



Results tabulation for 15689/BA PT0088: Salmonella in poultry

Distribution Date: 06/02/2024

Culture	24/1183		24/1184		24/1185		24/1186	
	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	Simulated chick box liner - Citrobacter youngae + Escherichia coli		Simulated boot swabs - Salmonella Derby (approx. 1085 cfu per vial)		Simulated boot swabs - Escherichia coli + Pseudomonas aeruginosa		Simulated 10 g faeces- Salmonella Typhimurium monophasic (approx. 1215 cfu per vial)	
	-ve	Negative	+ve	Group B	-ve	Negative	+ve	Group B
1002	-ve		+ve	Derby	-ve		+ve	B:4,5,12
1023	-ve		+ve		-ve		+ve	
1033	-ve		+ve	B	-ve		+ve	B
1042	-ve		+ve	Group B	-ve		+ve	Typhimurium
1067	-ve		+ve	S. Derby	-ve		+ve	Typhim. monof.
1075	-ve		+ve	O:4	-ve		+ve	O:4
1076	Nil Return							
1081	-ve		+ve	Group B 4fg	-ve		+ve	Group B 4i
1089	-ve		+ve		-ve		+ve	
1114	-ve		+ve	S. Derby	-ve		+ve	Mon. S. Typhim
1115	-ve		+ve	S. Derby	-ve		+ve	4,[5],12:i:-
1127	-ve		+ve	Group B	-ve		+ve	Group B
1133	-ve	Negative	+ve	Group B	-ve	Negative	+ve	Group D
1143	-ve	Negative	+ve	Group B	-ve	Negative	+ve	Group B
1157	-ve		+ve	Salm. (Group B)	-ve		+ve	Salm. (Group B)
1158	-ve	-	+ve	S. Derby	-ve	-	+ve	S.T, mono
1161	-ve		+ve		-ve		+ve	
1190	-ve		+ve	Salmonella spp.	-ve		+ve	Salmonella spp.
1198	-ve		+ve	Group B	-ve		+ve	Group B
1217	-ve		+ve	S derby	-ve		+ve	O:4 (B)
1235	-ve		+ve	S. Derby	-ve		+ve	S. Typhimurium
1239	-ve		+ve	Groupe B(O:4,5)	-ve		+ve	Groupe B(O:4,5)
1246		-ve		+ve		-ve		+ve
1349	Nil Return							
1382	-ve		+ve		-ve		+ve	Typhimurium
1387	-ve		+ve	B	-ve		+ve	B
1436	+ve	S.Indiana	+ve	S.Derby	+ve	S.Hadar	+ve	O4;i,-

