



Results tabulation for 15292/BA PT0088: Salmonella in poultry

Distribution Date: 07/02/2023

| Culture | 23/1144 | | 23/1145 | | 23/1146 | | 23/1147 | |
|----------|--|-----------------------|--|-----------------------|---|-----------------------|---|-----------------------|
| | 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 - Salmonella Enteritidis (approx. 1,700 cfu per vial) | | Simulated chick box liner - Citrobacter youngae + Pseudomonas aeruginosa | | Simulated 10 g faeces - Salmonella Typhimurium (approx. 35,000 cfu per vial) + Escherichia coli + Citrobacter youngae | | Simulated chick box liner - Escherichia coli + Pseudomonas aeruginosa | |
| | +ve | Group D | -ve | Negative | +ve | Group B | -ve | Negative |
| 1002 | +ve | Enteritidis | -ve | | +ve | Typhimurium | -ve | |
| 1023 | +ve | | -ve | | +ve | | -ve | |
| 1033 | +ve | D/S.Enteritidis | -ve | | +ve | B/S.Typhimurium | -ve | |
| 1067 | +ve | S. Enteritidis | -ve | | +ve | S. Typhimurium | -ve | |
| 1076 | +ve | D/S.enteritidis | -ve | | +ve | B/S.typhimurium | -ve | |
| 1081 | +ve | Enteritidis (D) | -ve | | +ve | (B) (O=4) (H=i) | -ve | |
| 1089 | +ve | | -ve | | +ve | | -ve | |
| 1114 | +ve | S. Enteritidis | -ve | | +ve | S. Typhimurium | -ve | |
| 1115 | +ve | | -ve | | +ve | | -ve | |
| 1121 | +ve | Enteritidis | -ve | | +ve | Typhimurium | -ve | |
| 1127 | +ve | Group- D | -ve | | +ve | Group-B | -ve | |
| 1133 | +ve | Group D | -ve | Negative | +ve | Group B | -ve | Negative |
| 1143 | +ve | Group D | -ve | Negative | +ve | Group B | -ve | Negative |
| 1157 | +ve | Salm. (Gp. D) | -ve | | +ve | Salm. (Gp. B) | -ve | |
| 1158 | +ve | S. Enteritidis | -ve | - | +ve | S. Typhimurium | -ve | - |
| 1161 | +ve | | -ve | | +ve | | -ve | |
| 1163 | +ve | | -ve | | +ve | | -ve | |
| 1190 | +ve | Salmonella spp. | -ve | Salmonella spp. | +ve | Salmonella spp. | -ve | Salmonella spp. |
| 1198 | +ve | Group D | -ve | | +ve | Group B | -ve | |
| 1217 | +ve | O:9 (D1) | -ve | | +ve | O:4 (B) | -ve | |
| 1235 | Unable to Test | | | | | | | |
| 1349 | +ve | Salmonella spp. | -ve | | +ve | Salmonella spp. | -ve | |
| 1382 | +ve | S. Enteritidis | -ve | | +ve | S. Typhimurium | -ve | |
| 1387 | +ve | pos groep D | -ve | | +ve | pos groep B | -ve | |
| 1423 | +ve | Salmonella spp. | -ve | | +ve | Salmonella spp. | -ve | |
| 1436 | Unable to Test | | | | | | | |
| 1521 | +ve | Group D | -ve | | +ve | | -ve | |

