1,2-ジクロロプロパンのマウスを用いた
吸入によるがん原性試験報告書

試験番号：0458

TABLES

TABLES

TABLES (CONTINUED)

TABLE 1 CONCENTRATIONS OF 1,2-DICHLOROPROPANE IN THE INHALATION CHAMBER OF THE 2-YEAR INHALATION STUDY

Group Name	Concentration(ppm) Mean ± S.D.
Control	0.0 ± 0.0
32 ppm	32.1 ± 0.2
80 ppm	80.2 ± 0.4
200 ppm	200.5 ± 1.2

TABLE 2 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES OF MALE MICE IN THE 2-YEAR INHALATION STUDY OF 1,2-DICHLOROPROPANE

Week on Study	Control		32 ppm			80 ppm			200 ppm		
	Av. Wt.	No. of Surviv. <50>	Av. Wt.	% of cont.	No. of Surviv. <50>	Av. Wt.	% of cont.	No. of Surviv. <50>	Av. Wt.	% of cont.	No. of Surviv. <50>
0	23.3 (50)	50 / 50	23.3 (50)	100	50 / 50	23.3 (50)	100	50 / 50	23.3 (50)	100	50 / 50
1	24.5 (50)	50 / 50	24.2 (50)	99	50 / 50	24.5 (50)	100	50 / 50	24.4 (50)	100	50 / 50
2	25.4 (50)	50 / 50	25.1 (50)	99	50 / 50	25.4 (50)	100	50 / 50	25.0 (50)	98	50 / 50
3	26.1 (50)	50 / 50	25.6 (50)	98	50 / 50	26.1 (50)	100	50 / 50	25.4 (50)	97	50 / 50
4	26.6 (50)	50 / 50	26.3 (50)	99	50 / 50	26.8 (50)	101	50 / 50	26.2 (50)	98	50 / 50
5	27.0 (50)	50 / 50	26.7 (50)	99	50 / 50	27.4 (50)	101	50 / 50	26.6 (50)	99	50 / 50
6	27.9 (50)	50 / 50	26.8 (50)	96	50 / 50	28.0 (50)	100	50 / 50	27.2 (50)	97	50 / 50
7	28.2 (50)	50 / 50	27.0 (50)	96	50 / 50	28.5 (50)	101	50 / 50	27.6 (50)	98	50 / 50
8	29.0 (50)	50 / 50	28.0 (50)	97	50 / 50	29.4 (50)	101	50 / 50	28.1 (50)	97	50 / 50
9	29.4 (50)	50 / 50	28.7 (50)	98	50 / 50	29.9 (50)	102	50 / 50	28.3 (50)	96	50 / 50
10	30.0 (50)	50 / 50	29.6 (50)	99	50 / 50	30.4 (50)	101	50 / 50	29.3 (50)	98	50 / 50
11	30.3 (50)	50 / 50	30.0 (50)	99	50 / 50	30.9 (50)	102	50 / 50	29.4 (50)	97	50 / 50
12	31.2 (50)	50 / 50	30.8 (50)	99	50 / 50	32.0 (50)	103	50 / 50	30.0 (50)	96	50 / 50
13	31.7 (50)	50 / 50	31.7 (50)	100	50 / 50	32.6 (50)	103	50 / 50	30.9 (50)	97	50 / 50
14	32.3 (50)	50 / 50	32.3 (50)	100	50 / 50	33.4 (50)	103	50 / 50	31.2 (50)	97	50 / 50
