



## Results tabulation for 14377/BA PT0088: Salmonella in poultry

Distribution Date: 03/11/2020

Culture	20/1782		20/1783		20/1784		20/1785	
	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 Enteritidis (approx. 7,000 cfu per vial) + Escherichia coli - Simulated 10 g carcass		Citrobacter youngae + Pseudomonas aeruginosa - Simulated 10 g faeces		Salmonella Typhimurium (approx. 130,000 cfu per vial) + Escherichia coli - Simulated chick box liner		Salmonella Typhimurium (approx. 120,000 cfu per vial) + Pseudomonas aeruginosa - Simulated 10 g faeces	
	+ve	Group D	-ve	Negative	+ve	Group B	+ve	Group B
1002	+ve	Group D1	-ve	Negative	+ve	Group B	+ve	Group B
1023	+ve		-ve		+ve		+ve	
1033	+ve	Enteritidis	-ve		+ve	Typhimurium	+ve	Typhimurium
1067	+ve	S. Enteritidis	-ve		+ve	S. Typhimurium	+ve	S. Typhimurium
1076	Nil Return							
1081	+ve	S. Enteritidis	-ve	Not Detected	+ve	Group B	+ve	Group B
1089	+ve		-ve		+ve		+ve	
1114	+ve	S. Enteritidis	-ve		+ve	S. Typhimurium	+ve	S. Typhimurium
1115	+ve	S. Enteritidis	-ve		+ve	S. Typhimurium	+ve	S. Typhimurium
1125	+ve	Enteritidis	-ve		+ve	Typhimurium	+ve	Typhimurium
1127	+ve	Group D	-ve	Negative	+ve	Group B	+ve	Group B
1133	+ve	Group D	-ve	Negative	+ve	Group B	+ve	Group B
1143	+ve	Group D	-ve	Negative	+ve	Group B	+ve	Group B
1156	+ve		-ve		+ve		+ve	
1157	+ve	Salm. (Gp. D)	-ve			Salm. (Gp. B)		Salm. (Gp.B)
1158	+ve	S. Enteritidis	-ve	-	+ve	S. Typhimurium	+ve	S. Typhimurium
1161	+ve		-ve		+ve		+ve	
1198	+ve	Group D	-ve		+ve	Group B	+ve	Group B
1217	+ve	O:9 (D1)	-ve		+ve	O:4 (B)	+ve	O:4 (B)
1218	+ve		-ve		+ve		+ve	
1235	+ve		-ve		+ve		+ve	
1246	+ve		-ve		+ve		+ve	
1261	+ve	D	-ve		+ve	B	+ve	B
1266	+ve		-ve		+ve		-ve	
1318	+ve	Group D	-ve		+ve	Group B	+ve	Group B
1349	Nil Return							
1374	+ve	Group D	-ve	Citrobacter	+ve	Group B	+ve	Group B

Culture	20/1782		20/1783		20/1784		20/1785	
	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 Enteritidis (approx. 7,000 cfu per vial) + Escherichia coli - Simulated 10 g carcass		Citrobacter youngae + Pseudomonas aeruginosa - Simulated 10 g faeces		Salmonella Typhimurium (approx. 130,000 cfu per vial) + Escherichia coli - Simulated chick box liner		Salmonella Typhimurium (approx. 120,000 cfu per vial) + Pseudomonas aeruginosa - Simulated 10 g faeces	
	+ve	Group D	-ve	Negative	+ve	Group B	+ve	Group B
1382	+ve	S. Enteritidis	-ve		+ve	S. Typhimurium	+ve	S. Typhimurium
1387	+ve	Group D	-ve		+ve	Group B	+ve	Group B
1436	+ve	S.Enteritidis	-ve		+ve	s.Typhimurium	+ve	S.Typhimurium
1521	+ve	Group D	-ve		+ve		+ve	
1559	+ve	S. Enteritidis	-ve		+ve	S. Typhimurium	+ve	S. Typhimurium
1626	+ve		-ve		+ve		+ve	
1641	+ve	D, Enteritidis	-ve		+ve	B, Typhimurium	+ve	B, Typhimurium
1647	+ve	S. Enteritidis	-ve		+ve	S. Typhimurium	+ve	S. Typhimurium
1648	+ve	GROUP D	-ve		+ve	GROUP B	+ve	GROUP B
1654	+ve	Group D	-ve		+ve	Group B	+ve	Group B
1669	+ve	S. Enteritidis	-ve		+ve	S. Typhimurium	+ve	S. Typhimurium
1685	+ve	Salmonella spp	-ve		+ve	Salmonella spp	+ve	Salmonella spp
1700	+ve	Enteritidis D1	-ve		+ve	S.typhimurium B	+ve	S.typhimurium B
1703	+ve	D/Enteritidis	-ve		+ve	B/Typhimurium	+ve	B/Typhimurium
1708	+ve	Enteritidis	-ve		+ve	Typhimurium	+ve	Typhimurium
1733	+ve		-ve		+ve		+ve	
1770	+ve	S. Enteritidis	-ve		+ve	S. Typhimurium	+ve	S. Typhimurium
1812	+ve	D/Enteritidis	-ve		+ve	B/Typhimurium	+ve	B/Typhimurium
1853	+ve	S. Enteritidis	-ve		+ve	S. Typhimurium	+ve	S. Typhimurium
1884	+ve		-ve		+ve		+ve	
1894	+ve		-ve		+ve		+ve	
1905	+ve		+ve		+ve		+ve	
1913	+ve	D/Enteritidis	-ve		+ve	B/Typhimurium	+ve	B/-
1919	+ve	S. Enteritidis	-ve		+ve	S. Typhimurium	+ve	S. Typhimurium
1944	+ve	D S.enteritidis	-ve		+ve	B -Typhimurium	+ve	B -Typhimurium
1947	+ve	S. Enteritidis	-ve		+ve	S. Typhimurium	+ve	S. Typhimurium
1980	+ve	S.EnteritidisD1	-ve		+ve	S.TyphimuriumB	+ve	S.TyphimuriumB
2011	+ve		-ve		+ve		+ve	
2021	Nil Return							
2053	+ve	Salmonella spp	-ve		+ve	Salmonella spp	+ve	Salmonella spp
2090	+ve		-ve		+ve		+ve	
2096	+ve		-ve		+ve		+ve	
2098	+ve	D Enteritidis	-ve	Not Salmonella	+ve	B Typhimurium	+ve	B Typhimurium
2111	+ve	S. Enteritidis	-ve		+ve	S. Typhimurium	+ve	S. Typhimurium
2112	+ve	B	+ve	B	-ve		+ve	D
2131	+ve	S. Enteritidis	-ve	not detected	+ve	S. Typhimurium	+ve	S. Typhimurium
2143	+ve	S. Enteritidis	-ve		+ve	S. Typhimurium	+ve	S. Typhimurium
2167	+ve	S. Enteritidis	-ve		+ve	S. Typhimurium	+ve	S. Typhimurium
2204	+ve		-ve		+ve		+ve	
2212	+ve		-ve		+ve		+ve	
2214	+ve		-ve		+ve		+ve	

