

## BSE Cases in Japan

Department of Food Safety, MHLW

	Date of Confirmation (Date of Slaughter or Dead)	Date of Birth (Cattle Age in Month)	Cattle Breed (Sex)	Birthplace (Producing place)	Institute of Screening test (Institute of Confirmatory test)	Result of Confirmatory test
1	Sep 10, 2001 (*1) (Aug 6, 2001)	Mar 26, 1996 (64 months)	Holstein (cow)	Hokkaido Prefecture (Chiba Prefecture)	Chiba Prefecture Gov. (National Institute of Animal Health)	Western-blotting +
						Immunohistochemistry +
						Histopathology +
2	Nov 21, 2001 (Nov 19, 2001)	Apr 4, 1996 (67 months)	Holstein (cow)	Hokkaido Prefecture (Hokkaido Prefecture)	Hokkaido Prefecture Gov. (Obihiro Univ. of Agriculture and Veterinary Medicine)	Western-blotting +
						Immunohistochemistry +
						Histopathology -
3	Dec 2, 2001 (Nov 29, 2001)	Mar 26, 1996 (68 months)	Holstein (cow)	Gunma Prefecture (Gunma Prefecture)	Saitama Prefecture Gov. (Yokohama Quarantine Station, Obihiro Univ. of Agriculture and Veterinary Medicine)	Western-blotting +
						Immunohistochemistry +
						Histopathology +
4	May 13, 2002 (May 10, 2002)	Mar 23, 1996 (73 months)	Holstein (cow)	Hokkaido Prefecture (Hokkaido Prefecture)	Hokkaido Prefecture Gov. (Obihiro Univ. of Agriculture and Veterinary Medicine)	Western-blotting +
						Immunohistochemistry +
						Histopathology +
5	Aug 2, 2002 (Aug 21, 2002)	Dec 5, 1997 (80 months)	Holstein (cow)	Kanagawa Prefecture (Kanagawa Prefecture)	Kanagawa Prefecture Gov. (National Institute of Infectious Diseases)	Western-blotting +
						Immunohistochemistry +
						Histopathology -
6	Jan 20, 2003 (Jan 17, 2003)	Feb 10, 1996 (83 months)	Holstein (cow)	Hokkaido Prefecture (Wakayama Prefecture)	Wakayama City Gov. (National Institute of Infectious Diseases)	Western-blotting +
						Immunohistochemistry +
						Histopathology +
7	Jan 23, 2003 (Jan 21, 2003)	Mar 28, 1996 (81 months)	Holstein (cow)	Hokkaido Prefecture (Hokkaido Prefecture)	Hokkaido Prefecture Gov. (Obihiro Univ. of Agriculture and Veterinary Medicine)	Western-blotting +
						Immunohistochemistry +
						Histopathology -
8	Oct 6, 2003 (Sep 29, 2003)	Oct 13, 2001 (23 months)	Holstein (bullock)	Tochigi Prefecture (Fukushima Prefecture)	Ibaraki Prefecture Gov. (National Institute of Infectious Diseases)	Western-blotting + (*2)
						Immunohistochemistry -
						Histopathology -
9	Nov 4, 2003 (Oct 29, 2003)	Jan 13, 2002 (21 months)	Holstein (bullock)	Hyogo Prefecture (Hiroshima Prefecture)	Hukuyama City Gov. (National Institute of Infectious Diseases)	Western-blotting +
						Immunohistochemistry -
						Histopathology -
10	Feb 22, 2004 (Feb 20, 2004)	Mar 17, 1996 (95 months)	Holstein (cow)	Kanagawa Prefecture (Kanagawa Prefecture)	Kanagawa Prefecture Gov. (National Institute of Infectious Diseases)	Western-blotting +
						Immunohistochemistry +
						Histopathology +
11	Mar 9, 2004 (*3) (Mar 4, 2004)	Apr 8, 1996 (94 months)	Holstein (cow)	Hokkaido Prefecture (Hokkaido Prefecture)	Hokkaido Prefecture Gov. (National Institute of Animal Health)	Western-blotting +
						Immunohistochemistry +
						Histopathology +
12	Sep 13, 2004 (Sep 10, 2004)	Jul 3, 1999 (62 months)	Holstein (cow)	Kumamoto Prefecture (Kumamoto Prefecture)	Kumamoto Prefecture Gov. (National Institute of Infectious Diseases)	Western-blotting +
						Immunohistochemistry +
						Histopathology +

