



Proficiency testing for veterinary laboratories

Results tabulation for 11634/BA PT0088: Salmonella in poultry

Distribution Date: 07/08/2014

| Culture | 14/1645 | | 14/1646 | | 14/1647 | | 14/1648 | | 14/1649 | |
|----------|-------------------------------------|-----------------------|--|-----------------------|---|-----------------------|--|-----------------------|-----------------------------|-----------------------|
| | 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 | Salmonella enterica subsp. arizonae | | Citrobacter youngae + Pseudomonas aeruginosa | | Salmonella Enteritidis + Escherichia coli | | Salmonella Typhimurium + Citrobacter youngae | | Klebsiella pneumoniae | |
| | +ve | Group IIIa | -ve | Negative | +ve | Group D | +ve | Group B | -ve | Negative |
| 1002 | +ve | K:O:18 | -ve | N/A | +ve | Enteritidis | +ve | Typhimurium | -ve | |
| 1030 | -ve | | -ve | | -ve | | +ve | B/Typhimurium | -ve | |
| 1076 | +ve | Polyvalent 2 | -ve | | +ve | S. enteritidis | +ve | S. typhimurium | -ve | |
| 1089 | +ve | | -ve | | +ve | | +ve | | -ve | |
| 1114 | +ve | Group O:18 (K) | -ve | | +ve | Group O:9 (D1) | +ve | Group O:4 (B) | -ve | |
| 1115 | +ve | | -ve | | +ve | | +ve | | -ve | |
| 1125 | +ve | | -ve | | +ve | Enteritidis | +ve | Typhimurium | -ve | |
| 1127 | +ve | | -ve | | +ve | Group D | +ve | Group B | -ve | |
| 1133 | -ve | | -ve | | +ve | D | +ve | B | -ve | |
| 1143 | +ve | Group ? | -ve | Negative | +ve | Group D | +ve | Group B | -ve | Negative |
| 1157 | +ve | Salm. (Poly O) | -ve | | +ve | Salm. (Gp.D) | +ve | Salm. (Gp.B) | -ve | |
| 1158 | -ve | - | +ve | S. Derby | +ve | S. Enteritidis | +ve | S. Typhimurium | -ve | - |
| 1198 | +ve | Did not group | -ve | | +ve | Group D | +ve | Group B | -ve | |
| 1217 | +ve | Group O:18 (K) | -ve | | +ve | Group O:9 (D1) | +ve | Group O:4 (B) | -ve | |
| 1235 | +ve | | -ve | | +ve | | +ve | | +ve | |
| 1246 | +ve | Salmonella III | -ve | | +ve | S. Enteritidis | +ve | S. Typhimurium | -ve | |
| 1318 | +ve | S. Arizonae | -ve | | +ve | Group D | +ve | Group B | -ve | |
| 1340 | -ve | | -ve | | +ve | Group C+D | +ve | Group B | -ve | |
| 1349 | +ve | S.aarhus | -ve | not salmonella | +ve | S.enteritidis | +ve | Styphimurium | -ve | |
| 1382 | +ve | Salmonella | -ve | | +ve | S. Enteritidis | +ve | S. Typhimurium | -ve | |
| 1387 | -ve | | -ve | | +ve | serogroup D | +ve | serogroup B | -ve | |
| 1436 | +ve | OMC +, z4 | -ve | | +ve | S. Enteritidis | +ve | S.Typhimurium | -ve | |
| 1495 | +ve | S. Enterica | -ve | | +ve | S. Enteritidis | +ve | S. Typhimurium | -ve | |
| 1521 | +ve | | -ve | | +ve | | +ve | | -ve | |
| 1559 | +ve | S. group F-67 | -ve | | +ve | S. Enteritidis | +ve | S. group B | -ve | |
| 1626 | +ve | | -ve | | +ve | | +ve | | -ve | |
| 1638 | +ve | | -ve | | +ve | | +ve | | -ve | |
| 1642 | +ve | S. Typhimurium | -ve | Negative | +ve | S. Enteritidis | +ve | S. Typhimurium | -ve | Negative |
| 1647 | +ve | Salmonella spp | -ve | | +ve | S. Enteritidis | +ve | S. Typhimurium | -ve | |
| 1654 | +ve | Salmonella sp. | -ve | N/A | +ve | Group D | +ve | Group B | -ve | N/A |
| 1673 | +ve | | -ve | | +ve | | +ve | | -ve | |
| 1681 | +ve | 18:z4,z32:- | -ve | | +ve | S. Enteritidis | +ve | S. Typhimurium | -ve | |
| 1696 | +ve | | -ve | | +ve | | +ve | | -ve | |
| 1700 | +ve | s.arizonae | -ve | negativo | +ve | s.enteritidis | +ve | s.typhimurium | -ve | negativo |
| 1733 | +ve | | -ve | | +ve | | +ve | | -ve | |
| 1770 | +ve | S. group II | -ve | C. youngae | +ve | S. enteritidis | +ve | S. typhimurium | IC | negative |
| 1812 | +ve | iii_18:z4,z32:- | -ve | | +ve | Enteritidis | +ve | Typhimurium | -ve | |
| 1853 | +ve | Group K O:18 | -ve | | +ve | S. Enteritidis | +ve | S. Typhimurium | -ve | |
| 1877 | +ve | | -ve | | +ve | | +ve | | -ve | |
| 1894 | +ve | s. arizonae | -ve | citrobacter | +ve | salmonella spp. | +ve | salmonella spp. | -ve | klebsiella |
| 1905 | +ve | Salmonella III | -ve | | +ve | Salmonella I | +ve | Salmonella I | -ve | |
| 1944 | +ve | | -ve | | +ve | D(enteritidis) | +ve | B (typhimurium) | -ve | |
| 1947 | +ve | Ext. Company | -ve | | +ve | S. Enteritidis | +ve | S. Typhimurium | -ve | |