18	34.5 (50)	50 / 50	35.2 (50)	102	50 / 50	35.9 (50)	104	50 / 50	33.7 (50)	98	50 / 50
22	36.6 (50)	50 / 50	37.2 (50)	102	50 / 50	38.2 (50)	104	50 / 50	35.3 (50)	96	50 / 50
26	38.5 (50)	50 / 50	39.7 (50)	103	50 / 50	40.2 (50)	104	50 / 50	37.3 (50)	97	50 / 50
30	40.2 (50)	50 / 50	41.5 (50)	103	50 / 50	42.0 (50)	104	50 / 50	38.9 (50)	97	50 / 50
34	42.0 (50)	50 / 50	43.2 (50)	103	50 / 50	43.7 (49)	104	49 / 50	40.6 (50)	97	50 / 50
38	43.3 (50)	50 / 50	44.8 (50)	103	50 / 50	44.9 (49)	104	49 / 50	41.6 (50)	96	50 / 50
42	44.4 (50)	50 / 50	45.8 (50)	103	50 / 50	46.2 (49)	104	49 / 50	42.9 (50)	97	50 / 50
46	45.8 (49)	49 / 50	47.2 (49)	103	49 / 50	47.7 (49)	104	49 / 50	44.3 (50)	97	50 / 50
50	46.7 (49)	49 / 50	47.8 (48)	102	48 / 50	48.4 (49)	104	49 / 50	45.3 (50)	97	50 / 50
54	47.1 (48)	48 / 50	48.4 (48)	103	48 / 50	48.8 (49)	104	49 / 50	46.0 (50)	98	50 / 50
58	47.6 (48)	48 / 50	48.7 (48)	102	48 / 50	48.8 (48)	103	48 / 50	46.0 (50)	97	50 / 50
62	47.9 (48)	48 / 50	50.2 (47)	105	47 / 50	49.4 (48)	103	48 / 50	46.6 (50)	97	50 / 50
66	48.5 (48)	48 / 50	50.8 (47)	105	47 / 50	50.6 (47)	104	47 / 50	46.9 (50)	97	50 / 50
70	49.3 (47)	47 / 50	51.3 (47)	104	47 / 50	50.7 (47)	103	47 / 50	47.4 (50)	96	50 / 50
74	50.1 (46)	46 / 50	52.1 (45)	104	45 / 50	51.0 (46)	102	46 / 50	47.9 (50)	96	50 / 50
78	50.1 (46)	46 / 50	52.7 (44)	105	44 / 50	50.8 (46)	101	46 / 50	47.9 (50)	96	50 / 50
82	50.2 (44)	44 / 50	53.4 (43)	106	43 / 50	51.4 (45)	102	45 / 50	48.5 (47)	97	47 / 50
86	49.5 (43)	43 / 50	53.7 (43)	108	43 / 50	53.2 (41)	107	41 / 50	48.9 (47)	99	47 / 50
90	50.1 (40)	40 / 50	54.4 (39)	109	39 / 50	53.1 (41)	106	41 / 50	48.8 (47)	97	47 / 50
94	49.6 (40)	40 / 50	53.5 (37)	108	37 / 50	52.7 (39)	106	39 / 50	49.4 (45)	100	45 / 50
98	48.6 (35)	35 / 50	53.3 (35)	110	35 / 50	52.6 (35)	108	35 / 50	48.9 (45)	101	45 / 50
102	47.2 (34)	34 / 50	52.1 (33)	110	33 / 50	51.0 (34)	108	34 / 50	48.3 (41)	102	41 / 50
104	46.8 (32)	32 / 50	51.4 (33)	110	33 / 50	49.9 (33)	107	33 / 50	47.8 (41)	102	41 / 50

