



Results tabulation for 15605/BA PT0088: Salmonella in poultry

Distribution Date: 07/11/2023

Culture	23/1768		23/1769		23/1770		23/1771	
	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 10 g carcass - Salmonella Virchow (approx. 550 cfu per vial)		Simulated 10 g carcass - Citrobacter youngae + Escherichia coli		Simulated 10 g faeces - Escherichia coli + Pseudomonas aeruginosa		Simulated boot swabs - Salmonella Agona (approx. 450 cfu per vial)	
	+ve	Group C	-ve	Negative	-ve	Negative	+ve	Group B
1002	Unable To Test							
1023	+ve		-ve		-ve		+ve	
1033	+ve	S Virchow	-ve		-ve		+ve	group B
1056	+ve	S. Virchow	-ve		-ve		+ve	S. Agona
1067	+ve	S. Virchow	-ve		-ve		+ve	S. Agona
1075	+ve	O:6,7	-ve		-ve		+ve	O:4
1076	Nil Return							
1081	+ve	O=6,7 (C)	-ve		-ve		+ve	Agona (B)
1089	+ve		-ve		-ve		+ve	
1114	+ve	S. Virchow	-ve		-ve		+ve	S. Agona
1115	+ve		-ve		-ve		+ve	
1127	+ve	Group C1	-ve		-ve		+ve	Group B
1133	+ve	Group C	-ve	Negative	-ve	Negative	+ve	Group B
1143	+ve	Group C	-ve	Negative	-ve	Negative	+ve	Group B
1156	+ve		-ve		-ve		+ve	
1157	+ve	Salm. (Poly O)	-ve		-ve		+ve	Salm. (Gp. B))
1158	+ve	S. Virchow	-ve	-	+ve	S. Virchow	+ve	S. Agama
1161	+ve		-ve		-ve		+ve	
1198	+ve	group C1	-ve		-ve		+ve	group B
1217	+ve	O:7 (C1)	-ve		-ve		+ve	O:4 (B)
1218	+ve		-ve		-ve		+ve	
1235	+ve	S. Virchow	-ve		-ve		+ve	S. Agona
1246	+ve		+ve		-ve		+ve	
1349	+ve		-ve		-ve		+ve	
1374	+ve	Group C	-ve	Citrobacter	-ve	Pseudomonas	+ve	Group B
1387	+ve	C1	-ve		-ve		+ve	B
1436	+ve	S.Virchow	-ve		-ve		+ve	S.Agona

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Intended	Simulated 10 g carcass - Salmonella Virchow (approx. 550 cfu per vial)		Simulated 10 g carcass - Citrobacter youngae + Escherichia coli		Simulated 10 g faeces - Escherichia coli + Pseudomonas aeruginosa		Simulated boot swabs - Salmonella Agona (approx. 450 cfu per vial)	
	+ve	Group C	-ve	Negative	-ve	Negative	+ve	Group B
1524	Unable To Test							
1559	+ve	S. Vichow	-ve		-ve		+ve	S. Agona
1626	+ve		-ve		-ve		+ve	
1638	+ve		-ve		-ve		+ve	
1641	Nil Return							
1647	+ve	S. Virchow	-ve		-ve		+ve	External seroty
1648	+ve	GROUP C1	-ve		-ve		+ve	GROUP B
1654	+ve	Group C	-ve		-ve		+ve	Group B
1658	+ve	-	-ve	-	-ve	-	+ve	-
1669	+ve	S. Virchow	-ve		-ve		+ve	S. Agona
1685	+ve	Salmonella spp	-ve		-ve		+ve	Salmonella spp
1700	+ve	S.Virchow C1	-ve		-ve		+ve	S.Agona B
1708	+ve	Virchow	-ve		-ve		+ve	Agona
1770	Nil Return							
1884	+ve		-ve		-ve		+ve	
1894	+ve	S.virchow	-ve		-ve		+ve	S. agona
1905	+ve		-ve		-ve		+ve	
1944	Nil Return							
1947	+ve	S. Virchow	-ve		-ve		+ve	S. Agona
1980	+ve	C1/S.Virchow	-ve		-ve		+ve	B/S.Agona
2021	+ve		-ve		-ve		+ve	
2027	+ve	S. Infantis	-ve		-ve		+ve	S. Agona
2053	+ve	Salmonella spp	-ve		-ve		+ve	Salmonella spp
2084	Unable To Test							
2098	+ve	GpC Virchow	-ve	Not Salmonella	-ve	Not Salmonella	+ve	GpB Agona
2111	+ve	S. Virchow	-ve		-ve		+ve	S. Agona
2112	+ve	C	-ve		-ve		+ve	B
2143	+ve	O7:Hr,1,2	-ve		-ve		+ve	O4,5:Hf,g,s
2167	+ve	S. Virchow	-ve		-ve		+ve	S. Agona
2204	Unable To Test							
2212	+ve	salmonella spp.	-ve		-ve		+ve	salmonella spp.
2229	+ve	S. Virchow	-ve		-ve		+ve	S. Agona
2240	+ve		-ve		-ve		+ve	
2274	+ve		-ve		-ve		+ve	
2356	Unable To Test							
2360	+ve	C1	-ve		-ve		+ve	B
2426	+ve		-ve		-ve		+ve	
2472	+ve		-ve		-ve		+ve	
2532	+ve		-ve		-ve		+ve	
2533	+ve	C	-ve		-ve		+ve	B
2552	+ve		-ve		-ve		+ve	

