosa		Salmonella Kentucky (approx. 1300 cfu per vial)		Salmonella Enteritidis (approx. 4000 cfu per vial) + Pseudomonas aeruginosa		Salmonella Typhimurium (approx. 7000 cfu per vial) + Pseudomonas aeruginosa	
	+ve	Group E	-ve	Negative	+ve	Group C	+ve	Group D	+ve	Group B
1733	+ve		-ve		+ve		+ve		+ve	
1759	+ve	Salmonella spp.	-ve		+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	Salmonella spp.
1770	+ve	Group E	-ve		+ve	Group C	+ve	S. enteritidis	+ve	S. typhimurium
1798	+ve		-ve		+ve	C2/r i	+ve	S. enteritidis	+ve	S. thyphimurium
1853	+ve	S. Senftenberg	-ve		+ve	S. Kentucky	+ve	S. Enteritidis	+ve	S. Typhimurium
1884	+ve		-ve		+ve		+ve		+ve	
1894	+ve	salmonella spp.	-ve		+ve	salmonella spp.	+ve	salmonella spp.	+ve	salmonella spp.
1896	+ve		-ve		+ve		+ve		+ve	
1905	+ve		-ve		+ve		+ve		+ve	
1947	+ve	S. Senftenberg	-ve		+ve	O8/Extern	+ve	S. Enteritidis	+ve	S. Typhimurium
1980	+ve	S.Senfteneberg	-ve		+ve	S. Kentucky	+ve	S. Enteritidis	+ve	S. Typhimurium
2021	+ve	Salmonella spp	-ve		+ve	Salmonella spp	+ve	Salmonella spp	+ve	Salmonella spp
2053	+ve	Salmonella spp	-ve		+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	G Senftenberg	-ve	No growth	+ve	C3 Kentucky	+ve	D Enteritidis	+ve	B Typhimurium
2111	+ve	Senftenberg	-ve		+ve	Kentucky	+ve	Enteritidis	+ve	Typhimurium
2112	+ve	E	-ve		+ve	C	+ve	D	+ve	B
2131	+ve	S. Senftenberg	-ve	not detected	+ve	S. O-6,7,8	+ve	S. Enteritidis	+ve	S. Typhimurium
2143	+ve	S. Senftenberg	-ve		+ve	S. Kentucky	+ve	S. Enteritidis	+ve	S. Typhimurium
2146	+ve		-ve		+ve		+ve		+ve	
2151	+ve		-ve		+ve		+ve		+ve	
2167	+ve	S. Senftenberg	-ve		+ve	S. Kentucky	+ve	S. Enteritidis	+ve	S. Typhimurium
2204	+ve		-ve		+ve		+ve		+ve	
2212	+ve	Salmonella spp.	-ve		+ve	Salmonella spp	+ve	Salmonella spp.	+ve	Salmonella spp
2229	+ve	S. Senftenberg	-ve		+ve	S. Kentucky	+ve	S. Enteritidis	+ve	S. Typhimurium
2240	+ve		-ve		+ve		+ve		+ve	
2262	+ve	Not identify	-ve		+ve	OMB	+ve	S.enteritidis	+ve	S.typhimurium
2266	+ve		-ve		+ve		+ve		+ve	
2273	Nil Return									
2274	+ve		-ve		+ve		+ve		+ve	
2356	+ve		-ve		+ve		+ve		+ve	
2386	+ve		-ve		+ve		+ve		+ve	
2412	+ve	Salmonella spp	-ve		+ve	Salmonella spp	+ve	S. Enteritidis	+ve	S. Typhimurium
2426	+ve		-ve		+ve		+ve		+ve	
2441	+ve		-ve		+ve		+ve		+ve	
2455	+ve		-ve		+ve		+ve		+ve	
2459	+ve		-ve		+ve	OMB	+ve	O9	+ve	O4
2472	+ve		-ve		+ve		+ve	S. enteritidis	+ve	S. typhimurium
2508	+ve	Salmonella spp.	-ve	Negative	+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	Salmonella spp.
2529	+ve		-ve		+ve		+ve		+ve	
2552	+ve		-ve		+ve		+ve		+ve	
2573	+ve		-ve		+ve		+ve		+ve	
2626	+ve		-ve		+ve		+ve		+ve	
2636	+ve		-ve		+ve		+ve		+ve	
2670	+ve	Salmonella sp.	-ve		+ve	Group C3	+ve	Group D1	+ve	Group B
2726	+ve	E	-ve		+ve	C	+ve	D	+ve	B
2753	+ve		-ve		+ve		+ve		IC	

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	+ve	Group E	-ve	Negative	+ve	Group C	+ve	Group D	+ve	Group B
2762	+ve		-ve		+ve		+ve		+ve	
2799	+ve	Salmonella	-ve		+ve	Salmonella	+ve	Salmonella	+ve	Salmonella
2816	+ve		-ve		+ve		+ve		+ve	
2886	+ve		-ve		+ve		+ve		+ve	
2897	+ve	E or G	-ve		+ve	C	+ve	D	+ve	B
2907	+ve	Group E/G	-ve		+ve	Group C	+ve	Group D	+ve	Group B
2925	+ve	serogroup E	-ve		+ve	serogroup C2	+ve	serogroup D	+ve	serogroup B
2926	+ve		+ve		-ve		-ve		+ve	
2930	+ve		-ve		+ve		+ve		+ve	
2959	+ve		-ve		+ve		+ve		+ve	
3002	+ve		-ve		+ve		+ve		+ve	
3015	+ve		-ve		+ve		+ve		+ve	
3020	+ve	S. Senftenberg	-ve		+ve	S. Kentucky	+ve	S. Enteritidis	+ve	S. Typhimurium
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		+ve	enteritidis	+ve		+ve	enteritidis	+ve	typhimurium
3134	+ve	Salmonella spp.	-ve	non Salmonella	+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	Salmonella spp.
3154	+ve		-ve		+ve		+ve		+ve	
3361	+ve	Group E	-ve		+ve	Group C2	+ve	Group D	+ve	Group B

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

#### Comments provided by Michael Elliott, APHA Newcastle

#### Sample 19/1616 - Salmonella Senftenberg (approx 15,000 cfu per vial) – Positive Group E

All participants correctly reported as positive, including group and serotype results where provided.

#### Sample 19/1617 - Escherichia coli & Pseudomonas aeruginosa - Negative

All participants correctly reported negative other than laboratories 1121, 2926 and 3086.

#### Sample 19/1618 - Salmonella Kentucky (approx. 1300 cfu per vial) – Positive Group C

All participants correctly reported as positive, including group and serotype results where provided, with the exception of Laboratory 2926.

#### Sample 19/1619 - Salmonella Enteritidis (approx. 4000 cfu per vial) & Pseudomonas aeruginosa – Positive Group D

All participants correctly reported as positive, including group and serotype results where provided, with the exception of Laboratories 1340 and 2926.

#### Sample 19/1620 - Salmonella Typhimurium (approx. 7000 cfu per vial) & Pseudomonas aeruginosa – Positive Group B

All participants correctly reported as positive, including group and serotype results where provided.

Laboratory 2753 did report the sample as inconclusive, noting that there was an atypical reaction for the H antiserum result.

There was one Nil Return.

Vetqas comment: Participants in this distribution were from countries including South Africa, Italy, The Netherlands, Portugal, India, UK, Turkey, Canada, Belgium, Eire, Croatia, Germany, Chile, USA, Thailand, Spain, Greece, Cyprus, Brazil and Singapore, The Nation of Brunei and Republic of Korea.



Version: 05/12/2017

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