



Proficiency testing for veterinary laboratories

Distribution Date: 04/02/2020

Results tabulation for 14063/BA PT0088: Salmonella in poultry

Culture	20/1144		20/1145		20/1146		20/1147		20/1148	
	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	Interpretation (+ve/-ve/IC)	Salmonella Group/Type
Intended	Citrobacter youngae + Escherichia coli		Salmonella Enteritidis (65,000 cfu per vial)		Citrobacter youngae + Escherichia coli		Citrobacter youngae + Pseudomonas aeruginosa		Salmonella Enteritidis (approx. 100,000 cfu per vial) + Pseudomonas aeruginosa	
	-ve	Negative	+ve	Group D	-ve	Negative	-ve	Negative	+ve	Group D
1002	Nil Return									
1023	-ve		+ve		-ve		-ve		+ve	
1033	-ve		+ve	Enteritidis	-ve		-ve		+ve	Enteritidis
1067	-ve		+ve		-ve		-ve		+ve	
1076	-ve		+ve	S. enteritidis	-ve		-ve		+ve	S. enteritidis
1089	-ve		+ve		-ve		-ve		+ve	
1114	-ve		+ve	S. Enteritidis	-ve		-ve		+ve	S. Enteritidis
1115	-ve		+ve	S. Enteritidis	-ve		-ve		+ve	S. Enteritidis
1121	-ve		+ve	enteritidis	-ve		-ve		+ve	enteritidis
1125	-ve		+ve		-ve		-ve		+ve	
1127	-ve	Negative	+ve	Group D	-ve	Negative	-ve	Negative	+ve	Group D
1133	-ve		+ve	Group D	-ve		-ve		+ve	Group D
1143	-ve	Negative	+ve	Group D	-ve	Negative	-ve	Negative	+ve	Group D
1157	-ve		+ve	Salm. (Gp. D)	-ve		-ve		+ve	Salm. (Gp. D)
1158	-ve	-	+ve	S. Enteritidis	-ve	-	-ve	-	+ve	S. Enteritidis
1161	-ve		+ve		-ve		+ve		+ve	
1190	-ve		+ve		-ve		-ve		+ve	
1198	-ve		+ve	Group D	-ve		-ve		+ve	Group D
1217	-ve		+ve	O:9 (D1)	-ve		-ve		+ve	O:9 (D1)
1220	-ve		+ve	Group D	-ve		-ve		+ve	Group D
1235	-ve		+ve		-ve		-ve		+ve	
1239	-ve	--	+ve	O:9 (Group D)	-ve	--	-ve	--	+ve	O:9 (Group D)
1246	-ve		+ve		-ve		-ve		+ve	
1261	-ve		+ve	D1	-ve		+ve	D1	+ve	D1
1266	-ve	Citrobacter	+ve	Salmonella spp	-ve	Citrobacter,	-ve	Citrobacter,	+ve	Salmonella spp
1318	-ve		+ve	Group D	-ve		-ve		+ve	Group D
1340	-ve		+ve		+ve		-ve		+ve	
1349	-ve		+ve		-ve		-ve		+ve	
1382	-ve		+ve	S. Enteritidis	-ve		-ve		+ve	S. Enteritidis
1387	-ve		+ve	D+	-ve		-ve		+ve	D+
1436	Nil Return									
1521	-ve		+ve	Group D	-ve		-ve		+ve	Group D
1559	-ve		+ve	S. Enteritidis	-ve		-ve		+ve	S. Enteritidis
1626	-ve		+ve		-ve		-ve		+ve	
1638	-ve		+ve		-ve		-ve		+ve	
1641	-ve		+ve	Group D	-ve		-ve		+ve	Group D
1647	-ve		+ve	S. Enteritidis	-ve		-ve		+ve	S. Enteritidis
1654	-ve		+ve	Group D	-ve		-ve		+ve	Group D
1669	-ve		+ve	S. Enteritidis	-ve		-ve		+ve	S. Enteritidis
1700	-ve		+ve	enteritidis D1	-ve		-ve		+ve	enteritidis D1
1770	-ve		+ve	S. enteritidis	-ve		-ve		+ve	S. enteritidis
1853	-ve		+ve	S. Enteritidis	-ve		-ve		+ve	S. Enteritidis