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Intended	Simulated 10 g carcass - Salmonella Virchow (approx. 550 cfu per vial)		Simulated 10 g carcass - Citrobacter youngae + Escherichia coli		Simulated 10 g faeces - Escherichia coli + Pseudomonas aeruginosa		Simulated boot swabs - Salmonella Agona (approx. 450 cfu per vial)	
	+ve	Group C	-ve	Negative	-ve	Negative	+ve	Group B
2578	+ve	C1	-ve		-ve		+ve	B
2596	+ve	Group C	-ve		-ve		+ve	Group B
2603	+ve	VIRCHOW	-ve		-ve		+ve	AGONA
2644	+ve	C1	-ve		-ve		+ve	B
2670	+ve	Salmonella sp.	-ve		-ve		+ve	Group B
2762	+ve	S. Virchow C1	-ve		-ve		+ve	S. Agona B
2872	+ve		-ve		-ve		+ve	
2889	+ve	C	-ve	N/A	-ve	N/A	+ve	B
2907	+ve	Group C	-ve		-ve		+ve	Group B
3060	+ve		-ve		-ve		+ve	
3084	+ve	C	-ve		-ve		+ve	B
3174	+ve	C	-ve		-ve		+ve	B
3190	Unable To Test							
3242	+ve	GROUP 6-7	-ve		-ve		+ve	GROUP O 4
3288	+ve	C1 (Factor 6,7)	-ve		-ve		+ve	B (Factor 4)
3353	+ve	C / S. Virchow	-ve		-ve		+ve	B/ S. Agona
3361	+ve	Group C1	-ve		-ve		+ve	Group B
3512	+ve	choleraesuis	-ve		-ve		+ve	
3536	Nil Return							
3557	Unable To Test							
3666	+ve	Grupo C	-ve		-ve		+ve	Grupo B
3800	Unable To Test							

Culture	23/1772	
	Interpretation (+ve/-ve/IC)	Salmonella Group/Type
Intended	Simulated chick box liner - Salmonella Typhimurium monophasic (approx. 820 cfu per vial)	
	+ve	Group B
1002	Unable To Test	
1023	+ve	
1033	+ve	group B
1056	+ve	S. Typhimurium
1067	+ve	S. Typhimurium
1075	+ve	O:4
1076	Nil Return	
1081	+ve	O=4 H=i (B)
1089	+ve	
1114	+ve	Mon. S. Typhim

