

Proficiency testing for veterinary laboratories

Results tabulation for 8256/BA PT0088: Salmonella in poultry	Distribution Date: 03/05/2011
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Culture	11/1347		11/1348		11/1349		11/1350		11/1351	
	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	Positive Group D		Negative - Citrobacter youngae		Negative - Sterile		Negative - E coli + Pseudomonas aeruginosa		Negative - Citrobacter youngae	
	+ve	S Enteritidis	-ve		-ve		-ve		-ve	
1002	+ve	S. Enteritidis	+ve	Group N	-ve		-ve		+ve	Group N
1050	Nil Return									
1056	+ve	D/enteritidis	-ve		+ve	D/enteritidis	+ve	D/enteritidis	-ve	
1067	+ve	S. Enteritidis	-ve		-ve		-ve		-ve	
1076	+ve	D/S.enteritidis	-ve		-ve		-ve		-ve	
1089	+ve		-ve		-ve		-ve		-ve	
1093	+ve	not serotyped	-ve		-ve		-ve		-ve	
1114	+ve	S. Enteritidis	-ve		-ve		-ve		-ve	
1115	+ve		-ve		-ve		-ve		-ve	
1125	+ve	D(1,9,12)	-ve		-ve		-ve		-ve	
1127	Nil Return									
1132	+ve		-ve		-ve		-ve		-ve	
1133	+ve	Group D	-ve	Not Salmonella	-ve	No growth	-ve	Not Salmonella	-ve	Not Salmonella
1143	+ve	Group D	-ve		-ve		-ve		-ve	
1145	IC	Salmonella spp		NOT DETECTED		NOT DETECTED		NOT DETECTED		NOT DETECTED
1158	+ve	S. Enteritidis	-ve	-	-ve	-	-ve	-	-ve	-
1212	Nil Return									
1218	+ve	S. Enteritidis	-ve		-ve		-ve		-ve	
1235	+ve	NA	-ve	NA	-ve	NA	-ve	NA	-ve	NA
1246	+ve	S. enteritidis	-ve		-ve		-ve		-ve	
1248	+ve	S. Enteritidis	-ve		-ve		-ve		-ve	
1318	+ve	D	-ve		-ve		-ve		-ve	
1327	+ve		-ve		-ve		-ve		-ve	
1340	+ve	Group D	-ve		-ve		-ve		-ve	
1349	+ve	S. enteritidis	-ve		-ve		-ve		-ve	
1374	+ve	Group D	-ve	Citrobacter	-ve	No growth	-ve	Negative	-ve	Citrobacter
1382	+ve	S.Enteritidis	-ve	-	-ve	-	-ve	-	-ve	-
1387	+ve	Group D	-ve		-ve		-ve		-ve	
1411	+ve	Group D	-ve		-ve		-ve		-ve	
1436	+ve	S.enteritidis	-ve		-ve		-ve		-ve	
1495	+ve	S.Enteritidis	-ve		-ve		-ve		-ve	
1559	+ve	S. Enteritidis	-ve		-ve		-ve		-ve	
1597	+ve	Group D	-ve		-ve		-ve		-ve	
1626	+ve		-ve		-ve		-ve		-ve	
1638	+ve	N/A	-ve	N/A	-ve	N/A	+ve	N/A	-ve	N/A
1639	+ve	Salmonella spp	-ve		-ve		-ve		-ve	
1641	+ve	D S Enteritidis	-ve		-ve		-ve		-ve	

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Intended	Positive Group D		Negative - Citrobacter youngae		Negative - Sterile		Negative - E coli + Pseudomonas aeruginosa		Negative - Citrobacter youngae	
	+ve	S Enteritidis	-ve		-ve		-ve		-ve	
1647	+ve	S. Enteritidis	+ve	non motile A-S	-ve		-ve		+ve	non motile A-S
1650	Nil Return									
1654	+ve	Group D	-ve		-ve		-ve		-ve	
1673	+ve	nd	-ve	nd	-ve	nd	-ve	nd	-ve	nd
1675	+ve	Group D	-ve		-ve		-ve		-ve	
1685	+ve	Salmonella spp	-ve		-ve		-ve		-ve	
1696	+ve		-ve		-ve		-ve		-ve	
1700	+ve	s.enteritidis		negativo		negativo		negativo		
1714	+ve	S. Enteritidis	-ve	negative	-ve	negative	-ve	P. aeruginosa	-ve	negative
1733	+ve		-ve		-ve		-ve		-ve	
1770	+ve	S. enteritidis	-ve		-ve		-ve		-ve	
1773	+ve	D/Enteritidis	-ve		-ve		-ve		-ve	
1833	+ve	S. Enteritidis	-ve		-ve		-ve		-ve	
1853	+ve	S. Enteritidis	-ve		-ve		-ve		-ve	
1877	+ve	S. Enteritidis	-ve		-ve	steril	-ve		-ve	
1884	+ve	S.Enteritidis	-ve		-ve		-ve		-ve	
1944	+ve	Group D	IC		-ve		-ve		+ve	
1947	+ve	S. Enteritidis	-ve		-ve		-ve		-ve	
1980	+ve	S. Enteritidis	-ve		-ve		-ve		-ve	
2053	+ve	Salmonella spp.	-ve		-ve		-ve		-ve	
2072	+ve		+ve		-ve		-ve		+ve	
2077	+ve	S. enteritidis	-ve		-ve		-ve		-ve	
2091	+ve		-ve		-ve		-ve		-ve	
2096	+ve	D	+ve	D	-ve		-ve		-ve	
2098	+ve	D Enteritidis	-ve	Not Salmonella	-ve	No growth	-ve	Not Salmonella	-ve	Not Salmonella
2131	+ve	O-9/Enteritidis	-ve	not detected	-ve	not detected	-ve	not detected	-ve	not detected
2143	+ve	S. Enteritidis	-ve		-ve		-ve		-ve	
2146	+ve		-ve		-ve		-ve		-ve	
2158	+ve		-ve		-ve		-ve		-ve	
2161	+ve		-ve		-ve		-ve		-ve	
2167	+ve	S. Enteritidis	-ve		-ve		-ve		-ve	
2204		positive		negatief		negatief		negatief		negatief
2205	+ve		-ve		-ve		-ve		-ve	
2212	+ve	Salmonella spp.	-ve		-ve		-ve		-ve	
2228	+ve		-ve		-ve		-ve		-ve	
2229	+ve	S. enteritidis	-ve		-ve		-ve		-ve	
2240	+ve		-ve		-ve		-ve		-ve	
2258	+ve		-ve		-ve		-ve		-ve	
2274	+ve	S. Enteritidis	-ve		-ve		-ve		-ve	
2280	+ve		-ve		-ve		-ve		-ve	
2309	+ve		-ve		-ve		-ve		-ve	