< > : No. of effective animals, ( ) : No. of measured animals, Av. Wt. : Averaged body weight (Unit : g).

TABLE 3 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES OF FEMALE MICE IN THE 2-YEAR INHALATION STUDY OF 1,2-DICHLOROPROPANE

Week on Study	Control		32 ppm			80 ppm			200 ppm		
	Av. Wt.	No. of Surviv. <50>	Av. Wt.	% of cont.	No. of Surviv. <50>	Av. Wt.	% of cont.	No. of Surviv. <50>	Av. Wt.	% of cont.	No. of Surviv. <50>
0	19.2 (50)	50 / 50	19.2 (50)	100	50 / 50	19.2 (50)	100	50 / 50	19.2 (50)	100	50 / 50
1	19.6 (50)	50 / 50	19.6 (50)	100	50 / 50	19.5 (50)	99	50 / 50	19.9 (50)	102	50 / 50
2	20.5 (50)	50 / 50	20.4 (50)	100	50 / 50	20.4 (50)	100	50 / 50	20.7 (50)	101	50 / 50
3	20.6 (50)	50 / 50	21.1 (50)	102	50 / 50	21.0 (50)	102	50 / 50	21.3 (50)	103	50 / 50
4	21.7 (50)	50 / 50	21.6 (50)	100	50 / 50	21.6 (50)	100	50 / 50	21.9 (50)	101	50 / 50
5	21.8 (50)	50 / 50	22.0 (50)	101	50 / 50	22.1 (50)	101	50 / 50	22.6 (50)	104	50 / 50
6	22.7 (50)	50 / 50	22.6 (50)	100	50 / 50	22.8 (50)	100	50 / 50	23.1 (50)	102	50 / 50
7	23.1 (50)	50 / 50	22.9 (50)	99	50 / 50	23.2 (50)	100	50 / 50	23.5 (50)	102	50 / 50
8	23.4 (50)	50 / 50	23.4 (50)	100	50 / 50	23.6 (50)	101	50 / 50	24.0 (50)	103	50 / 50
9	23.8 (50)	50 / 50	24.0 (50)	101	50 / 50	23.7 (50)	100	50 / 50	24.0 (50)	101	50 / 50
10	24.3 (50)	50 / 50	24.3 (50)	100	50 / 50	24.0 (50)	99	50 / 50	24.3 (50)	100	50 / 50
11	24.3 (50)	50 / 50	24.3 (50)	100	50 / 50	24.6 (50)	101	50 / 50	24.5 (50)	101	50 / 50
12	24.8 (50)	50 / 50	24.8 (50)	100	50 / 50	25.0 (50)	101	50 / 50	24.9 (50)	100	50 / 50
13	25.0 (50)	50 / 50	25.1 (50)	100	50 / 50	25.1 (50)	100	50 / 50	25.3 (50)	101	50 / 50
14	25.2 (50)	50 / 50	25.2 (50)	100	50 / 50	25.1 (50)	100	50 / 50	25.3 (50)	100	50 / 50
18	26.3 (50)	50 / 50	26.2 (50)	100	50 / 50	26.7 (50)	102	50 / 50	26.5 (50)	101	50 / 50