| Culture | 23/1144 | | 23/1145 | | 23/1146 | | 23/1147 | |
|----------|--|-----------------------|--|-----------------------|---|-----------------------|---|-----------------------|
| | 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 - Salmonella Enteritidis (approx. 1,700 cfu per vial) | | Simulated chick box liner - Citrobacter youngae + Pseudomonas aeruginosa | | Simulated 10 g faeces - Salmonella Typhimurium (approx. 35,000 cfu per vial) + Escherichia coli + Citrobacter youngae | | Simulated chick box liner - Escherichia coli + Pseudomonas aeruginosa | |
| | +ve | Group D | -ve | Negative | +ve | Group B | -ve | Negative |
| 1559 | +ve | S. Enteritidis | -ve | | +ve | S. Typhimurium | -ve | |
| 1626 | +ve | | -ve | | +ve | | -ve | |
| 1638 | +ve | | -ve | | +ve | | -ve | |
| 1641 | +ve | D/ Enteritidis | -ve | | +ve | B/ Typhimurium | -ve | |
| 1647 | +ve | Enteritidis | -ve | | +ve | Typhimurium | -ve | |
| 1654 | +ve | Group D | -ve | N/A | +ve | Group B | -ve | N/A |
| 1658 | +ve | - | -ve | | +ve | - | -ve | - |
| 1669 | +ve | S. Enteritidis | -ve | | +ve | S. Typhimurium | -ve | |
| 1700 | +ve | S.Enteritidis | -ve | | +ve | S.Typhimurium | -ve | |
| 1733 | +ve | | -ve | | +ve | | -ve | |
| 1770 | Nil Return | | | | | | | |
| 1884 | +ve | | -ve | | +ve | | -ve | |
| 1894 | +ve | S. Enteritidis | -ve | | +ve | S. Typhimurium | -ve | |
| 1919 | +ve | S. Enteritidis | -ve | | +ve | S.Typhimurium | -ve | |
| 1944 | +ve | D enteritidis | -ve | | +ve | B Hi + | -ve | |
| 1947 | +ve | S. Enteritidis | -ve | | +ve | S. Typhimurium | -ve | |
| 1980 | +ve | S.EnteritidisD1 | -ve | | +ve | S.TyphimuriumB | -ve | |
| 2021 | +ve | | -ve | | +ve | | -ve | |
| 2027 | +ve | S. Enteritidis | -ve | Not Salmonella | +ve | S. Typhimurium | -ve | Not Salmonella |
| 2053 | Nil Return | | | | | | | |
| 2096 | Nil Return | | | | | | | |
| 2098 | +ve | D Enteritidis | -ve | Not Salmonella | +ve | B Typhimurium | -ve | Not Salmonella |
| 2111 | +ve | S. Enteritidis | -ve | | +ve | S. Typhimurium | -ve | |
| 2112 | +ve | D | -ve | n/a | +ve | B | -ve | n/a |
| 2131 | +ve | S. Enteritidis | -ve | not detected | +ve | S. Typhimurium | -ve | not detected |
| 2143 | +ve | S. Enteritidis | -ve | | +ve | S. Typhimurium | -ve | |
| 2146 | +ve | | -ve | | +ve | | -ve | |
| 2167 | +ve | S. Enteritidis | -ve | | +ve | S. Typhimurium | -ve | |
| 2204 | +ve | | -ve | | +ve | | -ve | |
| 2212 | +ve | Salmonella spp. | -ve | | +ve | Salmonella spp. | -ve | |
| 2229 | +ve | S. Enteritidis | -ve | | +ve | S. Typhimurium | -ve | |
| 2231 | +ve | D | -ve | - | +ve | B | -ve | |
| 2240 | +ve | | -ve | | +ve | | -ve | |
| 2267 | Nil Return | | | | | | | |
| 2274 | +ve | | -ve | | +ve | | -ve | |
| 2356 | +ve | | -ve | | +ve | | -ve | |
| 2369 | +ve | O:9 Enteritidis | -ve | | +ve | O:4 Typhimurium | -ve | |
| 2426 | +ve | | -ve | | +ve | | -ve | |
| 2472 | +ve | S. Enteritidis | -ve | | +ve | S. Typhimurium | -ve | |
| 2508 | Nil Return | | | | | | | |
| 2532 | +ve | D/S.enteritidis | -ve | | +ve | B/S.typhimurium | +ve | B/S.typhimurium |

