

## Chapter 2.4

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

There have been no reports of *Salmonella* in deer since 1999, as a result of this, the *Salmonella* in deer table is no longer included in this publication. A total of 29,066 deer were registered Great Britain in 2004 at the June Agricultural Census, an increase of 3% compared with 2003. Deer, together with rabbits are included in statutory reports of *Salmonella*, as they may be raised for human consumption.

There were 50 reports of *Salmonella* in horses in 2004 (Table 37), compared with 27 in 2003. There was also an increase (11%) in the number of horses on agricultural holdings recorded in the 2004 June Agricultural Census compared with 2003 (321,415 and 288,830 respectively). Much of the increase in the number of incidents in horses was due to an increase in the number of reports of *Salmonella* Typhimurium although the proportion of reports of *S. Typhimurium* remained the same as in 2003 (52% of all incidents). The most commonly reported definitive types of *S. Typhimurium* in horses in 2004 were DT104 (31% of reported incidents) and DT56 (19% of reported incidents). There were four incidents of *S. Newport* in horses; all were fully sensitive to all antimicrobials tested. *Salmonella* Kisaware and *S. Muenchen* were reported for the first time in horses since recording began in 1985. In addition, several serovars were reported for the first time in recent years: *S. Derby* and *S. Thompson* were previously last reported in 2000, *S. Indiana* in 1999 and *S. Kedougou* in 1995.

There were no incidents of *Salmonella* reported in rabbits in 2004.

**Table 37: *Salmonella* in horses on all premises**

<i>Salmonella</i> Incidents (Isolations)	2000	2001*	2002	2003	2004
<b>ENTERICA ENTERICA</b>					
Agama	3 ( 13)	2 ( 2)	2 ( 3)	5 ( 5)	8 ( 8)
Agona	- ( -)	1 ( 1)	- ( -)	- ( -)	- ( -)
Ajiobo	1 ( 1)	- ( -)	1 ( 1)	- ( -)	- ( -)
Anatum	- ( -)	1 ( 1)	1 ( 1)	1 ( 1)	1 ( 1)
Brandenburg	- ( -)	- ( -)	- ( -)	1 ( 1)	- ( -)
Coeln	- ( -)	- ( -)	1 ( 1)	- ( -)	- ( -)
Derby	3 ( 4)	- ( -)	- ( -)	- ( -)	1 ( 1)
Dublin	1 ( 1)	- ( -)	- ( -)	1 ( 1)	- ( -)
Durham	- ( -)	- ( -)	1 ( 1)	- ( -)	- ( -)
Enteritidis	5 ( 5)	- ( -)	4 ( 6)	2 ( 2)	3 ( 3)
Give	- ( -)	1 ( 1)	- ( -)	- ( -)	- ( -)
Goldcoast	1 ( 1)	- ( -)	- ( -)	- ( -)	- ( -)
Heidelberg	1 ( 1)	1 ( 1)	- ( -)	- ( -)	- ( -)
Indiana	- ( -)	- ( -)	- ( -)	- ( -)	1 ( 1)
Javiana	- ( -)	1 ( 1)	- ( -)	- ( -)	- ( -)
Kedougou	- ( -)	- ( -)	- ( -)	- ( -)	2 ( 2)
Kisaware	- ( -)	- ( -)	- ( -)	- ( -)	1 ( 1)
Larochelle	- ( -)	1 ( 1)	- ( -)	- ( -)	- ( -)
Mbandaka	1 ( 1)	- ( -)	- ( -)	- ( -)	- ( -)
Montevideo	- ( -)	1 ( 2)	- ( -)	- ( -)	- ( -)
Muenchen	- ( -)	- ( -)	- ( -)	- ( -)	1 ( 1)
Newington	1 ( 1)	- ( -)	- ( -)	- ( -)	- ( -)
Newport	- ( -)	2 ( 2)	3 ( 3)	- ( -)	4 ( 4)
Oslo	- ( -)	- ( -)	- ( -)	1 ( 1)	1 ( 1)
Stourbridge	- ( -)	- ( -)	- ( -)	1 ( 1)	- ( -)
Tennessee	- ( -)	1 ( 1)	- ( -)	- ( -)	- ( -)
Thompson	3 ( 3)	- ( -)	- ( -)	- ( -)	1 ( 1)
Typhimurium	34 ( 35)	17 ( 24)	22 ( 22)	14 ( 15)	26 ( 30)
<b>ENTERICA DIARIZONAE</b>					
unspecified "arizona" <sup>+</sup>	- ( -)	- ( -)	- ( -)	1 ( 1)	- ( -)