| Culture | 14/1645 | | 14/1646 | | 14/1647 | | 14/1648 | | 14/1649 | |
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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 | Interpretation (+ve/-ve/IC) | Salmonella Group/Type |
| Intended | Salmonella enterica subsp. arizonae | | Citrobacter youngae + Pseudomonas aeruginosa | | Salmonella Enteritidis + Escherichia coli | | Salmonella Typhimurium + Citrobacter youngae | | Klebsiella pneumoniae | |
| | +ve | Group IIIa | -ve | Negative | +ve | Group D | +ve | Group B | -ve | Negative |
| 2011 | -ve | | -ve | | +ve | | +ve | | -ve | |
| 2053 | +ve | S arizonae | -ve | | +ve | Salmonella spp | +ve | Salmonella spp | -ve | |
| 2096 | +ve | | -ve | | +ve | | +ve | | -ve | |
| 2098 | +ve | K 018:z4:z32 | -ve | NOT SALMONELLA | +ve | D ENTERITIDIS | +ve | B TYPHIMURIUM | -ve | NOT SALMONELLA |
| 2111 | +ve | Salmonella spp | -ve | | +ve | S. enteritidis | +ve | S. typhimurium | -ve | |
| 2112 | -ve | | -ve | | +ve | D | +ve | B | -ve | |
| 2131 | -ve | not detected | -ve | not detected | +ve | S. Enteritidis | +ve | S. Typhimurium | -ve | not detected |
| 2143 | +ve | Salmonella spp. | -ve | | +ve | S. Enteritidis | +ve | S. Typhimurium | -ve | |
| 2146 | +ve | | -ve | | +ve | | +ve | | -ve | |
| 2158 | +ve | | -ve | | +ve | | +ve | | -ve | |
| 2167 | +ve | IIIa18:z4,z32:- | -ve | | +ve | S. Enteritidis | +ve | S. Typhimurium | -ve | |
| 2204 | +ve | | -ve | | +ve | | +ve | | +ve | |
| 2212 | +ve | salmonella spp. | -ve | | +ve | Salmonella spp. | +ve | Salmonella spp. | -ve | |
| 2229 | -ve | | -ve | | +ve | S. Enteritidis | +ve | S. Typhimurium | -ve | |
| 2240 | +ve | | -ve | | +ve | | +ve | | -ve | |
| 2258 | -ve | | -ve | | +ve | | +ve | | -ve | |
| 2262 | +ve | OMC | -ve | | +ve | Enteritidis | +ve | Typhimurium | -ve | |
| 2274 | +ve | | -ve | | +ve | | +ve | | -ve | |
| 2356 | +ve | | -ve | | +ve | | +ve | | -ve | |
| 2386 | -ve | | -ve | | +ve | | +ve | | -ve | |
| 2412 | -ve | | -ve | | +ve | S. Enteritidis | +ve | S. sp group B | -ve | |
| 2426 | +ve | | -ve | | +ve | | +ve | | -ve | |
| 2455 | +ve | | -ve | | +ve | | +ve | | -ve | |
| 2458 | +ve | Salmonella spp. | -ve | | +ve | Salmonella spp. | +ve | Salmonella spp. | -ve | |
| 2472 | +ve | S arizonae | -ve | | +ve | S enteritidis | +ve | S typhimurium | -ve | |
| 2508 | +ve | Salmonella sp. | -ve | | +ve | Salmonella sp. | +ve | Salmonella sp. | -ve | |
| 2552 | +ve | | -ve | | +ve | | +ve | | -ve | |
| 2554 | +ve | | +ve | | +ve | | +ve | | +ve | |
| 2573 | +ve | | -ve | | +ve | | -ve | | -ve | |
| 2628 | +ve | | -ve | | +ve | | +ve | | -ve | |
| 2667 | +ve | Salmonella spp. | -ve | Pseudomonas | +ve | salmonella spp | +ve | Salmonella spp. | -ve | Klebsiella |
| 2670 | +ve | Salmonella | -ve | | +ve | Group D1 | +ve | Group B | -ve | |
| 2726 | +ve | | -ve | | +ve | | +ve | | -ve | |
| 2755 | +ve | | -ve | | +ve | | +ve | | -ve | |
| 2762 | +ve | | -ve | | +ve | | +ve | | -ve | |
| 2799 | +ve | | -ve | | +ve | | +ve | | +ve | |
| 2823 | +ve | | -ve | | +ve | | +ve | | -ve | |
| 3015 | +ve | | +ve | | +ve | | +ve | | -ve | |
| 3020 | +ve | S. arizonae | -ve | | +ve | S. Enteritidis | +ve | S. Typhimurium | -ve | |
| 3033 | +ve | Salmonella III | -ve | | +ve | Salmonella I | +ve | Salmonella I | -ve | |

