



Proficiency testing for veterinary laboratories

Distribution Date: 06/08/2019

Results tabulation for 13867/BA PT0088: Salmonella in poultry

Culture	19/1853		19/1854		19/1855		19/1856		19/1857	
	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. 10,000 cfu per vial)		Salmonella Virchow (approx. 4000 cfu per vial)		Salmonella Enteritidis (approx. 10,000 cfu per vial) + Pseudomonas aeruginosa		Salmonella Typhimurium monophasic (approx. 50,000 cfu per vial)		Citrobacter youngae	
1002	+ve	Group E	+ve	Group C	+ve	Group D	+ve	Group B	-ve	Negative
1023	+ve	Senftenberg	+ve	Virchow	+ve	Enteritidis	+ve	4,12,i	-ve	
1033	+ve	Salmonella spp	+ve	Salmonella spp	+ve	Salmonella spp	+ve	Salmonella spp	-ve	
1056	+ve	E/Senftenberg	+ve	C/Virchow	+ve	D/Enteritidis	+ve	B/Typhimurium	-ve	
1067	+ve	E4/Senftenberg	+ve	C1/Virchow	+ve	D1/Enteritidis	+ve	B	-ve	-
1076	+ve	S. Senftenberg	+ve	S. Virchow	+ve	S. Enteritidis	+ve	S. Typhimurium	-ve	
1089	+ve	S. senftenberg	+ve	S. infantis	+ve	S. enteritidis	+ve	S. typhimurium	-ve	
1114	+ve		+ve		-ve		+ve		-ve	
1115	+ve	S. Senftenberg	+ve	S. Virchow	+ve	S. Enteritidis	+ve	S. Typhimurium	-ve	
1121	+ve	S. Senftenberg	+ve	S. Virchow	+ve	S. Enteritidis	+ve	1,4,[5],12:i:-	-ve	
1125	+ve	S. Senftenberg	+ve	S. Virchow	+ve	S. Enteritidis	+ve	S. Typhimurium	-ve	
1127	+ve		+ve		+ve		+ve		-ve	
1133	+ve	Group E	+ve	Group C1	+ve	Group D	+ve	Group B	-ve	Negative
1143	+ve	Group E	+ve	group C	+ve	group D	+ve	group B	-ve	
1157	+ve	Group E	+ve	Group C	+ve	Group D	+ve	Group B	-ve	Negative
1158	+ve	Salm. (Poly O)	+ve	Salm. (Poly O)	+ve	Salm. (Gp.D)	+ve	Salm. (Gp.B)	-ve	
1161	+ve	S. Senftenberg	+ve	S. Virchow	+ve	S. Enteritidis	+ve	Typhimurium,mon	-ve	-
1188	+ve	Group E4	+ve	Group C1	+ve	Group D1	+ve	Group B	-ve	
1198	+ve	GroupE	+ve	GroupC	+ve	GroupD	+ve	GroupB	-ve	
1217	+ve	Group E	+ve	Group C1	+ve	Group D	+ve	Group B	-ve	
1235	+ve	-O:3,19(E4)	+ve	O:7 (C1)	+ve	- O:9 (D1)	+ve	- O:4 (B)	-ve	
1246	+ve		+ve		+ve		+ve		-ve	
1261	+ve	E4 (O 1,3,19)	+ve	C1 (O 6,7)	+ve	D1 (O 9)	+ve	B (O 4)	-ve	
1318	+ve	Group: E	+ve	Group: C	+ve	Group: D	+ve	Group: B	-ve	Negative
1349	+ve		+ve		+ve		+ve		-ve	
1382	+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	S. Enteritidis	+ve	S. Typhimurium	-ve	
1387	+ve		+ve	C1	+ve	D	+ve	B	-ve	
1436										
1521	+ve		+ve		+ve	Group D	+ve		-ve	
1559	+ve	S. Senftenberg	+ve	S. Virchow	+ve	S. Dublin	+ve	S. typh.monof.	-ve	
1626	+ve		+ve		+ve		+ve		-ve	
1641	+ve	E senftenberg	+ve	C virchow	+ve	D enteritidis	+ve	B typhimurium	-ve	
1647	+ve	ext serotyping	+ve	S. Virchow	+ve	S. Enteritidis	+ve	ext serotyping	-ve	
1654	+ve	Group E/G	+ve	Group C	+ve	Group D	+ve	Group B	-ve	
1669	+ve	S.Senftenberg	+ve	S. Virchow	+ve	S. Enteritidis	+ve	S. Typhimurium	-ve	
1700	+ve	Senftenberg(E4)	+ve	Virchow (C1)	+ve	Enteritidis(D1)	+ve	Typhim.monof(B)	-ve	
1703	+ve	Salmonella spp.	+ve	Group C1	+ve	Goup D	+ve	Group B.	-ve	
1770	+ve	Group E	+ve	Group C	+ve	S. enteritidis	+ve	S. typhimurium	-ve	
1853	+ve	S. Senftenberg	+ve	S. Virchow	+ve	S. Enteritidis	+ve	S. Typhimurium	-ve	
1884	+ve		+ve		+ve		+ve		-ve	