Culture	24/1183		24/1184		24/1185		24/1186	
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Intended	Simulated chick box liner - Citrobacter youngae + Escherichia coli		Simulated boot swabs - Salmonella Derby (approx. 1085 cfu per vial)		Simulated boot swabs - Escherichia coli + Pseudomonas aeruginosa		Simulated 10 g faeces- Salmonella Typhimurium monophasic (approx. 1215 cfu per vial)	
	-ve	Negative	+ve	Group B	-ve	Negative	+ve	Group B
1559	-ve		+ve	S. Derby	-ve		+ve	comment below
1626	-ve		+ve		-ve		+ve	
1638	-ve		+ve		-ve		+ve	
1641	Nil Return							
1647	-ve		+ve	External seroty	-ve		+ve	ST Monofasisch
1648	Unable To Test							
1654	-ve	N/A	+ve	Group B	-ve	N/A	+ve	Group B
1658	-ve	-	+ve	-	-ve	-	+ve	-
1669	-ve		+ve	S. Derby	-ve		+ve	S. Typhimurium
1700	-ve		+ve	S. Derby	-ve		+ve	S. Typhimurium
1770	Unable To Test							
1884	-ve		+ve		-ve		+ve	
1894	-ve		+ve	S. Derby	-ve		+ve	S. Typhimurium
1896	-ve		+ve		-ve		+ve	
1905	Withdrawn							
1919	-ve	citrobacter.spp	+ve	S.derby	-ve		+ve	S.brancaster
1947	-ve		+ve	O:4,5+ external	-ve		+ve	S. Typh. mono
1980	-ve		+ve	B/S. Derby	-ve		+ve	B/S.Typhimurium
2021	-ve		+ve		-ve		+ve	
2027	-ve		+ve	S. Derby	-ve		+ve	Group B
2053	-ve		+ve	Salmonella spp	-ve		+ve	Salmonella spp
2084	-ve		+ve	Salmonella spp	-ve		+ve	Salmonella spp
2098	-ve	NOT SALMONELLA	+ve	GROUP B / DERBY	-ve	NO GROWTH NVO	+ve	B / 4,5,12:i:-
2111	-ve		+ve	S. Derby	-ve		+ve	S1,4,[5],12:i:-
2112	-ve		+ve	B	-ve		+ve	B
2131	-ve	not detected	+ve	O:4,12 H:g	-ve	not detected	+ve	S. Typhimurium
2143	Unable To Test							
2146	-ve		+ve		-ve		+ve	
2204	-ve		+ve		-ve		+ve	
2212	-ve		+ve	Salmonella spp.	-ve		+ve	Salmonella spp.
2229	-ve		+ve	S. Derby	-ve		+ve	S.Typh. mono
2240	-ve		+ve	B	-ve		+ve	B
2274	-ve		+ve		-ve		+ve	
2356	-ve		+ve		-ve		+ve	
2369	-ve		+ve	Group B	-ve		+ve	Group B
2426	-ve		+ve		-ve		+ve	
2472	Nil Return							
2532	-ve		+ve	Salmonella spp	-ve		+ve	B/S.typhimurium
2552	-ve		+ve		-ve		+ve	
2578	-ve		+ve	B	-ve		+ve	B

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	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	Simulated chick box liner - Citrobacter youngae + Escherichia coli		Simulated boot swabs - Salmonella Derby (approx. 1085 cfu per vial)		Simulated boot swabs - Escherichia coli + Pseudomonas aeruginosa		Simulated 10 g faeces- Salmonella Typhimurium monophasic (approx. 1215 cfu per vial)	
	-ve	Negative	+ve	Group B	-ve	Negative	+ve	Group B
2603	-ve		+ve	DERBY	-ve		+ve	TYPHIMURIUM
2662	Nil Return							
2670	-ve		+ve	Group B	-ve		+ve	Group B
2762	-ve		+ve	S. Derby B	-ve		+ve	S.TyphimuriumB
2887	-ve		+ve	S. Derby	-ve		+ve	S. Typhimurium
2889	-ve		+ve	Derby	-ve		+ve	monophasic ST
2907	-ve	Negative	+ve	Group B	-ve	Negative	+ve	Group B
3160	-ve		+ve	Salmonella spp	-ve		-ve	
3174	-ve		+ve	B + Hgm	-ve		+ve	B + Hi
3290	-ve		+ve	Group B	-ve		+ve	Group B
3361	-ve		+ve	Group B	-ve		+ve	Group B
3536	Nil Return							
3557	-ve		+ve	Group B	-ve		+ve	Group B
3672	Unable To Test							
3800	-ve		+ve		-ve		+ve	

Culture	24/1187	
	Interpretation (+ve/-ve/IC)	Salmonella Group/Type
Intended	Simulated 10 g carcass - Citrobacter youngae + Pseudomonas aeruginosa	
	-ve	Negative
1002	-ve	
1023	-ve	
1033	-ve	
1042	-ve	
1067	-ve	
1075	-ve	
1076	Nil Return	
1081	-ve	
1089	-ve	
1114	-ve	
1115	-ve	
1127	-ve	
1133	-ve	Negative
1143	-ve	Negative
1157	-ve	
1158	-ve	-
1161	-ve	