| Culture | 23/1144 | | 23/1145 | | 23/1146 | | 23/1147 | |
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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 |
| Intended | Simulated 10 g carcass - Salmonella Enteritidis (approx. 1,700 cfu per vial) | | Simulated chick box liner - Citrobacter youngae + Pseudomonas aeruginosa | | Simulated 10 g faeces - Salmonella Typhimurium (approx. 35,000 cfu per vial) + Escherichia coli + Citrobacter youngae | | Simulated chick box liner - Escherichia coli + Pseudomonas aeruginosa | |
| | +ve | Group D | -ve | Negative | +ve | Group B | -ve | Negative |
| 2552 | +ve | | -ve | | +ve | | -ve | |
| 2578 | +ve | D | -ve | | +ve | B | -ve | |
| 2628 | +ve | Enteritidis grD | -ve | | +ve | Typhimurium grB | -ve | |
| 2662 | +ve | D | -ve | | +ve | B | -ve | |
| 2670 | +ve | Group D1 | -ve | | +ve | Group B | -ve | |
| 2762 | +ve | | -ve | | +ve | | -ve | |
| 2767 | Nil Return | | | | | | | |
| 3174 | +ve | | -ve | | +ve | | -ve | |
| 3290 | +ve | Group D | -ve | | +ve | Group B | -ve | |
| 3361 | +ve | Group D | -ve | | +ve | Group B | -ve | |
| 3536 | +ve | | -ve | | +ve | | -ve | |

| Culture | 23/1148 | |
|----------|--|-----------------------|
| | Interpretation (+ve/-ve/IC) | Salmonella Group/Type |
| Intended | Simulated boot swabs - Salmonella Agona (approx. 6,000 cfu per vial) | |
| | +ve | Group B |
| 1002 | +ve | Agona |
| 1023 | +ve | |
| 1033 | +ve | B |
| 1067 | +ve | S. Agona |
| 1076 | +ve | B/ S.agona |
| 1081 | +ve | Agona (B) |
| 1089 | +ve | |
| 1114 | +ve | S. Agona |
| 1115 | +ve | |
| 1121 | +ve | Agona |
| 1127 | +ve | Group-B |
| 1133 | +ve | Group B |
| 1143 | +ve | Group B |
| 1157 | +ve | Salm. (Gp. B) |
| 1158 | +ve | S. Agona |
| 1161 | +ve | |
| 1163 | +ve | |
| 1190 | +ve | Salmonella spp. |
| 1198 | +ve | Group B |
| 1217 | +ve | O:4 (B) |
| 1235 | Unable to Test | |
| 1349 | +ve | Salmonella spp. |

| Culture | 23/1148 | |
|----------------|---|--------------------------|
| | Interpretation (+ve/-ve/IC) | Salmonella Group/Type |
| Intended | Simulated boot swabs - Salmonella Agona (approx. 6,000 cfu per vial) | |
| | +ve | Group B |
| 1382 | +ve | Salmonella sp. |
| 1387 | +ve | pos groep B |
| 1423 | +ve | Salmonella spp. |
| 1436 | Unable to Test | |
| 1521 | +ve | |
| 1559 | +ve | S. Agona |
| 1626 | +ve | |
| 1638 | +ve | |
| 1641 | +ve | B/ Agona |
| 1647 | +ve | External seroty |
| 1654 | +ve | Group B |
| 1658 | +ve | - |
| 1669 | +ve | S. Agona |
| 1700 | +ve | S.Agona |
| 1733 | +ve | |
| 1770 | Nil Return | |
| 1884 | +ve | |
| 1894 | +ve | S. Agona |
| 1919 | +ve | S. Agona |
| 1944 | +ve | B Hg + |
| 1947 | +ve | S. Agona |
| 1980 | +ve | S.AgonaB |
| 2021 | +ve | |
| 2027 | +ve | S. Agona |
| 2053 | Nil Return | |
| 2096 | Nil Return | |
| 2098 | +ve | B Agona |
| 2111 | +ve | S. Agona |
| 2112 | +ve | B |
| 2131 | +ve | S. OMA+; O:4+ |
| 2143 | +ve | S. Agona |
| 2146 | +ve | |
| 2167 | +ve | S. Agona |
| 2204 | +ve | |
| 2212 | +ve | Salmonella spp. |
| 2229 | +ve | S. Agona |
| 2231 | +ve | B |
| 2240 | +ve | |
| 2267 | Nil Return | |
| 2274 | +ve | |
| 2356 | +ve | |
| 2369 | +ve | O:4,5 |