22	27.0 (50)	50 / 50	26.9 (50)	100	50 / 50	27.4 (50)	101	50 / 50	27.1 (50)	100	50 / 50
26	28.0 (50)	50 / 50	28.0 (50)	100	50 / 50	28.1 (50)	100	50 / 50	27.7 (50)	99	50 / 50
30	28.5 (50)	50 / 50	28.4 (50)	100	50 / 50	29.0 (50)	102	50 / 50	28.6 (50)	100	50 / 50
34	29.4 (50)	50 / 50	29.3 (50)	100	50 / 50	29.7 (50)	101	50 / 50	29.2 (50)	99	50 / 50
38	30.2 (50)	50 / 50	30.0 (50)	99	50 / 50	30.4 (50)	101	50 / 50	29.3 (49)	97	49 / 50
42	30.6 (50)	50 / 50	30.6 (50)	100	50 / 50	30.8 (50)	101	50 / 50	29.6 (49)	97	49 / 50
46	31.2 (50)	50 / 50	31.3 (49)	100	49 / 50	32.1 (50)	103	50 / 50	30.3 (49)	97	49 / 50
50	31.4 (50)	50 / 50	31.1 (48)	99	48 / 50	32.6 (50)	104	50 / 50	30.3 (49)	96	49 / 50
54	32.1 (50)	50 / 50	31.6 (48)	98	48 / 50	32.9 (50)	102	50 / 50	30.8 (49)	96	49 / 50
58	32.0 (50)	50 / 50	32.1 (48)	100	48 / 50	33.0 (50)	103	50 / 50	30.6 (47)	96	47 / 50
62	32.0 (49)	49 / 50	31.8 (47)	99	47 / 50	33.7 (48)	105	48 / 50	31.3 (46)	98	46 / 50
66	32.6 (49)	49 / 50	32.9 (46)	101	46 / 50	34.6 (47)	106	47 / 50	31.7 (44)	97	44 / 50
70	32.5 (48)	48 / 50	32.9 (45)	101	45 / 50	34.8 (45)	107	45 / 50	31.8 (44)	98	44 / 50
74	33.0 (48)	48 / 50	33.7 (43)	102	43 / 50	35.0 (43)	106	43 / 50	32.3 (44)	98	44 / 50
78	32.9 (46)	46 / 50	33.3 (42)	101	42 / 50	35.0 (41)	106	41 / 50	32.5 (43)	99	43 / 50
82	33.9 (46)	46 / 50	34.2 (42)	101	42 / 50	35.8 (41)	106	41 / 50	32.9 (42)	97	42 / 50
86	34.1 (46)	46 / 50	34.4 (40)	101	40 / 50	36.2 (38)	106	38 / 50	33.2 (40)	97	40 / 50
90	33.6 (44)	44 / 50	34.4 (39)	102	39 / 50	35.9 (36)	107	36 / 50	33.7 (38)	100	38 / 50
94	34.4 (41)	41 / 50	34.2 (36)	99	36 / 50	36.2 (33)	105	33 / 50	33.5 (34)	97	34 / 50
98	33.9 (36)	36 / 50	35.5 (33)	105	33 / 50	36.6 (31)	108	31 / 50	33.2 (31)	98	31 / 50
102	34.1 (32)	32 / 50	34.7 (29)	102	29 / 50	35.9 (28)	105	28 / 50	33.3 (30)	98	30 / 50
104	33.3 (29)	29 / 50	34.5 (28)	104	28 / 50	35.4 (26)	106	26 / 50	33.5 (30)	101	30 / 50