13	Sep 23, 2004 (Sep 21, 2004)	Feb 18, 1996 (103 months)	Holstein (cow)	Hokkaido Prefecture (Nara Prefecture)	Nara Prefecture Gov. (National Institute of Infectious Diseases)	Western-blotting	+
						Immunohistochemistry	+
						Histopathology	+
14	Oct 14, 2004 (*3) (Oct 8, 2004)	Oct 8, 2000 (48 months)	Holstein (cow)	Hokkaido Prefecture (Hokkaido Prefecture)	Hokkaido Prefecture Gov. (National Institute of Animal Health)	Western-blotting	+
						Immunohistochemistry	+
						Histopathology	+
15	Feb 26, 2005 (*3) (Feb 22, 2005)	Aug 5, 1996 (102 months)	Holstein (cow)	Hokkaido Prefecture (Hokkaido Prefecture)	Hokkaido Prefecture Gov. (National Institute of Animal Health)	Western-blotting	+
						Immunohistochemistry	+
						Histopathology	+
16	Mar 27, 2005 (Mar 24, 2005)	Mar 23, 1996 (108 months)	Holstein (cow)	Hokkaido Prefecture (Hokkaido Prefecture)	Asahikawa City Gov. (National Institute of Infectious Diseases, Obihiro Univ. of Agriculture and Veterinary Medicine)	Western-blotting	+
						Immunohistochemistry	+
						Histopathology	+
17	Apr 8, 2005 (*3) (Apr 4, 2005)	Sep 11, 2000 (54 months)	Holstein (cow)	Hokkaido Prefecture (Hokkaido Prefecture)	Hokkaido Prefecture Gov. (National Institute of Animal Health)	Western-blotting	+
						Immunohistochemistry	+
						Histopathology	+
18	May 12, 2005 (May 10, 2005)	Aug 31, 1999 (68 months)	Holstein (cow)	Hokkaido Prefecture (Hokkaido Prefecture)	Hokkaido Prefecture Gov. (Hokkaido Univ., Obihiro Univ. of Agriculture and Veterinary Medicine)	Western-blotting	+
						Immunohistochemistry	+
						Histopathology	+
19	Jun 2, 2005 (May 31, 2005)	Apr 16, 1996 (109 months)	Holstein (cow)	Hokkaido Prefecture (Hokkaido Prefecture)	Hokkaido Prefecture Gov. (Hokkaido Univ., Obihiro Univ. of Agriculture and Veterinary Medicine)	Western-blotting	+
						Immunohistochemistry	+
						Histopathology	-
20	Jun 6, 2005 (Jun 3, 2005)	Aug 12, 2000 (57 months)	Holstein (cow)	Hokkaido Prefecture (Hokkaido Prefecture)	Ibaraki Prefecture Gov. (National Institute of Infectious Diseases)	Western-blotting	+
						Immunohistochemistry	+
						Histopathology	-
21	Dec 10, 2005 (*3) (Dec 6, 2005)	Feb 13, 2000 (69 months)	Holstein (cow)	Hokkaido Prefecture (Hokkaido Prefecture)	Hokkaido Prefecture Gov. (National Institute of Animal Health)	Western-blotting	+
						Immunohistochemistry	+
						Histopathology	-
22	Jan 23, 2006 (*3) (Jan 20, 1006)	Sep 1, 2000 (64 months)	Holstein (cow)	Hokkaido Prefecture (Hokkaido Prefecture)	Hokkaido Prefecture Gov. (National Institute of Animal Health)	Western-blotting	+
						Immunohistochemistry	+
						Histopathology	(*4)
23	Mar 15, 2006 (Mar 13, 2006)	Jul 8, 2000 (68 months)	Holstein (cow)	Hokkaido Prefecture (Hokkaido Prefecture)	Hokkaido Prefecture Gov. (Hokkaido Univ., Obihiro Univ. of Agriculture and Veterinary Medicine)	Western-blotting	+
						Immunohistochemistry	+
						Histopathology	+
24	Mar 17, 2006 (Mar 13, 2006)	Feb 10, 1992 (169 months)	Wagyu (cow)	Nagasaki Prefecture (Nagasaki Prefecture)	Sasebo City Gov. (National Institute of Infectious Diseases)	Western-blotting	+( *5)
						Immunohistochemistry	+
						Histopathology	+
25	Apr 19, 2006 (Apr 17, 2006)	Apr 18, 2000 (71 months)	Holstein (cow)	Hokkaido Prefecture (Okayama Prefecture)	Okayama Prefecture Gov. (National Institute of Infectious Diseases)	Western-blotting	+
						Immunohistochemistry	+
						Histopathology	-
26	May 13, 2006(*3) (May 11, 2006)	Aug 11, 2000 (68 months)	Holstein (cow)	Hokkaido Prefecture (Hokkaido Prefecture)	Hokkaido Prefecture Gov. (National Institute of Animal Health)	Western-blotting	+
						Immunohistochemistry	+
						Histopathology	(*4)

