

## Chapter 2.4

### REPORTS OF *SALMONELLA* IN DEER, HORSES AND RABBITS

There was a single report of *Salmonella* in deer during 2006 (Table 34); this was as a result of clinical disease in a captive reindeer and the serovar involved was *S. Dublin*. Just under 34,900 deer were registered in Great Britain in 2006 at the June Agricultural Census, an increase of approximately 11% compared with 2005. Deer, together with rabbits are included in statutory reports of *Salmonella*, as they may be raised for human consumption.

There were 44 reports of *Salmonella* in horses in 2006 (Table 35), the same number as in 2005. There was a fall in the number of reports of *S. Typhimurium* during 2006 (22 reports) compared with 2005 (26 reports) and also a decrease in the proportion of reports of *S. Typhimurium* compared to 2005. The most commonly reported definitive types of *S. Typhimurium* in horses during 2006 was DT56 (23% of reported incidents); in addition, definitive types DT40, DT41 and DT104 each comprised 14% of reported incidents. DT56 is a common phage type of *S. Typhimurium* recovered from wild birds, as is DT40 and DT41. There were two reports of *S. Typhimurium* DT135 during 2006, the first time this definitive type has been reported in horses since 1998.

There were three incidents of *S. Newport* in horses, one more than was reported in 2005; all were fully sensitive to all antimicrobials tested. *Salmonella Bovismorbificans* was reported in horses for the first time since 1997 and *Salmonella Kua* was reported for the first time in horses since recording began in 1985.

The phage types of *S. Enteritidis* in horses appear in tabular form (Table 37) for the first time this year. There were two reports of *S. Enteritidis* in 2006, one fewer than in 2005 and in 2004; these were single incidents of PT1 and PT8.

There were no incidents of *Salmonella* reported in rabbits during 2006.

**Table 34: *Salmonella* in deer on all premises**

Salmonella Incidents (Isolations)	2002	2003	2004	2005	2006
ENTERICA ENTERICA					
Dublin	- ( -)	- ( -)	- ( -)	2 ( 2)	1 ( 1)
Reading	- ( -)	- ( -)	- ( -)	2 ( 2)	- ( -)
TOTAL	- ( -)	- ( -)	- ( -)	4 ( 4)	1 ( 1)

**Table 35: *Salmonella* in horses on all premises**

<i>Salmonella</i> Incidents (Isolations)	2002	2003	2004	2005	2006
<b>ENTERICA ENTERICA</b>					
Agama	2 ( 3)	5 ( 5)	8 ( 8)	5 ( 6)	7 ( 7)
Ajiobo	1 ( 1)	- ( -)	- ( -)	- ( -)	- ( -)
Anatum	1 ( 1)	1 ( 1)	1 ( 1)	- ( -)	3 ( 3)
Bovismorbificans	- ( -)	- ( -)	- ( -)	- ( -)	2 ( 3)
Brandenburg	- ( -)	1 ( 1)	- ( -)	- ( -)	- ( -)
Coeln	1 ( 1)	- ( -)	- ( -)	- ( -)	- ( -)
Derby	- ( -)	- ( -)	- ( -)	1 ( 1)	- ( -)
Dublin	- ( -)	1 ( 1)	- ( -)	1 ( 1)	- ( -)
Durham	1 ( 1)	- ( -)	- ( -)	- ( -)	- ( -)
Ealing	- ( -)	- ( -)	- ( -)	1 ( 1)	- ( -)
Enteritidis	4 ( 6)	2 ( 2)	3 ( 3)	3 ( 3)	2 ( 4)
Indiana	- ( -)	- ( -)	1 ( 1)	- ( -)	- ( -)
Kedougou	- ( -)	- ( -)	2 ( 2)	- ( -)	- ( -)
Kisarawe	- ( -)	- ( -)	1 ( 1)	- ( -)	- ( -)
Kua	- ( -)	- ( -)	- ( -)	- ( -)	1 ( 1)
Montevideo	- ( -)	- ( -)	- ( -)	1 ( 1)	2 ( 3)
Muenchen	- ( -)	- ( -)	1 ( 1)	- ( -)	- ( -)
Newport	3 ( 3)	- ( -)	4 ( 4)	2 ( 2)	3 ( 3)
Oslo	- ( -)	1 ( 1)	1 ( 1)	- ( -)	1 ( 1)
Rissen	- ( -)	- ( -)	- ( -)	1 ( 1)	- ( -)
Stourbridge	- ( -)	1 ( 1)	- ( -)	1 ( 1)	1 ( 1)
Thompson	- ( -)	- ( -)	1 ( 1)	- ( -)	- ( -)
Typhimurium	22 ( 22)	13 ( 15)	30 ( 31)	26 ( 28)	22 ( 22)
<b>UNSPECIFIED</b>					
structure only	- ( -)	1 ( 1)	- ( -)	1 ( 1)	- ( -)
rough	- ( -)	- ( -)	- ( -)	1 ( 1)	- ( -)
<b>TOTAL</b>	<b>35 ( 38)</b>	<b>26 ( 28)</b>	<b>53 ( 54)</b>	<b>44 ( 47)</b>	<b>44 ( 48)</b>