Culture	11/1347		11/1348		11/1349		11/1350		11/1351	
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Intended	Positive Group D		Negative - Citrobacter youngae		Negative - Sterile		Negative - E coli + Pseudomonas aeruginosa		Negative - Citrobacter youngae	
	+ve	S Enteritidis	-ve		-ve		-ve		-ve	
2315	+ve	S.enteritidis	-ve	//	-ve	//	-ve	//	-ve	//
2326	+ve		-ve		-ve		-ve		-ve	
2353	+ve		+ve		-ve		-ve		-ve	
2356	+ve		-ve		-ve		-ve		-ve	
2361	-ve		-ve		+ve	Salmonella spp	-ve		-ve	
2423	+ve		+ve		+ve		-ve		-ve	
2426	+ve		-ve		-ve		-ve		-ve	
2455	+ve		-ve		-ve		-ve		-ve	
2458	+ve	Salmonella spp	-ve		-ve		-ve		-ve	
2472	+ve		-ve		-ve		-ve		+ve	
2482	+ve	S. Enteritidis	-ve		-ve		-ve		-ve	
2488	+ve		+ve		-ve		-ve		+ve	
2508	+ve	Group D	-ve	Citrobacter	-ve	No growth	-ve		-ve	Citrobacter
2521	+ve	Group D	-ve	Not detected	-ve	Not detected	-ve	Not detected	-ve	Not detected
2552	+ve		-ve		-ve		-ve		-ve	
2554	+ve	Salmonella spp	+ve	Salmonella spp	-ve		-ve		-ve	
2561	+ve		-ve		-ve		-ve		-ve	
2568	+ve	O(9)	-ve		-ve		-ve		-ve	
2570	+ve	D/enteritidis	-ve		-ve		-ve		-ve	
2573	+ve	D	-ve		-ve		-ve		-ve	
2633	+ve	Salmonella spp.	-ve		-ve		-ve		-ve	
2667	+ve		-ve		-ve		-ve		-ve	
2680	+ve	Enteritidis	-ve		-ve		-ve		-ve	
2686	+ve		-ve		-ve		-ve		-ve	
2722	+ve	Group D	-ve		-ve		-ve		-ve	
2726	+ve	positive D	-ve	negative result	-ve	negative result	-ve	negative result	-ve	negative result
2755	+ve	D	-ve		-ve		-ve		-ve	
2762	+ve	enteritidis	-ve		-ve		-ve		-ve	

Sample 11/1348 = 11/1351.

Comments provided by Diane Dawson, Quality Assurance Unit Sutton Bonington

Samples were sent to 106 laboratories and there were 4 Nil Returns from labs 1050, 1127, 1212 & 1650.

11/1347- Pure S Enteritidis: Lab 2361 reported as negative and 1145 as inconclusive.

11/1349- Sterile: 3 labs cross-contaminated and reported as positive : 1056, 2361 & 2423.

11/1350- Pseudomonas & E coli: 2 labs reported as positive, 1056 & 1638.

11/1348 = 11/1351 *Citrobacter youngae*: This sample caused the most difficulty.

4 labs reported both samples as +ve Salmonella : 1002, 1647, 2072 & 2488; lab 2472 reported only 11/1351 as +ve, and 2096, 2353, 2423 & 2554 reported only 11/1348 as +ve Salmonella.

It is recommended that biochemical tests should be carried out to help confirm the identity of suspicious isolates, especially since this *Citrobacter* sample caused difficulties for some labs.



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