



Results tabulation for 14880/BA PT0088: Salmonella in poultry

Distribution Date: 01/02/2022

Culture	22/1134		22/1135		22/1136		22/1137	
	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 – Escherichia coli + Pseudomonas aeruginosa		Simulated chick box liner - Citrobacter youngae		Simulated 10 g carcass - Salmonella Enteritidis (approx. 13,000 cfu per vial)		Simulated boot swabs - Salmonella Kentucky (approx. 16,950 cfu per vial)	
	-ve	Negative	-ve	Negative	+ve	Group D	+ve	Group C
1002	-ve		-ve		+ve	Enteritidis	+ve	Kentucky
1023	-ve		-ve		+ve		+ve	
1033	-ve		-ve		+ve	D/Enteritidis	+ve	C2/Kentucky
1067	-ve		-ve		+ve	S.Enteritidis	+ve	S.Kentucky
1076	Nil Return							
1081	-ve	Not Detected	-ve	Not Detected	+ve	Group D	+ve	Group C
1089	-ve		-ve		+ve		+ve	
1114	-ve		-ve		+ve	S. enteritidis	+ve	S. Kentucky
1115	-ve		-ve		+ve	S. Enteritidis	+ve	S. Kentucky
1121	-ve		-ve		+ve	Enteritidis	+ve	Kentucky
1127	-ve	Negative	-ve	Negative	+ve	Group D	+ve	Group C2
1133	-ve		-ve		+ve	Group D	+ve	Group C
1143	-ve	Negative	-ve	Negative	+ve	Group D	+ve	Group C
1157	-ve		-ve		+ve	Salm. (Gp. D)	+ve	Salm. (Poly O))
1158	-ve	-	-ve	-	+ve	S. Enteritidis	+ve	S. Kentucky
1161	-ve		-ve		+ve		+ve	
1190	-ve		-ve		+ve		+ve	
1198	-ve		-ve		+ve	Group D	+ve	Group C2
1217	-ve		-ve		+ve	- O:9 (D1)	+ve	O:8 (C2-C3)
1235	-ve		-ve		+ve	S. Enteritidis	+ve	S. Kentucky
1246	-ve		-ve		+ve		+ve	
1349	-ve		-ve		+ve	S. Enteritidis	+ve	S. Kentucky
1382	-ve		-ve		+ve	S. Enteritidis	+ve	
1387	-ve		-ve		+ve	serogroup D	+ve	neg for B/D/C
1422	-ve		-ve		+ve	S. Enteritidis	+ve	Group C2-C3
1436	-ve		-ve		+ve	S.Enteritidis	+ve	S.Kentucky
1521	-ve		-ve		+ve	Group D	+ve	

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Intended	Simulated 10 g carcass – Escherichia coli + Pseudomonas aeruginosa		Simulated chick box liner - Citrobacter youngae		Simulated 10 g carcass - Salmonella Enteritidis (approx. 13,000 cfu per vial)		Simulated boot swabs - Salmonella Kentucky (approx. 16,950 cfu per vial)	
	-ve	Negative	-ve	Negative	+ve	Group D	+ve	Group C
1559	-ve		-ve		+ve	S. Enteritidis	+ve	S. group C
1626	-ve		-ve		+ve		+ve	
1641	-ve		-ve		+ve	B/S.Enteritidis	+ve	C/S.Kentucky
1647	-ve		-ve		+ve	S. Enteritidis	+ve	External seroty
1648	-ve		-ve		+ve	GROUP D	+ve	GROUP C2
1654	-ve		-ve		+ve	Group D	+ve	Group C
1656	-ve	x	-ve	x	+ve	S.Enteritidis	+ve	S.Kentucky
1658	-ve	-	-ve	-	+ve	-	+ve	-
1669	-ve		-ve		+ve	S. Enteritidis	+ve	S. Kentucky
1700	-ve		-ve		+ve	enteritidis(D1)	+ve	kentucky C2-C3
1770	-ve		-ve		+ve	S. Enteritidis	+ve	Group C
1853	Unable to Test							
1884	-ve		-ve		+ve		+ve	
1894	-ve		-ve		+ve	S. Enteritidis	+ve	S. Kentucky
1896	-ve		-ve		+ve		+ve	
1905	-ve		-ve		+ve		+ve	
1919	-ve		-ve		+ve	D1: enteritidis	+ve	C3: kentucky
1944	-ve		-ve		+ve	D Enteritidis	+ve	C O8
1947	-ve		-ve		+ve	S. Enteritidis	+ve	Extern
1980	-ve		-ve		+ve	S.EnteritidisD1	+ve	S.KentuckyC2-C3
2011	-ve		-ve		+ve		+ve	
2021	-ve		-ve		+ve	Salmonella spp	+ve	Salmonella spp
2053	-ve		-ve		+ve	Salmonella spp	+ve	Salmonella spp
2096	-ve		-ve		+ve		+ve	
2098	-ve	Not Salmonella	-ve	Not Salmonella	+ve	GpD Enteritidis	+ve	GpC2-3 Kentucky
2111	-ve		-ve		+ve	S. Enteritidis	+ve	S. Kentucky
2112	-ve		-ve		+ve	D	+ve	C
2143	-ve		-ve		+ve	S. Enteritidis	+ve	S. Kentucky
2146	-ve		-ve		+ve		+ve	
2204	Nil Return							
2212	-ve		-ve		+ve	Salmonella spp.	+ve	Salmonella spp.
2229	-ve		-ve		+ve	S. Enteritidis	+ve	Other
2231	-ve		-ve		+ve	D	+ve	C
2240	-ve		-ve		+ve		+ve	
2274	-ve		-ve		+ve		+ve	
2356	-ve		-ve		+ve		+ve	
2378	+ve		+ve		+ve		+ve	
2426	-ve		-ve		+ve		+ve	
2455	+ve		-ve		+ve		+ve	
2458	Nil Return							