Culture	20/1144		20/1145		20/1146		20/1147		20/1148	
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Intended	Citrobacter youngae + Escherichia coli		Salmonella Enteritidis (65,000 cfu per vial)		Citrobacter youngae + Escherichia coli		Citrobacter youngae + Pseudomonas aeruginosa		Salmonella Enteritidis (approx. 100,000 cfu per vial) + Pseudomonas aeruginosa	
	-ve	Negative	+ve	Group D	-ve	Negative	-ve	Negative	+ve	Group D
1884	-ve		+ve		-ve		-ve		+ve	
1894	-ve		+ve	S.Enteritidis	-ve		-ve		+ve	S.Enteritidis
1896	-ve		+ve		-ve		+ve		+ve	
1905	-ve		+ve		-ve		-ve		+ve	
1919	-ve	citro.youngae	+ve	S.Enteritidis	-ve	citro.youngae	-ve	citro.youngae.	+ve	S.Enteritidis
1944	-ve		+ve	S Enteritidis	-ve		-ve		+ve	S Enteritidis
1947	-ve		+ve	S. Enteritidis	-ve		-ve		+ve	S. Enteritidis
1980	-ve		+ve	S.EnteritidisD1	-ve		-ve		+ve	S.EnteritidisD1
2011	-ve		+ve		-ve		-ve		+ve	
2021	-ve		+ve		-ve		-ve		+ve	
2053	-ve		+ve	Salmonella spp	-ve		-ve		+ve	Salmonella spp
2090	-ve		+ve		-ve		-ve		+ve	
2096	-ve		+ve		-ve		-ve		+ve	
2098	-ve	Not Salmonella	+ve	D Enteritidis	-ve	Not Salmonella	-ve	Not Salmonella	+ve	D Enteritidis
2111	-ve		+ve	S. Enteritidis	-ve		-ve		+ve	S. Enteritidis
2112	-ve		+ve	D	-ve		-ve		+ve	D
2131	-ve	not detected	+ve	S.Enteritidis	-ve	not detected	-ve	not detected	+ve	S.Enteritidis
2143	-ve		+ve	S.Enteritidis	-ve		-ve		+ve	S.Enteritidis
2146	Nil Return									
2167	-ve		+ve	S. Enteritidis	-ve		+ve	S. Enteritidis	-ve	
2204	-ve		+ve		-ve		+ve		+ve	
2212	-ve		+ve	Salmonella spp.	-ve		-ve		+ve	Salmonella spp.
2229	-ve		+ve	S. Enteritidis	-ve		-ve		+ve	S. Enteritidis
2240	-ve		+ve		-ve		-ve		+ve	
2273	Nil Return									
2274	-ve		+ve		-ve		-ve		+ve	
2326	-ve		+ve		-ve		-ve		+ve	
2356	-ve		+ve	Salmonella spp.	-ve		+ve	Salmonella spp.	+ve	Salmonella spp.
2369	-ve		+ve	D-Enteritidis	-ve		-ve		+ve	D-Enteritidis
2412	-ve		+ve	S. Enteritidis	-ve		-ve		+ve	S. Enteritidis
2426	-ve		+ve		-ve		-ve		+ve	
2458	-ve		+ve	Salmonella spp	-ve		-ve		+ve	Salmonella spp
2472	-ve		+ve	S. Enteritidis	-ve		-ve		+ve	S. Enteritidis
2508	-ve		+ve	Salmonella spp.	-ve		-ve		+ve	Salmonella spp.
2519	-ve		+ve		-ve		-ve		+ve	
2532	-ve		+ve	D/S.enteritidis	-ve		-ve		+ve	D/S.enteritidis
2552	-ve		+ve		-ve		-ve		+ve	
2573	-ve		+ve		-ve		-ve		+ve	
2578	-ve		+ve	D	-ve		-ve		+ve	D
2596	-ve		+ve	Group D	-ve		-ve	non group B,C,D	+ve	Group D
2670	-ve	N/A	+ve	Group D1	-ve	N/A	-ve	N/A	+ve	Group D1
2672	-ve		+ve	S.enteritidis	+ve	Salm. group B	+ve	Salm. group B	+ve	S.enteritidis
2726	-ve		+ve	D	-ve		-ve		+ve	D
2762	-ve		+ve		-ve		-ve		+ve	
2897	Nil Return									
2925	-ve		+ve	Group D	-ve		-ve		+ve	Group D
3015	-ve		+ve		-ve		-ve		+ve	
3205	-ve		+ve	D/Enteritidis	-ve		-ve		+ve	D/Enteritidis
3361	-ve		+ve	Group D	-ve		-ve		+ve	Group D

Intended results were determined using BPW into MSRV agar.

Sample 20/1146 = 20/1144

Comments provided by Michael Elliott, APHA Newcastle

Sample 20/1144 *Citrobacter youngae* & *Escherichia coli* – Negative

All labs, who returned results, correctly reported an absence of Salmonella in this sample.

Sample 20/1145 *Salmonella Enteritidis* - Positive Group D

All labs, who returned results, correctly reported the presence of Salmonella in this sample. The labs who provided serotyping results also correctly identified the isolate as a Group D or Enteritidis.

Sample 20/1146 *Citrobacter youngae* & *Escherichia coli* – Negative

With the exception of Lab 1340 and 2672 all labs, who returned results, correctly reported an absence of Salmonella in this sample.

Lab 1340 incorrectly reported the presence of a Salmonella in this sample and lab 2672 incorrectly reported isolating a Group B Salmonella from this sample.

Sample 20/1147 *Citrobacter youngae* & *Pseudomonas aeruginosa* – Negative

With the exception of Labs 1161, 1261, 1896, 2167, 2204, 2356 and 2672 all remaining labs, who returned results, correctly reported an absence of Salmonella in this sample.

Labs 1161, 1896, 2204 and 2356 incorrectly reported the presence of a Salmonella in this sample, Labs 1261 and 2167 incorrectly reported isolating a Salmonella Group D or Enteritidis from this sample and Lab 2672 incorrectly reported a Group B Salmonella from this sample.

Sample 20/1148 *Salmonella Enteritidis* & *Pseudomonas aeruginosa* – Positive Group D

All labs, who returned results, correctly reported the presence of Salmonella in this sample. The labs who provided serotyping results also correctly identified the isolate as a Group D or Enteritidis.

Lab 1318 noted that there was no vacuum in Sample 20/1147. No other labs reported any issues with the samples. When there are any concerns about a sample vial provided please contact vetqas@apha.gov.uk for a repeat vial time allowing.

There were Nil Returns from Labs 1002, 1436, 2146, 2273 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, Croatia, Germany, Chile, USA, Spain, Greece, Malaysia, Cyprus, Brazil, Botswana, Thailand, Brunei, Malta, Singapore, and Morocco.



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