< > : No. of effective animals, ( ) : No. of measured animals, Av. Wt. : Averaged body weight (Unit : g).

TABLE 4 FOOD CONSUMPTION CHANGES OF MALE MICE IN THE 2-YEAR INHALATION STUDY OF 1,2-DICHLOROPROPANE

Week on Study	Control		32 ppm			80 ppm			200 ppm		
	Av. FC.	No. of Surviv. <50>	Av. FC.	% of cont.	No. of Surviv. <50>	Av. FC.	% of cont.	No. of Surviv. <50>	Av. FC.	% of cont.	No. of Surviv. <50>
1	3.9 (50)	50 / 50	3.8 (50)	97	50 / 50	3.9 (50)	100	50 / 50	3.7 (50)	95	50 / 50
2	3.9 (50)	50 / 50	3.9 (50)	100	50 / 50	3.9 (50)	100	50 / 50	3.8 (50)	97	50 / 50
3	3.9 (50)	50 / 50	3.8 (50)	97	50 / 50	3.9 (50)	100	50 / 50	3.8 (50)	97	50 / 50
4	4.0 (50)	50 / 50	3.9 (50)	98	50 / 50	4.0 (50)	100	50 / 50	4.0 (50)	100	50 / 50
5	4.0 (50)	50 / 50	4.0 (50)	100	50 / 50	4.1 (50)	103	50 / 50	4.1 (50)	103	50 / 50
6	4.3 (50)	50 / 50	4.1 (50)	95	50 / 50	4.2 (50)	98	50 / 50	4.3 (50)	100	50 / 50
7	4.1 (50)	50 / 50	4.2 (50)	102	50 / 50	4.2 (50)	102	50 / 50	4.3 (50)	105	50 / 50
8	4.2 (50)	50 / 50	4.3 (50)	102	50 / 50	4.2 (50)	100	50 / 50	4.3 (50)	102	50 / 50
9	4.2 (50)	50 / 50	4.3 (50)	102	50 / 50	4.3 (50)	102	50 / 50	4.3 (50)	102	50 / 50
10	4.3 (50)	50 / 50	4.5 (50)	105	50 / 50	4.3 (50)	100	50 / 50	4.5 (50)	105	50 / 50
11	4.4 (50)	50 / 50	4.4 (50)	100	50 / 50	4.4 (50)	100	50 / 50	4.3 (50)	98	50 / 50
12	4.4 (50)	50 / 50	4.5 (50)	102	50 / 50	4.4 (50)	100	50 / 50	4.4 (50)	100	50 / 50
13	4.5 (50)	50 / 50	4.5 (50)	100	50 / 50	4.4 (50)	98	50 / 50	4.5 (50)	100	50 / 50
14	4.5 (50)	50 / 50	4.4 (50)	98	50 / 50	4.4 (50)	98	50 / 50	4.5 (50)	100	50 / 50
18	4.6 (50)	50 / 50	4.6 (50)	100	50 / 50	4.5 (50)	98	50 / 50	4.6 (50)	100	50 / 50
22	4.5 (50)	50 / 50	4.5 (50)	100	50 / 50	4.5 (50)	100	50 / 50	4.5 (50)	100	50 / 50
26	4.6 (50)	50 / 50	4.7 (50)	102	50 / 50	4.6 (50)	100	50 / 50	4.7 (50)	102	50 / 50