Culture	22/1134		22/1135		22/1136		22/1137	
	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 – Escherichia coli + Pseudomonas aeruginosa		Simulated chick box liner - Citrobacter youngae		Simulated 10 g carcass - Salmonella Enteritidis (approx. 13,000 cfu per vial)		Simulated boot swabs - Salmonella Kentucky (approx. 16,950 cfu per vial)	
	-ve	Negative	-ve	Negative	+ve	Group D	+ve	Group C
2472	-ve		-ve		+ve	S. Enteritidis	+ve	
2532	-ve		-ve		+ve	D/S.enteritidis	+ve	
2552	-ve		-ve		+ve		+ve	
2573	-ve		-ve		+ve		+ve	
2578	-ve	N/A	-ve	N/A	+ve	D	+ve	C2C3
2662					+ve	C	+ve	D
2670	-ve		-ve		+ve	Group D1	+ve	Salmonella sp.
2762	-ve		-ve		+ve		+ve	
2767	-ve		-ve		+ve	Group D	+ve	Unidentified
2854	-ve		-ve		+ve		+ve	
2907	-ve		-ve		+ve	Group D	+ve	Group C
2934	-ve		-ve		+ve	S. Enteritidis	+ve	S. Koentucky-O8
3174	-ve		-ve		+ve	Group D	+ve	
3205	-ve		-ve		+ve	D/Enteritidis	+ve	C3/Kentucky
3361	-ve		-ve		+ve	Group D	+ve	Group C2
3536	-ve		-ve		+ve		+ve	

Culture	22/1138	
	Interpretation (+ve/-ve/IC)	Salmonella Group/Type
Intended	Simulated 10 g faeces - Citrobacter youngae + Escherichia coli	
	-ve	Negative
1002	-ve	
1023	-ve	
1033	-ve	
1067	-ve	
1076	Nil Return	
1081	-ve	Not Detected
1089	-ve	
1114	-ve	
1115	-ve	
1121	-ve	
1127	-ve	Negative
1133	-ve	
1143	-ve	Negative
1157	-ve	
1158	-ve	-
1161	-ve	
1190	-ve	

Culture	22/1138	
	Interpretation (+ve/-ve/IC)	Salmonella Group/Type
Intended	Simulated 10 g faeces - Citrobacter youngae + Escherichia coli	
	-ve	Negative
1198	-ve	
1217	-ve	
1235	-ve	
1246	-ve	
1349	-ve	
1382	-ve	
1387	-ve	
1422	-ve	
1436	-ve	
1521	-ve	
1559	-ve	
1626	-ve	
1641	-ve	
1647	-ve	
1648	-ve	
1654	-ve	
1656	-ve	x
1658	-ve	-
1669	-ve	
1700	-ve	
1770	-ve	
1853	Unable to Test	
1884	-ve	
1894	-ve	
1896	-ve	
1905	-ve	
1919	-ve	
1944	-ve	
1947	-ve	
1980	-ve	
2011	-ve	
2021	-ve	
2053	-ve	
2096	-ve	
2098	-ve	Not salmonella
2111	-ve	
2112	-ve	
2143	-ve	
2146	-ve	
2204	Nil Return	
2212	-ve	
2229	-ve	

Culture	22/1138	
	Interpretation (+ve/-ve/IC)	Salmonella Group/Type
Intended	Simulated 10 g faeces - Citrobacter youngae + Escherichia coli	
	-ve	Negative
2231	-ve	
2240	-ve	
2274	-ve	
2356	-ve	
2378	+ve	
2426	-ve	
2455	-ve	
2458	Nil Return	
2472	-ve	
2532	-ve	
2552	-ve	
2573	-ve	
2578	-ve	N/A
2662		
2670	-ve	
2762	-ve	
2767	-ve	
2854	-ve	
2907	-ve	
2934	+ve	Salmonella sp.
3174	-ve	
3205	-ve	
3361	-ve	
3536	+ve	

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

Comments provided by Paula Johnson, Quality Assurance Unit Sutton Bonington

Sample 22/1134 did not contain Salmonella, however two labs, 2378 and 2455 reported Salmonella present.

Sample 22/1135 - Lab 2378 reported a false positive. All other participants reported the correct result.

Sample 22/1136 - The correct results were reported by all laboratories other than lab 2662 incorrectly reported as serogroup C.

Sample 22/1137 - Again all laboratories isolated Salmonella as expected. Lab 1387 incorrectly reported negative for serogroup B/D/C and 2662 as serogroup D.

Sample 22/1138 containing Citrobacter youngae and E. coli, was incorrectly reported as positive for Salmonella by labs 2378, 2934 and 3536.

Where reported the species and serogroups for the Salmonella positive samples were correct with the exception of those reported by labs 1387 and 2662, whereby lab 2662 results are the wrong way around indicating a mix up of the two samples.

Lab 2934 noted in their comments the isolate from sample 22/1138 was positive for OMC polyvalent serum (Salmonella serogroups O16 I, 17 J, 18 K, 28 M, 30 N, 35 O, 38 P) which was not present in the panel.

Lab 2378 reported all samples as positive Salmonella and this should be investigated to determine the problem.

There were 3 Nil Returns and one Unable to Test.

Vetgas comment: Participants in this distribution were from countries including South Africa, Italy, The Netherlands, Montenegro, Portugal, India, UK, Turkey, Canada, Belgium, Eire, Germany, Chile, USA, Spain, Greece, Jordan, Malaysia, Cyprus, Bosnia & Herzegovina, Malta, UAE, Morocco, Eswatini, Australia and Singapore.



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