Culture	20/1782		20/1783		20/1784		20/1785	
	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 Enteritidis (approx. 7,000 cfu per vial) + Escherichia coli - Simulated 10 g carcass		Citrobacter youngae + Pseudomonas aeruginosa - Simulated 10 g faeces		Salmonella Typhimurium (approx. 130,000 cfu per vial) + Escherichia coli - Simulated chick box liner		Salmonella Typhimurium (approx. 120,000 cfu per vial) + Pseudomonas aeruginosa - Simulated 10 g faeces	
	+ve	Group D	-ve	Negative	+ve	Group B	+ve	Group B
2229	+ve	S. Enteritidis	-ve		+ve	S. Typhimurium	+ve	S. Typhimurium
2231	+ve	D	-ve	-	+ve	B	+ve	B
2240	+ve		-ve		+ve		+ve	
2262	+ve	enteritidis	+ve	OMC	+ve	O:4,5	+ve	O:4,5
2274	+ve		-ve		+ve		+ve	
2356	+ve		-ve		+ve		+ve	
2412	+ve	S. Enteritidis	-ve	Negative	+ve	S. Typhimurium	+ve	S. Typhimurium
2426	+ve		-ve		+ve		+ve	
2472	+ve	S. Enteritidis	-ve		+ve	S. Typhimurium	+ve	S. Typhimurium
2532	+ve	D/S.enteritidis	-ve		+ve	B/S.typhimurium	+ve	
2552	+ve		-ve		+ve		+ve	
2573	+ve		-ve		+ve		+ve	
2578	+ve	D	-ve		+ve	B	+ve	B
2659	+ve		-ve		+ve		+ve	
2667	+ve	Salmonella spp	-ve	P. aeuroginasa	+ve	Salmonella spp	+ve	Salmonella spp
2670	+ve	Group D1	-ve		+ve	Group B	+ve	Group B
2726	+ve	D	-ve		+ve	B	+ve	B
2753	+ve		-ve		+ve		+ve	
2762	+ve		-ve		+ve		+ve	
2767	+ve	Group D	-ve		+ve	Group B	+ve	Group B
2872	+ve		-ve		+ve		+ve	
2897	Nil Return							
2907	+ve	Group D	-ve		+ve	Group B	+ve	Group B
3015	+ve		-ve		+ve		+ve	
3081	+ve		-ve		+ve		+ve	
3134	+ve		-ve		+ve		+ve	
3174	+ve		-ve		+ve		+ve	
3205	+ve	D/Enteritidis	-ve		+ve	B/Typhimurium	+ve	B/Typhimurium
3361	+ve	Group D	-ve		+ve	Group B	+ve	Group B
3536	+ve		-ve		+ve		+ve	

Culture	20/1786	
	Interpretation (+ve/-ve/IC)	Salmonella Group/Type
Intended	Citrobacter youngae + Escherichia coli - Simulated boot swabs	
	-ve	Negative
1002	-ve	Negative
1023	-ve	
1033	-ve	