30	4.6 (50)	50 / 50	4.7 (50)	102	50 / 50	4.6 (50)	100	50 / 50	4.6 (50)	100	50 / 50
34	4.7 (50)	50 / 50	4.7 (50)	100	50 / 50	4.7 (49)	100	49 / 50	4.7 (50)	100	50 / 50
38	4.8 (50)	50 / 50	4.8 (50)	100	50 / 50	4.9 (48)	102	49 / 50	4.7 (49)	98	50 / 50
42	4.9 (50)	50 / 50	4.9 (50)	100	50 / 50	4.9 (49)	100	49 / 50	4.9 (50)	100	50 / 50
46	4.9 (49)	49 / 50	4.9 (49)	100	49 / 50	4.9 (49)	100	49 / 50	4.9 (50)	100	50 / 50
50	5.1 (49)	49 / 50	5.1 (46)	100	48 / 50	5.0 (49)	98	49 / 50	5.0 (50)	98	50 / 50
54	4.9 (48)	48 / 50	4.9 (48)	100	48 / 50	4.9 (49)	100	49 / 50	4.9 (50)	100	50 / 50
58	4.8 (48)	48 / 50	4.8 (48)	100	48 / 50	4.8 (48)	100	48 / 50	4.8 (50)	100	50 / 50
62	5.1 (48)	48 / 50	5.2 (47)	102	47 / 50	5.2 (48)	102	48 / 50	5.1 (50)	100	50 / 50
66	5.1 (48)	48 / 50	5.2 (47)	102	47 / 50	5.1 (47)	100	47 / 50	5.0 (50)	98	50 / 50
70	5.2 (47)	47 / 50	5.1 (47)	98	47 / 50	5.0 (47)	96	47 / 50	5.1 (50)	98	50 / 50
74	5.2 (46)	46 / 50	5.3 (45)	102	45 / 50	5.1 (46)	98	46 / 50	5.1 (50)	98	50 / 50
78	5.1 (46)	46 / 50	5.3 (44)	104	44 / 50	5.1 (46)	100	46 / 50	5.0 (50)	98	50 / 50
82	5.1 (44)	44 / 50	5.4 (43)	106	43 / 50	5.3 (45)	104	45 / 50	5.2 (47)	102	47 / 50
86	5.2 (43)	43 / 50	5.4 (43)	104	43 / 50	5.4 (41)	104	41 / 50	5.3 (47)	102	47 / 50
90	5.2 (40)	40 / 50	5.3 (39)	102	39 / 50	5.4 (41)	104	41 / 50	5.2 (47)	100	47 / 50
94	5.1 (40)	40 / 50	5.1 (37)	100	37 / 50	5.2 (39)	102	39 / 50	5.1 (45)	100	45 / 50
98	5.0 (35)	35 / 50	5.4 (35)	108	35 / 50	5.1 (35)	102	35 / 50	5.2 (45)	104	45 / 50
102	5.0 (34)	34 / 50	5.3 (33)	106	33 / 50	5.1 (34)	102	34 / 50	5.2 (41)	104	41 / 50
104	5.1 (32)	32 / 50	5.2 (33)	102	33 / 50	4.9 (33)	96	33 / 50	5.1 (41)	100	41 / 50

< > : No. of effective animals, ( ) : No. of measured animals, Av. FC. : Averaged food consumption (Unit : g).