| Culture | 23/1148 | |
|----------------|---|--------------------------|
| | Interpretation (+ve/-ve/IC) | Salmonella Group/Type |
| Intended | Simulated boot swabs – Salmonella Agona (approx. 6,000 cfu per vial) | |
| | +ve | Group B |
| 2426 | +ve | |
| 2472 | +ve | Paratyphi BJava |
| 2508 | Nil Return | |
| 2532 | +ve | |
| 2552 | +ve | |
| 2578 | +ve | B |
| 2628 | +ve | O:4,5 |
| 2662 | +ve | B |
| 2670 | +ve | Group B |
| 2762 | +ve | |
| 2767 | Nil Return | |
| 3174 | +ve | |
| 3290 | +ve | Group B |
| 3361 | +ve | Group B |
| 3536 | +ve | |

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

Comments provided by Anne Bollard, APHA

In this February 2023 distribution 15292/BA there were three positive and two negative Salmonella samples.

Seventy-nine participants were registered and 71 returned results before results deadline closed.

Two labs (1235 and 1436) were Unable to Test.

Six labs (1770, 2053, 2096, 2267, 2508 and 2767) were Nil Returns; being the second consecutive time for Lab 2053 and third for Lab 2508.

Sample 23/1144 - Simulated 10 g carcass - Salmonella Enteritidis (approx. 1,700 cfu per vial) - Positive – Group D

All participants correctly detected Salmonella, and where reported, correctly identified to serogroup D, O9 +ve and/or serotype Enteritidis.

Sample 23/1145 - Simulated chick box liner - Citrobacter youngae + Pseudomonas aeruginosa – Negative

All participants reported correct results as being negative for Salmonella, although Lab 1190 incorrectly reported Salmonella spp. in the Salmonella Group/Type field contradictory to their -ve result in the Interpretation field.

Sample 23/1146 – Simulated 10 g faeces - Salmonella Typhimurium (approx. 35,000 cfu per vial) + Escherichia coli + Citrobacter youngae – Positive – Group B

All participants correctly detected Salmonella, and where reported, correctly identified to serogroup B, O4 +ve and/or serotype Typhimurium.

Sample 23/1147 – Simulated chick box liner - Escherichia coli + Pseudomonas aeruginosa – Negative

All participants reported correct results as being negative for Salmonella other than Lab 2532.

Lab 2532 reported identifying Typhimurium from the sample. This anomaly is likely to have been caused by cross contamination from previous sample 23/1146. Like with sample 23/1145, Lab 1190 incorrectly reported Salmonella spp. in the Salmonella Group/Type field contradictory to their -ve result in the Interpretation field.

Sample 23/1148 – Simulated boot swabs – Salmonella Agona (approx. 6,000 cfu per vial) - Positive – Group B

All participants correctly detected Salmonella and where reported, other than Lab 2472, correctly identified to serogroup B, O4 +ve and/or serotype Agona.

Lab 2472 reported incorrectly identifying serotype Paratyphi B (variant) Java (serogroup B) from the sample.

Participants in this distribution were from countries including South Africa, Italy, The Netherlands, Portugal, India, UK, Turkey, Canada, Albania, Belgium, Eire, Croatia, Germany, USA, Jordan, Malaysia, Cyprus, Singapore, Malta, UAE and Morocco.



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