<b>Culture</b>	<b>20/1786</b>	
	Interpretation (+ve/-ve/IC)	Salmonella Group/Type
Intended	Citrobacter youngae + Escherichia coli - Simulated boot swabs	
	-ve	Negative
1067	-ve	
1076	Nil Return	
1081	+ve	Not Detected
1089	-ve	
1114	-ve	
1115	+ve	S. Typhimurium
1125	-ve	
1127	-ve	Negative
1133	-ve	Negative
1143	-ve	Negative
1156	-ve	
1157	-ve	
1158	-ve	-
1161	-ve	
1198	-ve	
1217	-ve	
1218	-ve	
1235	-ve	
1246	-ve	
1261	-ve	
1266	-ve	
1318	-ve	
1349	Nil Return	
1374	-ve	Citrobacter
1382	-ve	
1387	-ve	
1436	-ve	
1521	-ve	
1559	-ve	
1626	-ve	
1641	-ve	
1647	-ve	
1648	-ve	
1654	-ve	
1669	-ve	
1685	-ve	
1700	-ve	
1703	-ve	
1708	-ve	
1733	-ve	
1770	-ve	
1812	-ve	

<b>Culture</b>	<b>20/1786</b>	
	Interpretation (+ve/-ve/IC)	Salmonella Group/Type
Intended	Citrobacter youngae + Escherichia coli - Simulated boot swabs	
	-ve	Negative
1853	-ve	
1884	-ve	
1894	-ve	
1905	-ve	
1913	+ve	B/-
1919	-ve	
1944	+ve	B Typhimurium
1947	-ve	
1980	-ve	
2011	-ve	
2021	Nil Return	
2053	-ve	
2090	-ve	
2096	-ve	
2098	-ve	Not Salmonella
2111	-ve	
2112	-ve	
2131	-ve	not detected
2143	-ve	
2167	-ve	
2204	-ve	
2212	-ve	
2214	-ve	
2229	-ve	
2231	-ve	
2240	-ve	
2262	+ve	OMC
2274	-ve	
2356	-ve	
2412	-ve	Negative
2426	-ve	
2472	-ve	
2532	-ve	
2552	-ve	
2573	-ve	
2578	-ve	
2659	-ve	
2667	-ve	E.coli
2670	-ve	
2726	-ve	
2753	-ve	
2762	-ve	

<b>Culture</b>	<b>20/1786</b>	
	Interpretation (+ve/-ve/IC)	Salmonella Group/Type
Intended	Citrobacter youngae + Escherichia coli - Simulated boot swabs	
	-ve	Negative
2767	-ve	
2872	+ve	
2897	Nil Return	
2907	-ve	
3015	-ve	
3081	+ve	
3134	-ve	
3174	+ve	
3205	-ve	
3361	-ve	
3536	-ve	

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

---

#### **Comments provided by Michael Elliott, APHA Newcastle**

##### **Sample 20/1782** Salmonella Enteritidis & Escherichia coli – (+ve Gp D)

All labs who returned results correctly reported the presence of Salmonella species in this sample. Where labs had provided identification or serotyping results they all correlated with the expected result, with the exception of lab 2112 who reported a Gp B instead of a Gp D.

##### **Sample 20/1783** Citrobacter youngae & Pseudomonas aeruginosa – (-ve)

All labs who returned results correctly reported the absence of Salmonella species in this sample, with the exception of labs 1905, 2112 and 2262 who all reported the presence of Salmonella in the sample.

##### **Sample 20/1784** Salmonella Typhimurium & Escherichia – (+ve Gp B)

All labs who returned results correctly reported the presence of Salmonella species in this sample, with the exception of lab 2112 who reported the sample as negative. Where labs had provided identification or serotyping results, they all correlated with the expected result.

##### **Sample 20/1785** Salmonella Typhimurium & Pseudomonas aeruginosa – (+ve Gp B)

All labs who returned results correctly reported the presence of Salmonella species in this sample, with the exception of lab 1266 who reported the sample as negative. Where labs had provided identification or serotyping results, they all correlated with the expected result with the exception of lab 2112 who reported a Gp D instead of a Gp B.

##### **Sample 20/1786** Citrobacter youngae & Escherichia coli – (-ve)

All labs who returned results correctly reported the absence of Salmonella species in this sample, with the exception of labs 1115, 1913, 1944, 2262, 2872, 3081 and 3174 who all reported the presence of Salmonella in the sample.

Lab 1081 reported + as well as Not Detected -perhaps a result entry error).

None of the labs submitting incorrect results recorded any comments to indicate issues with the samples or their assays.

There were 4 Nil Returns, from Labs 1076, 1349, 2021 and 2897.

Vetqas comment: Participants in this distribution were from countries including South Africa, Italy, Serbia, The Netherlands, Portugal, India, UK, Turkey, Canada, Belgium, Eire, Germany, Chile, USA, Spain, Greece, Jordan, Malaysia, Cyprus, Brazil, Botswana, Malta, Switzerland, Thailand, Morocco, Croatia, Madiera, Indonesia and Australia.



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: 08/12/2020