



## Results tabulation for 14788/BA PT0088: Salmonella in poultry

Distribution Date: 02/11/2021

Culture	21/1739		21/1740		21/1741		21/1742	
	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 faeces – Citrobacter youngae		Simulated 10 g carcass - Salmonella Typhimurium (approx. 46,000 cfu per vial)		Simulated chick box liner - Citrobacter youngae + Pseudomonas aeruginosa		Simulated chick box liner - Salmonella Virchow (approx. 17,000 cfu per vial)	
	-ve	Negative	+ve	Group B	-ve	Negative	+ve	Group C
1002	-ve	No	+ve	Typhimurium	-ve	No	+ve	Group E1
1023	-ve		+ve		-ve		+ve	
1033	-ve		+ve	B/Typhimurium	-ve		+ve	C1/Virchow
1067	-ve		+ve	S. Typhimurium	-ve		+ve	S. Virchow
1076	Unable to Test							
1081	-ve	Not Detected	+ve	Group B	-ve	Not Detected	+ve	Group C
1089	-ve		+ve		-ve		+ve	
1114	-ve		+ve	S. Typhimurium	-ve		+ve	S. Virchow
1115	-ve		+ve	S. Typhimurium	-ve		+ve	S. Virchow
1121	-ve		+ve	Typhimurium	-ve		+ve	Virchow
1127	-ve	Negative	+ve	Group B	-ve	Negative	+ve	Group C1
1133	-ve		+ve	Group B	-ve		+ve	Group C
1143	-ve	Negative	-ve	Negative	+ve	Group B	+ve	Group C
1156	-ve		+ve		-ve		+ve	
1157	-ve		+ve	Salm. (Gp. B)	-ve		+ve	Salm. (Poly O)
1158	-ve	-	+ve	S. Typhimurium	-ve	-	+ve	S. Virchow
1161	-ve		+ve		+ve	Group B	+ve	
1198	-ve		+ve	Group B	-ve		+ve	Group C1
1217	-ve		+ve	O:4(B) S.Typhim	-ve		+ve	O:7(C1)
1218	+ve		-ve		+ve		+ve	
1235	-ve		+ve	S Typhimurium	-ve		+ve	S Virchow
1239	-ve	--	+ve	O:4 (Group B)	-ve	--	+ve	O:7 (Group C)
1246	-ve		+ve		-ve		+ve	
1349	-ve		+ve		-ve		+ve	
1374	-ve	Citrobacter	+ve	Group B	-ve	Citrobacter	+ve	Group C
1387	-ve		+ve	serogroep B	-ve		+ve	serogroep C1
1436	-ve		+ve	S.Typhimurium	-ve		+ve	6,7 ; -

