



## Proficiency testing for veterinary laboratories

Distribution Date: 01/10/2019

### Results tabulation for 13933/BA PT0087: Salmonella in animal feed

Culture	19/2164	19/2165	19/2166	19/2167	19/2168
	Salmonella Group/Type	Salmonella Group/Type	Salmonella Group/Type	Salmonella Group/Type	Salmonella Group/Type
Intended	Salmonella Virchow (approx. 15,000 cfu per vial)	Citrobacter youngae + Escherichia coli	Salmonella Enteritidis (approx. 200,000 cfu per vial) + Escherichia coli	Salmonella Typhimurium (approx. 60,000 cfu per vial)	Salmonella enterica subsp. arizonae (>100,000 cfu per vial)
	Group C	Negative	Group D	Group B	IIIa Group K
1002	Virchow	Not Detected	Enteritidis	Typhimurium	Group K
1127	Group C1	Negative	Group D	Group B	Positive
1133	Group C	Not Salmonella	Group D	Group B	Not Salmonella
1143	Group C	Negative	Group D	Group B	Group ?
1278	Nil Return				
1349	Nil Return				
1812	Virchow	Negative	Enteritidis	Typhimurium	III18:z4,z32:-
1896	Positive	Negative	Positive	Positive	Positive
2167	S. Virchow	Negative	S. Enteritidis	S. Typhimurium	S. sp arizonae
2396	DETECTED/O6,7	Not Detected	DETECTED/O9	DETECTED/O4	DETECTED
2664	Detected	Not Detected	Detected	Detected	Detected
2897	Detected- C	Not Detected	Detected- D	Detected- B	Detected- C
3010	Nil Return				

Intended results were determined using Rappaport Broth.

Comments provided by Michael Elliott, APHA Newcastle

#### 19/2164 Salmonella Virchow

All labs who submitted results correctly identified the Salmonella species as expected.

#### 19/2165 Citrobacter youngae + Escherichia coli

All labs who submitted results correctly determined that there was no Salmonella present.

#### 19/2166 Salmonella Enteritidis + Escherichia coli

All labs who submitted results correctly identified the Salmonella species as expected.

#### 19/2167 Salmonella Typhimurium

All labs who submitted results correctly identified the Salmonella species as expected.

#### 19/2168 Salmonella enterica subsp. arizonae

All labs who submitted results correctly identified the Salmonella species as expected, with the exception of; Lab 1133 did not identify that there was a Salmonella species present. Lab 1143 isolated a Salmonella species but did not identify its serogroup and Lab 2897 isolated a Salmonella species but incorrectly serotyped it as Group C.

Labs 1278, 1349 and 3010 submitted Nil Returns.

**Comment from Vetqas:** Salmonella arizonae (sample 19/2168) was included with regards to expert advice recommending this subspecies should be issued from time to time in this PT scheme. The sample was intentionally heavily loaded (>100,000 cfu per vial) to help participants recover the arizonae and take from it any unusual testing and results characteristics that may possibly become useful at some point during routine testing.  
Thank you for your co-operation.



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