Culture	23/1772	
	Interpretation (+ve/-ve/IC)	Salmonella Group/Type
Intended	Simulated chick box liner - Salmonella Typhimurium monophasic (approx. 820 cfu per vial)	
	+ve	Group B
1115	+ve	
1127	+ve	Group B
1133	+ve	Group B
1143	+ve	Group B
1156	+ve	
1157	+ve	Salm. (Gp. B))
1158	+ve	S. Agama
1161	+ve	
1198	+ve	group B
1217	+ve	O:4 (B)
1218	+ve	
1235	+ve	S. Typh monof
1246	+ve	
1349	+ve	
1374	+ve	Group B
1387	+ve	B
1436	+ve	O4, Hi, -
1524	Unable To Test	
1559	+ve	S. group B
1626	+ve	
1638	+ve	
1641	Nil Return	
1647	+ve	ST Monofasisch
1648	+ve	GROUP B
1654	+ve	Group B
1658	+ve	-
1669	+ve	S. Typhimurium
1685	+ve	Salmonella spp
1700	+ve	Typhimurium
1708	+ve	Typhimurium
1770	Nil Return	
1884	+ve	
1894	+ve	S.typhimurium
1905	+ve	
1944	Nil Return	
1947	+ve	S. Typh mono
1980	+ve	B/S.Typhimurium
2021	+ve	
2027	+ve	Group B
2053	+ve	Salmonella spp
2084	Unable To Test	

Culture	23/1772	
	Interpretation (+ve/-ve/IC)	Salmonella Group/Type
Intended	Simulated chick box liner - Salmonella Typhimurium monophasic (approx. 820 cfu per vial)	
	+ve	Group B
2098	+ve	GPB 4,5,12:i:-
2111	+ve	4,5,12:i:-
2112	+ve	B
2143	+ve	O4,5,12:Hi
2167	+ve	S.Typhimurium
2204	Unable To Test	
2212	-ve	Salmonella spp.
2229	+ve	S.Typhim.(mono)
2240	+ve	
2274	+ve	
2356	Unable To Test	
2360	+ve	B
2426	+ve	
2472	+ve	
2532	+ve	B/S.typhimurium
2533	+ve	B
2552	+ve	
2578	+ve	B
2596	+ve	Group B
2603	+ve	4,5.12:i:-
2644	+ve	B
2670	+ve	Group B
2762	+ve	S.TyphimuriumB
2872	+ve	
2889	+ve	B
2907	+ve	Group B
3060	+ve	
3084	+ve	B
3174	+ve	B
3190	Unable To Test	
3242	+ve	GROUP O4
3288	+ve	B (Factor 4)
3353	+ve	B/S.1,4,5,12:i:
3361	+ve	Group D
3512	+ve	
3536	Nil Return	
3557	Unable To Test	
3666	+ve	Grupo B
3800	Unable To Test	

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

Comments provided by Andrew Huntley, APHA Newcastle

In this November 2023 distribution 15605/BA there were 3 positive and 2 negative salmonella samples.
90 laboratories were registered for the distribution, with 77 participants returning results before the final deadline.
8 labs (1002, 1524, 2084, 2204, 2356, 3190, 3557 and 3800) were unable to test.
5 labs (1076, 1641, 1770, 1944 and 3536) were Nil Returns.

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, VITEK and PCR.

Sample 23/1768 - Simulated 10 g carcass - Salmonella Virchow (approx. 550 cfu per vial) – Positive – Group C.

All participants correctly reported Salmonella detected from this sample.

Where reported, all participants correctly identified the sample as Group C and/or S.Virchow, except lab 2027 who identified S.Infantis and lab 3512 who identified S.Cholerasuis.

Sample 23/1769 - Simulated 10 g carcass - Citrobacter youngae + Escherichia coli – Negative.

All participants correctly identified this sample as negative, except lab 1246 who returned a positive result.

Sample 23/1770 – Simulated 10 g faeces - Escherichia coli + Pseudomonas aeruginosa – Negative.

All participants correctly identified this sample as negative, except lab 1158 who returned a positive S.Virchow result. This could potentially be cross contamination from sample 23/1768.

Sample 23/1771 – Simulated boot swabs - Salmonella Agona (approx. 450 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.Agona, except lab 1158 who identified S.Agama.

Sample 23/1772 – Simulated chick box liner - Salmonella Typhimurium monophasic (approx. 820 cfu per vial) – Positive – Group B.

All participants correctly reported Salmonella detected from this sample. Lab 2212 recorded -ve in the "Interpretation" column, but this was likely a data input error as they did record Salmonella Spp. in the "Salmonella Group/Type" column.

Where reported, all participants correctly identified the sample as Group B and/or S.Typhimurium, except lab 1158 who reported S.Agama, and lab 3361 who reported the result as Group D.

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, Chile, Germany, Switzerland, Serbia, Columbia, Malaysia, France, Cyprus, USA, Greece, Saudi Arabia, Malta, Morocco and UAE.



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