TABLE 5 FOOD CONSUMPTION CHANGES OF FEMALE MICE IN THE 2-YEAR INHALATION STUDY OF 1,2-DICHLOROPROPANE

Week on Study	Control		32 ppm			80 ppm			200 ppm		
	Av. FC.	No. of Surviv. <50>	Av. FC.	% of cont.	No. of Surviv. <50>	Av. FC.	% of cont.	No. of Surviv. <50>	Av. FC.	% of cont.	No. of Surviv. <50>
1	3.3 (50)	50 / 50	3.3 (50)	100	50 / 50	3.1 (50)	94	50 / 50	3.0 (50)	91	50 / 50
2	3.3 (50)	50 / 50	3.4 (50)	103	50 / 50	3.4 (50)	103	50 / 50	3.4 (50)	103	50 / 50
3	3.4 (50)	50 / 50	3.5 (50)	103	50 / 50	3.5 (50)	103	50 / 50	3.5 (50)	103	50 / 50
4	3.6 (50)	50 / 50	3.7 (50)	103	50 / 50	3.7 (50)	103	50 / 50	3.7 (50)	103	50 / 50
5	3.7 (50)	50 / 50	3.8 (50)	103	50 / 50	3.8 (50)	103	50 / 50	3.9 (50)	105	50 / 50
6	4.0 (50)	50 / 50	4.0 (50)	100	50 / 50	4.1 (50)	103	50 / 50	4.1 (50)	103	50 / 50
7	4.1 (50)	50 / 50	4.1 (50)	100	50 / 50	4.1 (50)	100	50 / 50	4.2 (50)	102	50 / 50
8	4.0 (50)	50 / 50	4.1 (50)	103	50 / 50	4.1 (50)	103	50 / 50	4.2 (50)	105	50 / 50
9	4.1 (50)	50 / 50	4.2 (50)	102	50 / 50	4.2 (50)	102	50 / 50	4.2 (50)	102	50 / 50
10	4.2 (50)	50 / 50	4.2 (50)	100	50 / 50	4.3 (50)	102	50 / 50	4.3 (50)	102	50 / 50
11	4.2 (50)	50 / 50	4.2 (50)	100	50 / 50	4.3 (45)	102	50 / 50	4.2 (50)	100	50 / 50
12	4.2 (50)	50 / 50	4.2 (50)	100	50 / 50	4.2 (50)	100	50 / 50	4.2 (50)	100	50 / 50
13	4.2 (50)	50 / 50	4.2 (50)	100	50 / 50	4.3 (50)	102	50 / 50	4.5 (50)	107	50 / 50
14	4.2 (50)	50 / 50	4.1 (50)	98	50 / 50	4.2 (50)	100	50 / 50	4.4 (50)	105	50 / 50
18	4.3 (50)	50 / 50	4.2 (50)	98	50 / 50	4.3 (50)	100	50 / 50	4.4 (50)	102	50 / 50
22	4.2 (50)	50 / 50	4.1 (50)	98	50 / 50	4.2 (50)	100	50 / 50	4.2 (48)	100	50 / 50
26	4.4 (50)	50 / 50	4.3 (50)	98	50 / 50	4.3 (50)	98	50 / 50	4.4 (50)	100	50 / 50
30	4.5 (50)	50 / 50	4.3 (50)	96	50 / 50	4.4 (50)	98	50 / 50	4.4 (50)	98	50 / 50
34	4.5 (50)	50 / 50	4.4 (50)	98	50 / 50	4.4 (50)	98	50 / 50	4.5 (50)	100	50 / 50
38	4.6 (50)	50 / 50	4.4 (50)	96	50 / 50	4.5 (50)	98	50 / 50	4.4 (49)	96	49 / 50
42	4.6 (50)	50 / 50	4.5 (50)	98	50 / 50	4.5 (50)	98	50 / 50	4.5 (49)	98	49 / 50
46	4.6 (50)	50 / 50	4.6 (49)	100	49 / 50	4.6 (50)	100	50 / 50	4.6 (49)	100	49 / 50
50	4.7 (50)	50 / 50	4.7 (48)	100	48 / 50	4.7 (50)	100	50 / 50	4.6 (49)	98	49 / 50
54	4.6 (50)	50 / 50	4.5 (48)	98	48 / 50	4.5 (50)	98	50 / 50	4.4 (49)	96	49 / 50
58	4.4 (50)	50 / 50	4.4 (48)	100	48 / 50	4.4 (50)	100	50 / 50	4.3 (47)	98	47 / 50
62	4.6 (49)	49 / 50	4.4 (47)	96	47 / 50	4.7 (48)	102	48 / 50	4.6 (46)	100	46 / 50
66	4.7 (48)	49 / 50	4.6 (46)	98	46 / 50	4.5 (47)	96	47 / 50	4.5 (44)	96	44 / 50
70	4.5 (48)	48 / 50	4.5 (45)	100	45 / 50	4.6 (45)	102	45 / 50	4.6 (44)	102	44 / 50
74	4.6 (48)	48 / 50	4.5 (43)	98	43 / 50	4.6 (43)	100	43 / 50	4.5 (44)	98	44 / 50
78	4.5 (46)	46 / 50	4.4 (42)	98	42 / 50	4.7 (41)	104	41 / 50	4.6 (43)	102	43 / 50
82	4.7 (46)	46 / 50	4.7 (42)	100	42 / 50	4.7 (41)	100	41 / 50	4.7 (42)	100	42 / 50
86	4.8 (46)	46 / 50	4.7 (40)	98	40 / 50	5.0 (38)	104	38 / 50	4.7 (40)	98	40 / 50
90	4.6 (44)	44 / 50	4.6 (39)	100	39 / 50	4.9 (36)	107	36 / 50	4.9 (38)	107	38 / 50
94	4.8 (41)	41 / 50	4.5 (36)	94	36 / 50	4.8 (33)	100	33 / 50	4.7 (34)	98	34 / 50
98	4.7 (36)	36 / 50	4.7 (33)	100	33 / 50	4.8 (31)	102	31 / 50	4.7 (31)	100	31 / 50
102	4.9 (32)	32 / 50	4.8 (29)	98	29 / 50	4.9 (28)	100	28 / 50	4.8 (30)	98	30 / 50
104	4.7 (29)	29 / 50	4.7 (28)	100	28 / 50	4.7 (26)	100	26 / 50	4.6 (30)	98	30 / 50