**Table 36: S. Typhimurium in horses on all premises**

Definitive Types Incidents (Isolations)	2002	2003	2004	2005	2006
1	1 ( 1)	- ( -)	- ( -)	- ( -)	- ( -)
12	1 ( 1)	- ( -)	1 ( 1)	- ( -)	- ( -)
40	1 ( 1)	1 ( 1)	5 ( 5)	1 ( 1)	3 ( 3)
41	1 ( 1)	1 ( 1)	1 ( 1)	2 ( 2)	3 ( 3)
49	- ( -)	1 ( 1)	1 ( 1)	- ( -)	- ( -)
56	1 ( 1)	2 ( 4)	5 ( 5)	11 ( 11)	5 ( 5)
104	6 ( 6)	2 ( 2)	7 ( 8)	7 ( 7)	3 ( 3)
104b	1 ( 1)	1 ( 1)	- ( -)	- ( -)	1 ( 1)
120	- ( -)	- ( -)	1 ( 1)	- ( -)	- ( -)
125	- ( -)	- ( -)	3 ( 3)	- ( -)	- ( -)
135	- ( -)	- ( -)	- ( -)	- ( -)	2 ( 2)
193	2 ( 2)	2 ( 2)	2 ( 2)	4 ( 4)	2 ( 2)
U288	- ( -)	1 ( 1)	- ( -)	- ( -)	2 ( 2)
U302	2 ( 2)	- ( -)	1 ( 1)	- ( -)	- ( -)
U310	- ( -)	1 ( 1)	2 ( 2)	- ( -)	- ( -)
RDNC	4 ( 4)	- ( -)	- ( -)	- ( 2)	- ( -)
UNTY	1 ( 1)	1 ( 1)	1 ( 1)	1 ( 1)	1 ( 1)
TOTAL	21 ( 23)	13 ( 15)	30 ( 31)	26 ( 28)	22 ( 22)

**Table 37: S. Enteritidis in horses on all premises**

Definitive Types Incidents (Isolations)	2002	2003	2004	2005	2006
1	- ( -)	- ( -)	- ( -)	1 ( 1)	1 ( 3)
1b	2 ( 2)	- ( -)	- ( -)	- ( -)	- ( -)
4	1 ( 3)	- ( -)	1 ( 1)	- ( -)	- ( -)
6	1 ( 1)	- ( -)	- ( -)	- ( -)	- ( -)
8	- ( -)	1 ( 1)	1 ( 1)	1 ( 1)	1 ( 1)
11	- ( -)	1 ( 1)	1 ( 1)	- ( -)	- ( -)
23	- ( -)	- ( -)	- ( -)	1 ( 1)	- ( -)
TOTAL	4 ( 6)	2 ( 2)	3 ( 3)	3 ( 3)	2 ( 4)

**Table 38: *Salmonella* in rabbits on all premises**

Salmonella Incidents (Isolations)	2002	2003	2004	2005	2006
ENTERICA ENTERICA					
Kedougou	- (-)	1 (1)	- (-)	- (-)	- (-)
TOTAL	- (-)	1 (1)	- (-)	- (-)	- (-)