Culture	24/1187	
	Interpretation (+ve/-ve/IC)	Salmonella Group/Type
Intended	Simulated 10 g carcass - Citrobacter youngae + Pseudomonas aeruginosa	
	-ve	Negative
1190	-ve	
1198	-ve	
1217	-ve	
1235	-ve	
1239	-ve	
1246		-ve
1349	Nil Return	
1382	-ve	
1387	-ve	
1436	+ve	S.Hadar
1559	-ve	
1626	-ve	
1638	-ve	
1641	Nil Return	
1647	-ve	
1648	Unable To Test	
1654	-ve	N/A
1658	-ve	-
1669	-ve	
1700	-ve	
1770	Unable To Test	
1884	-ve	
1894	-ve	
1896	-ve	
1905	Withdrawn	
1919	-ve	
1947	-ve	
1980	-ve	
2021	-ve	
2027	-ve	
2053	-ve	
2084	-ve	
2098	-ve	NOT SALMONELLA
2111	-ve	
2112	-ve	
2131	-ve	not detected
2143	Unable To Test	
2146	-ve	
2204	-ve	
2212	-ve	

Culture	24/1187	
	Interpretation (+ve/-ve/IC)	Salmonella Group/Type
Intended	Simulated 10 g carcass - Citrobacter youngae + Pseudomonas aeruginosa	
	-ve	Negative
2229	-ve	
2240	-ve	
2274	-ve	
2356	-ve	
2369	-ve	
2426	-ve	
2472	Nil Return	
2532	-ve	
2552	-ve	
2578	-ve	
2603	-ve	
2662	Nil Return	
2670	-ve	
2762	-ve	
2887	-ve	
2889	-ve	
2907	-ve	Negative
3160	-ve	
3174	-ve	
3290	-ve	
3361	-ve	
3536	Nil Return	
3557	-ve	
3672	Unable To Test	
3800	-ve	

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

Comments provided by Andrew Huntley, APHA Newcastle

In this February 2024 distribution 15689/BA of PT0088, there were 2 positive and 3 negative Salmonella samples. 82 laboratories were registered for this distribution, with 71 participants returning results before the final deadline. 4 labs (1648, 1770, 2143 and 3672) were unable to test. 6 labs (1076, 1349, 1641, 2472, 2662 and 3536) were nil returns. Lab 1905 withdrew.

Most participants used a traditional culture method based on ISO 6579-1 (or versions around) to test the samples for detection and then identification by serum agglutination. Additional or alternative methods for detection and/or identification included ELISA, MALDI-TOF, Vidas and PCR.

24/1183 - Simulated chick box liner - *Citrobacter youngae* + *Escherichia coli* - Negative.

Other than lab 1436 who incorrectly identified the sample as positive - *S. Indiana*, all participants correctly reported this sample as negative.

24/1184 - Simulated boot swabs - *Salmonella Derby* (approx. 1085 cfu per vial) - Positive - Group B.

All participants correctly reported *Salmonella* detected from this sample.

Where reported, all participants correctly identified the sample as Group B and/or *S. Derby*.

Note: Lab 3174 reported this sample as B + Hgm, this is partially incorrect. *S. Derby* is H f,g.

24/1185 - Simulated boot swabs - *Escherichia coli* + *Pseudomonas aeruginosa* - Negative

Other than lab 1436 who incorrectly identified the sample as positive - *S. Hadar*, all participants correctly reported this sample as negative.

24/1186 - Simulated 10 g faeces - *Salmonella Typhimurium monophasic* (approx. 1215 cfu per vial) - Positive - Group B

Lab 3160 incorrectly reported this sample as negative. All other participants correctly reported *Salmonella* detected from this sample.

Lab 1133 incorrectly reported this sample as Group D.

Lab 1919 incorrectly reported this sample as *S. Brancaster*.

Where reported, all other participants correctly identified the sample as Group B and/or *S. Typhimurium*. With some labs identifying more specifically to *S. Typhimurium monophasic*.

24/1187 - Simulated 10 g carcass - *Citrobacter youngae* + *Pseudomonas aeruginosa* - Negative

Other than lab 1436 who incorrectly identified the sample as positive - *S. Hadar*, all participants correctly reported this sample as negative.

Laboratories with anomalous results should investigate in accordance with their local quality system.

Should repeat samples be required to help with investigations, please feel welcome to contact VETQAS@apha.gov.uk for further information.

Participants in this distribution were from countries including South Africa, Italy, The Netherlands, Portugal, India, UK, Turkey, Canada, Belgium, Eire, Serbia, Malaysia, France, Cyprus, USA, Greece, Morocco, UAE, Australia, Spain, Croatia and Singapore.



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