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Intended	Simulated 10 g faeces - Citrobacter youngae		Simulated 10 g carcass - Salmonella Typhimurium (approx. 46,000 cfu per vial)		Simulated chick box liner - Citrobacter youngae + Pseudomonas aeruginosa		Simulated chick box liner - Salmonella Virchow (approx. 17,000 cfu per vial)	
	-ve	Negative	+ve	Group B	-ve	Negative	+ve	Group C
1521	-ve		+ve		-ve		+ve	
1559	-ve		+ve	S. Typhimurium	-ve		+ve	S. group C
1626	-ve		+ve		-ve		+ve	
1638	-ve		+ve		-ve		+ve	
1641	-ve		+ve	B Typhimurium	-ve		+ve	C Ohio
1647	-ve		+ve	S. Typhimurium	-ve		+ve	S. Virchow
1648	-ve		+ve	GROUP B	-ve		+ve	GROUP C1 - H
1654	-ve		+ve		-ve		+ve	
1656	-ve		+ve	S.Typhimurium	-ve		+ve	S.Virchow
1658	-ve		+ve		-ve		+ve	
1669	-ve		+ve	S. Typhimurium	-ve		+ve	S. Virchow
1685	-ve		+ve		-ve		+ve	
1700	-ve		+ve	Typhimurium(B)	-ve		+ve	Virchow(C1)
1733	-ve		+ve		-ve		+ve	
1770	-ve		+ve	S. Typhimurium	-ve		+ve	group C
1853	-ve		+ve	S. Typhimurium	-ve		+ve	S. Virchow
1884	-ve		+ve		-ve		+ve	
1894	-ve		+ve	S.Typhim.	-ve		+ve	S.Virchow
1896	-ve		+ve		-ve		+ve	
1905	-ve		+ve		-ve		+ve	
1919	-ve	citro-youngae	+ve	s. typhimurium	-ve	citro-youngae	+ve	S.O:7+
1944	-ve		+ve	B Typhimurium	-ve		+ve	C Virchow
1947	-ve		+ve	S. Typhimurium	-ve		+ve	S. Virchow
1980	-ve		+ve	S.Typhimurium B	-ve		+ve	S.Virchow C1
2011	-ve		+ve		-ve		+ve	
2021	-ve		+ve	Salmonella spp	-ve		+ve	Salmonella spp
2053	-ve		+ve	Salmonella spp	-ve		+ve	Salmonella spp
2096	-ve		+ve		-ve		+ve	
2098	-ve	Not Salmonella	+ve	GpB Typhimurium	-ve	Not Salmonella	+ve	GpC Virchow
2111	-ve		+ve	S. Typhimurium	-ve		+ve	S. Virchow
2112	-ve	N/A	+ve	B	-ve	N/A	+ve	C
2131	-ve	not detected	+ve	S. Typhimurium	-ve	not detected	+ve	S. Virchow
2143	-ve		+ve	S. Typhimurium	-ve		+ve	S. Virchow
2204	-ve		+ve		-ve		+ve	
2212	-ve		+ve	salmonella spp.	-ve		+ve	salmonella spp.
2229	-ve		+ve	S. Typhimurium	-ve		+ve	S. Virchow
2231	-ve	-	+ve	B	-ve	-	+ve	C
2240	-ve		+ve		-ve		+ve	
2262	-ve		+ve	S.Typhimurium	-ve		+ve	OMB
2274	-ve		+ve	Group B	-ve		+ve	Group C
2356	+ve		+ve		-ve		-ve	

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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 10 g faeces - Citrobacter youngae		Simulated 10 g carcass - Salmonella Typhimurium (approx. 46,000 cfu per vial)		Simulated chick box liner - Citrobacter youngae + Pseudomonas aeruginosa		Simulated chick box liner - Salmonella Virchow (approx. 17,000 cfu per vial)	
	-ve	Negative	+ve	Group B	-ve	Negative	+ve	Group C
2378	-ve		+ve		+ve		+ve	
2426	-ve		+ve		-ve		+ve	
2458	Nil Return							
2472	-ve		+ve	S.Typhimurium	-ve		+ve	
2532	-ve		+ve	B/S.typhimurium	-ve		+ve	Salmonella sp.
2552	-ve		+ve		-ve		+ve	
2570	Nil return							
2573	-ve		+ve		-ve		+ve	
2578	-ve	/	+ve	B	-ve	/	+ve	C1
2659	-ve		+ve		-ve		+ve	
2670	-ve		+ve	Group B	-ve		+ve	Salmonella sp.
2761	-ve		+ve	O:4	-ve		+ve	O:7
2762	-ve		+ve		-ve		+ve	
2767	-ve		+ve	Group B	-ve		+ve	Group C
2872	-ve		+ve		-ve		+ve	
2897	Nil Return							
2907	-ve		+ve	Group B	-ve		+ve	Group C
2926	-ve		+ve		-ve		+ve	
3174	-ve		+ve		-ve		+ve	
3205	-ve		+ve	B/Typhimurium	-ve		+ve	C
3361	-ve		+ve	Group B	-ve		+ve	Group C
3536	-ve		+ve		-ve		+ve	

Culture	21/1743	
	Interpretation (+ve/-ve/IC)	Salmonella Group/Type
Intended	Simulated boot swabs - Salmonella Agona (approx. 270,000 cfu per vial)	
	+ve	Group B
1002	+ve	Agona
1023	+ve	
1033	+ve	B/Angone
1067	+ve	S. Agona
1076	Unable to Test	
1081	+ve	S. Agona
1089	+ve	
1114	+ve	S. Agona
1115	+ve	S. Agona
1121	+ve	Agona