**Table 37: *Salmonella* in horses on all premises**

<i>Salmonella</i> Incidents (Isolations)	2000	2001*	2002	2003	2004
UNSPECIFIED					
structure only	- ( -)	1 ( 1)	- ( -)	1 ( 1)	- ( -)
untyped	1 ( 1)	- ( -)	- ( -)	- ( -)	- ( -)
TOTAL	55 ( 67)	30 ( 38)	35 ( 38)	27 ( 28)	50 ( 54)

\* 2001 data may not be comparable due to impact of FMD epidemic

+ antigenic structure not stated

**Table 38: S. Typhimurium in horses on all premises**

Definitive Types Incidents (Isolations)	2000	2001*	2002	2003	2004
1	1 ( 1)	1 ( 1)	1 ( 1)	- ( -)	- ( -)
8	1 ( 1)	- ( -)	- ( -)	- ( -)	- ( -)
12	- ( -)	- ( -)	1 ( 1)	- ( -)	- ( -)
40	3 ( 3)	1 ( 1)	1 ( 1)	1 ( 1)	4 ( 4)
41	2 ( 2)	2 ( 3)	1 ( 1)	1 ( 1)	1 ( 1)
49	- ( -)	- ( -)	- ( -)	1 ( 1)	1 ( 1)
49b	3 ( 3)	- ( -)	- ( -)	- ( -)	- ( -)
56	6 ( 6)	1 ( 1)	1 ( 1)	4 ( 4)	5 ( 5)
104	8 ( 8)	4 ( 9)	6 ( 6)	2 ( 2)	8 ( 8)
104b	1 ( 1)	3 ( 4)	1 ( 1)	1 ( 1)	- ( -)
125	- ( -)	- ( -)	- ( -)	- ( -)	3 ( 3)
193	1 ( 1)	- ( -)	2 ( 2)	2 ( 2)	1 ( 1)
193a	1 ( 1)	- ( -)	- ( -)	- ( -)	- ( -)
195	1 ( 1)	- ( -)	- ( -)	- ( -)	- ( -)
U288	- ( -)	- ( -)	- ( -)	1 ( 1)	- ( -)
U302	1 ( 1)	1 ( 1)	2 ( 2)	- ( -)	1 ( 1)
U308	1 ( 1)	- ( -)	- ( -)	- ( -)	- ( -)
U308a	2 ( 3)	- ( -)	1 ( 1)	- ( -)	- ( -)
U310	- ( -)	1 ( 1)	- ( -)	1 ( 1)	1 ( 1)
RDNC	1 ( 1)	1 ( 1)	4 ( 4)	- ( -)	- ( 1)
NOPT	- ( -)	2 ( 2)	- ( -)	- ( -)	- ( -)
UNTY	- ( -)	- ( -)	- ( -)	1 ( 1)	- ( 1)
Untyped	1 ( 1)	- ( -)	1 ( 1)	- ( -)	- ( -)
<b>TOTAL</b>	<b>34 ( 35)</b>	<b>17 ( 24)</b>	<b>22 ( 22)</b>	<b>14 ( 15)</b>	<b>26 ( 30)</b>

\* 2001 data may not be comparable due to impact of FMD epidemic

**Table 39: *Salmonella* in rabbits on all premises**

Salmonella Incidents (Isolations)	2000	2001*	2002	2003	2004
ENTERICA ENTERICA					
Enteritidis	1 ( 1)	- ( -)	- ( -)	- ( -)	- ( -)
Kedougou	- ( -)	- ( -)	- ( -)	1 ( 1)	- ( -)
TOTAL	1 ( 1)	- ( -)	- ( -)	1 ( 1)	- ( -)

\* 2001 data may not be comparable due to impact of FMD epidemic