27	May 19, 2006(*3) (May 16, 2006)	Aug 20, 2000 (68 months)	Holstein (cow)	Hokkaido Prefecture (Hokkaido Prefecture)	Hokkaido Prefecture Gov. (National Institute of Animal Health)	Western-blotting	+
						Immunohistochemistry	+
						Histopathology	+
28	Aug 11, 2006(*3) (Aug 7, 2006)	Nov 21, 1999 (80 months)	Holstein (cow)	Hokkaido Prefecture (Hokkaido Prefecture)	Hokkaido Prefecture Gov. (National Institute of Animal Health)	Western-blotting	+
						Immunohistochemistry	+
						Histopathology	-
29	Sep 28, 2006(*3) (Sep 24, 2006)	Jun 24, 2000 (75 months)	Holstein (cow)	Hokkaido Prefecture (Hokkaido Prefecture)	Hokkaido Prefecture Gov. (National Institute of Animal Health)	Western-blotting	+
						Immunohistochemistry	+
						Histopathology	+
30	Nov 13, 2006(*3) (Nov 8, 2006)	Jun 28, 2001 (64 months)	Holstein (cow)	Hokkaido Prefecture (Hokkaido Prefecture)	Hokkaido Prefecture Gov. (National Institute of Animal Health)	Western-blotting	+
						Immunohistochemistry	+
						Histopathology	(*4)
31	Dec 8, 2006 (Dec 6, 2006)	Nov 12, 1999 (84 months)	Holstein (cow)	Hokkaido Prefecture (Hokkaido Prefecture)	Hokkaido Prefecture Gov. (Hokkaido Univ., Obihiro Univ. of Agriculture and Veterinary Medicine)	Western-blotting	+
						Immunohistochemistry	+
						Histopathology	-
32	Feb 5, 2007 (Feb 2, 2007)	Aug 26, 2001 (65 months)	Holstein (cow)	Hokkaido Prefecture (Hokkaido Prefecture)	Hokkaido Prefecture Gov. (Hokkaido Univ., Obihiro Univ. of Agriculture and Veterinary Medicine)	Western-blotting	+
						Immunohistochemistry	+
						Histopathology	+
33	Jul 2, 2007(*3) (Jun 24, 2007)	Jun 21, 2000 (84 months)	Wagyu (cow)	Hokkaido Prefecture (Hokkaido Prefecture)	Hokkaido Prefecture Gov. (National Institute of Animal Health)	Western-blotting	+
						Immunohistochemistry	+
						Histopathology	(*4)
34	Dec 21, 2007 (Dec 19, 2007)	Jul 4, 1992 (185 months)	Wagyu (cow)	Shimane Prefecture (Hokkaido Prefecture)	Hokkaido Prefecture Gov. (Hokkaido Univ., Obihiro Univ. of Agriculture and Veterinary Medicine)	Western-blotting	+
						Immunohistochemistry	+
						Histopathology	-
35	Mar 24, 2008(*3) (Mar 17, 2008)	Oct 12, 2000 (89 months)	Wagyu (cow)	Hokkaido Prefecture (Hokkaido Prefecture)	Hokkaido Prefecture Gov. (National Institute of Animal Health)	Western-blotting	+
						Immunohistochemistry	+
						Histopathology	(*4)
36	Jan 30, 2009(*3) (Jun 26, 2009)	Aug 5, 2000 (101 months)	Holstein (cow)	Hokkaido Prefecture (Hokkaido Prefecture)	Hokkaido Prefecture Gov. (National Institute of Animal Health)	Western-blotting	+
						Immunohistochemistry	+
						Histopathology	+

\*1: BSE detected first case in BSE surveillance of MAFF

\*2: The pattern of glycoform and proteinase K(PK) resistance of the PrP in this case was different from that of confirmed BSE

\*3: Dead cow at dairy farm

\*4: Vacuolar degeneration was observed, but it was difficult to evidently distinguish the degeneration from postmortem change

\*5: The pattern of glycoform of the PrP in this case was different from that of confirmed BSE