<b>Culture</b>	<b>21/1743</b>	
	Interpretation (+ve/-ve/IC)	Salmonella Group/Type
Intended	Simulated boot swabs - Salmonella Agona (approx. 270,000 cfu per vial)	
	+ve	Group B
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) S. Agona
1218	-ve	
1235	+ve	S Agona
1239	+ve	O:4 (Group B)
1246	+ve	
1349	+ve	
1374	+ve	Group B
1387	+ve	serogroep B
1436	+ve	S.Agona
1521	+ve	
1559	+ve	S. Agona
1626	+ve	
1638	+ve	
1641	+ve	B Agona
1647	+ve	External seroty
1648	+ve	GROUP B
1654	+ve	
1656	+ve	S.Agona
1658	+ve	
1669	+ve	S. Agona
1685	+ve	
1700	+ve	Agona(B)
1733	+ve	
1770	+ve	group
1853	+ve	S. Agona
1884	+ve	
1894	+ve	S.Agona
1896	+ve	
1905	+ve	
1919	+ve	S. O: 4,5 +
1944	+ve	Group B
1947	+ve	S. Agona
1980	+ve	S.Agona B

<b>Culture</b>	<b>21/1743</b>	
	Interpretation (+ve/-ve/IC)	Salmonella Group/Type
Intended	Simulated boot swabs - Salmonella Agona (approx. 270,000 cfu per vial)	
	+ve	Group B
2011	+ve	
2021	+ve	Salmonella spp
2053	+ve	Salmonella spp
2096	+ve	
2098	+ve	GpB Agona
2111	+ve	S. Agona
2112	+ve	B
2131	+ve	OMA, O-4, H-g
2143	+ve	S. Agona
2204	+ve	
2212	+ve	Salmonella spp.
2229	+ve	S. Agona
2231	+ve	B
2240	+ve	
2262	+ve	Grupo B (O:4,5)
2274	+ve	Group B
2356	+ve	
2378	+ve	
2426	+ve	
2458	Nil Return	
2472	+ve	
2532	+ve	Salmonella sp.
2552	+ve	
2570	Nil return	
2573	+ve	
2578	+ve	B
2659	+ve	
2670	+ve	Group B
2761	+ve	
2762	+ve	
2767	+ve	Group B
2872	+ve	
2897	Nil Return	
2907	+ve	Group B
2926	+ve	
3174	+ve	
3205	+ve	B
3361	+ve	Group B
3536	+ve	

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

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**Comments provided by Paula Johnson, Quality Assurance Unit Sutton Bonington****Sample 21/1739**

This sample did not contain Salmonella. With the exception of two participants (1218 and 2356) all participants reported the expected results.

**Sample 21/1740**

This sample contained Salmonella typhimurium. Laboratories 1143 and 1218 failed to isolate Salmonella from this sample, otherwise all participants reported the correct result. Where included, the serogroup and species were also correct.

**Sample 21/1741**

This sample contained a combination of Citrobacter and Pseudomonas. Four laboratories (1143, 1161, 1218 and 2378) incorrectly reported this sample as Salmonella positive.

**Sample 21/1742**

Laboratory 2356 reported a false negative result for this sample. All other participants isolated the target organism, with those that carried out additional testing to determine the serogroup and/or species, doing so correctly.

**Sample 21/1743**

Here, Laboratory 1218 recorded a false negative result. The results recorded by all other participants were correct, as were the serogroup and species where reported.

In this exercise, Laboratory 2356 with two incorrect results, may have mixed up samples 21/1739 and 21/1742.

Laboratory 1143 also with two incorrect results, may have mixed up samples 21/1740 and 21/1742.

Laboratory 1218 reported four incorrect results. A sample mix up may have caused this, but there are several other reasons that this poor performance could have occurred; investigations should be initiated.

Four participants did not submit results, that is three Nil Returns and one was Unable to Test.

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, Spain, Greece, Jordan, Malaysia, Cyprus, Brazil, Madeira, Morocco, South Africa, Malta, Estonia, Dubai, Madeira, Thailand, Eswatini, Australia, and Singapore.



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