Culture	19/1853		19/1854		19/1855		19/1856		19/1857	
	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. 10,000 cfu per vial)		Salmonella Virchow (approx. 4000 cfu per vial)		Salmonella Enteritidis (approx. 10,000 cfu per vial) + Pseudomonas aeruginosa		Salmonella Typhimurium monophasic (approx. 50,000 cfu per vial)		Citrobacter youngae	
	+ve	Group E	+ve	Group C	+ve	Group D	+ve	Group B	-ve	Negative
1894	+ve		+ve		+ve		+ve		-ve	
1896	+ve		+ve		+ve		+ve		-ve	
1905	+ve		+ve		+ve		+ve		-ve	
1944	+ve	Group E	+ve	Group C	+ve	Group D	+ve	Group B	IC	
1947	+ve	S.Senftenberg	+ve	S.Virchow	+ve	S.Enteritidis	+ve	S. Typhimurium	-ve	
1980	+ve	S. Senftenberg	+ve	S. Virchow	+ve	S. Enteritidis	+ve	S. Typhimurium	-ve	
2011	+ve		-ve		+ve		+ve		-ve	
2021	+ve	Salmonella spp	+ve	Salmonella spp	+ve	Salmonella spp	+ve	Salmonella spp	-ve	
2053	+ve	Salmonella spp	+ve	Salmonella spp	+ve	Salmonella spp	+ve	Salmonella spp	-ve	
2096	+ve		+ve		+ve		+ve		-ve	
2098	+ve	E Senftenberg	+ve	C Virchow	+ve	D Enteritidis	+ve	B 4,5,12:i:-	-ve	No Growth
2111	+ve	S. Senftenberg	+ve	S. Virchow	+ve	S. Enteritidis	+ve	Typhimurium(mf)	-ve	
2112	+ve	E	+ve	C	+ve	D	+ve	B	-ve	
2131	+ve	S. Senftenberg	+ve	S. Virchow	+ve	S. Enteritidis	+ve	S.O-4,5 Group B	-ve	not detected
2143	+ve	S. Senftenberg	+ve	S. Virchow	+ve	S. Enteritidis	+ve	S. Typhimurium	-ve	
2167	+ve	S. Senftenberg	+ve	S. Virchow	+ve	S. Enteritidis	+ve	S. 4,5,12:i:-	+ve	S. 4,5,12:i:-
2204	+ve		+ve		+ve		+ve		-ve	
2212	+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	Salmonella spp.	-ve	
2229	+ve	Other	+ve	S. Virchow	+ve	S. Enteritidis	+ve	S. typhimurium	-ve	
2240	+ve		+ve		+ve		+ve		-ve	
2273										
2274	+ve		+ve		+ve		+ve		-ve	
2292	+ve		+ve		+ve		+ve		-ve	
2326	+ve		+ve		+ve		+ve		-ve	
2356	+ve		+ve		+ve		+ve		-ve	
2412	+ve	O4, S. spp	+ve	S. Heidelberg	+ve	S. Enteritidis	+ve	O4, S. 4:i:-	-ve	
2426	+ve		+ve		+ve		+ve		-ve	
2472	+ve		+ve	S. Virchow	+ve	S. Enteritidis	+ve		-ve	
2508	+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	Salmonella spp.	+ve	Salmonella spp.	-ve	
2532	+ve		+ve		+ve	D/S.enteritidis	+ve	B/S.typhimurium	-ve	
2552	+ve		+ve		+ve		+ve		-ve	
2573	+ve		+ve		+ve		+ve		-ve	
2578	+ve	B-C-D-	+ve	C1 pos	+ve	D pos	-ve		+ve	B pos
2596	+ve	E	+ve	C	+ve	D S.enteritidis	+ve	B S.Typhimurium	-ve	
2670	+ve	Salmonella sp.	+ve	Group C1	+ve	Group D1	+ve	Group B	-ve	N/A
2726	+ve	E	+ve	C	+ve	D	+ve	B	-ve	
2762										
2799	+ve	Salmonella	+ve	Salmonella	+ve	Salmonella	+ve	Salmonella	-ve	
2827	+ve	Salomnella spp.	-ve		+ve	Salmonella spp.	-ve		+ve	Salm. arizonae
2897										
2925	+ve	Group E	+ve	Group C1	+ve	Group D	+ve	Group E	-ve	
2926	+ve		+ve		+ve		+ve		-ve	
3015	+ve		+ve		+ve		+ve		-ve	
3361	+ve	Group E	+ve	Group C1	+ve	Group D	+ve	Group B	-ve	

Intended results were determined using BPW into MSRV agar.

Comments provided by Paula Johnson, Quality Assurance Unit Sutton Bonington

The majority of laboratories reported the correct detection of Salmonella from these five samples and identification where included to serotype and/or serogroup.

Sample 19/1853 - Salmonella positive - Senftenberg (Group E)

Lab 2412 incorrectly reported O4 (Group B).

Sample 19/1854 - Salmonella positive - Virchow (Group C)

Labs 2011 and 2827 failed to isolate Salmonella from this sample.

Lab 1076 reported the incorrect serotype Infantis and Lab 2412 Heidelberg.

Sample 19/1855 - Salmonella positive - Enteritidis (Group D)

Lab 1089 incorrectly reported this sample as Salmonella negative.

Lab 1559 isolated Salmonella but reported Dublin.

Sample 19/1856 - Salmonella positive - Typhimurium monophasic (Group B)

Labs 2578 and 2827 failed to isolate Salmonella from this sample.

Lab 2925 reported the incorrect sero group E.

Several laboratories were able to correctly identify the serotype as being monophasic.

Sample 19/1857 - Salmonella negative

This sample did not contain Salmonella. Three labs (2167, 2578 and 2827) incorrectly recorded that Salmonella was isolated from this sample.

Lab 1944 reported an inconclusive result for this sample.

Lab 2573 appears to have mixed up samples 19/1856 and 19/1857. There may also have been a mix up of samples by Lab 2827 who incorrectly reported subsp arizonae.

Cross-contamination from sample 19/1856 looks likely to have occurred for Lab 2167.

There were four Nil Returns.

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



Version: 05/12/2017

Paula Johnson
Scheme Coordinator
Animal and Plant Health Agency
Quality Assurance Unit
The Elms, College Road
Sutton Bonington
Loughborough
Leicestershire
LE12 5RB
UK
Authorised: 23/09/2019