Intended results were determined using BPW into MSRV agar.

Comments provided by Gordon Bennett, AHVLA Lasswade

Sample 14/1645 - Intended - Positive, Salmonella enterica subspecies Arizonae (SGIII 018:Z4,Z32)

Laboratories 1030, 1133, 1158, 1340, 1387, 2011, 2112, 2131, 2229, 2258, 2386 and 2412 incorrectly reported as negative and failed to isolate Salmonella.

Laboratory 1349 correctly reported positive, however, incorrectly typed it as S. Aarhus.
 Laboratory 1559 correctly reported positive, however, incorrectly grouped it as Group F.
 Laboratory 1642 correctly reported positive, however, incorrectly typed it as S. Typhimurium.
 Laboratory 1770 correctly reported positive, however, incorrectly reported as subspecies II instead of III.
 All other laboratories correctly returned a positive result with those able to serogroup correctly typing it as Group K, 018 or Arizonae.

Sample 14/1646 - Intended - Negative, *Citrobacter youngae* and *Pseudomonas aeruginosa*

Laboratories 1158, 2554 and 3015 incorrectly reported this sample as positive and 1158 reported it as S. Derby.
 All other laboratories correctly returned a negative result.

Sample 14/1647 - Intended - Positive, *S. Enteritidis* and *E. coli*

Laboratory 1030 incorrectly failed to isolate *Salmonella* and reported it as negative.
 All other laboratories correctly returned a positive result with those able to serogroup correctly typing it as Group D.

Sample 14/1648 - Intended - Positive, *S. Typhimurium* and *Citrobacter youngae*

Laboratory 2573 incorrectly reported negative and failed to isolate *Salmonella*.
 All other laboratories correctly returned a positive result with those able to serogroup correctly typing as *S. Typhimurium* or Group B.

Sample 14/1649 - Intended - Negative, *Klebsiella pneumoniae*

Laboratories 1235, 2204, 2554 and 2799 all incorrectly reported a positive result.
 All other laboratories correctly returned a negative result, although laboratory 1770 reported an inconclusive interpretation then negative for *Salmonella* Group/Type.



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Paula Johnson
 Scheme Coordinator
 Animal Health and Veterinary Laboratories Agency
 Quality Assurance Unit
 The Elms, College Road
 Sutton Bonington
 Loughborough
 Leicestershire
 LE12 5RB
 UK
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