< > : No. of effective animals, ( ) : No. of measured animals, Av. FC. : Averaged food consumption (Unit : g).

TABLE 6 HEMATOLOGY OF MALE MICE IN THE 2-YEAR INHALATION STUDY OF 1,2-DICHLOROPROPANE

Group Name	Control	32 ppm	80 ppm	200 ppm
No. of examined animals	32	33	32	40
MCHC (g/dL)	32.4 ± 1.5	32.3 ± 0.9	31.9 ± 1.3 *	31.9 ± 0.9 **

Mean ± S.D.
Significant difference: * : p≦0.05 ** : p≦0.01 Test of Dunnett

TABLE 7 HEMATOLOGY OF FEMALE MICE IN THE 2-YEAR INHALATION STUDY OF 1,2-DICHLOROPROPANE

Group Name	Control	32 ppm	80 ppm	200 ppm
No. of examined animals	29	26	25	28
MCV (fL)	44.3 ± 2.2	44.6 ± 1.7	45.2 ± 2.7	46.7 ± 4.9 **
MCHC (g/dL)	33.0 ± 0.9	33.0 ± 1.0	32.5 ± 1.1	32.0 ± 2.1 *

Mean ± S.D.
Significant difference: * : p≦0.05 ** : p≦0.01 Test of Dunnett

TABLE 8 BIOCHEMISTRY OF MALE MICE IN THE 2-YEAR INHALATION STUDY OF 1,2-DICHLOROPROPANE

Group Name	Control	32 ppm	80 ppm	200 ppm
No. of examined animals	32	33	32	40
UREA NITROGEN (mg/dL)	25.9 ± 12.0	22.3 ± 15.7 **	21.1 ± 5.5 **	21.3 ± 5.2 **
POTASSIUM (mEq/L)	4.2 ± 0.4	4.1 ± 0.3	4.4 ± 0.7 *	4.1 ± 0.3

Mean ± S.D.
Significant difference: * : p≦0.05 ** : p≦0.01 Test of Dunnett

TABLE 9 BIOCHEMISTRY OF FEMALE MICE IN THE 2-YEAR INHALATION STUDY OF 1,2-DICHLOROPROPANE

Group Name	Control	32 ppm	80 ppm	200 ppm
No. of examined animals	29	27	25	28
A/G RATIO	1.1 ± 0.1	1.3 ± 0.3	1.2 ± 0.3	1.4 ± 0.3 **

Mean ± S.D.
Significant difference: * : p≦0.05 ** : p≦0.01 Test of Dunnett

TABLE 10 URINALYSIS OF MALE MICE IN THE 2-YEAR INHALATION STUDY OF 1,2-DICHLOROPROPANE

Group Name		Control	32 ppm	80 ppm	200 ppm
No. of examined animals		32	33	33	41
	Grade				
Protein	−	0	0	0	0
	±	11	22	14	16
	+	18	8	16	23
	2+	2	3	3	2
	3+	1	0	0	0
	4+	0	0	0	0
	Chi square test		*		

Significant difference: * : p≦0.05 ** : p≦0.01

TABLE 11 ORGAN WEIGHTS OF MALE MICE IN THE 2-YEAR INHALATION STUDY OF 1,2-DICHLOROPROPANE

Group Name	Control	32 ppm		80 ppm		200 ppm	
No. of examined animals	32	33		33		41	
Body weight (g)	41.9 ± 7.5	46.8 ± 7.4		45.5 ± 8.0		44.0 ± 8.1	
Testes (g)	0.230 ± 0.027	0.230 ± 0.041		0.215 ± 0.038		0.224 ± 0.038	
Testes (%)	0.562 ± 0.101	0.496 ± 0.080	*	0.487 ± 0.127	*	0.519 ± 0.096	
Kidneys (g)	0.634 ± 0.048	0.705 ± 0.048	**	0.764 ± 0.212	**	0.989 ± 1.690	**
Kidneys (%)	1.551 ± 0.269	1.540 ± 0.251		1.732 ± 0.560		2.290 ± 3.833	*
Spleen (g)	0.192 ± 0.556	0.163 ± 0.350		0.117 ± 0.105		0.145 ± 0.107	*
Spleen (%)	0.496 ± 1.456	0.424 ± 1.085		0.276 ± 0.292		0.343 ± 0.262	
Brain (g)	0.453 ± 0.020	0.445 ± 0.017		0.451 ± 0.014		0.456 ± 0.013	
Brain (%)	1.115 ± 0.211	0.976 ± 0.169	*	1.028 ± 0.226		1.074 ± 0.206	

Mean ± S.D.
Significant difference: * : $p \leqq 0.05$ ** : $p \leqq 0.01$ Test of Dunnett

TABLE 12 INCIDENCES OF SELECTED NEOPLASTIC LESIONS OF MALE MICE IN THE 2-YEAR INHALATION STUDY OF 1,2-DICHLOROPROPANE

Group Name	Control	32 ppm	80 ppm	200 ppm	Peto	Cochran-
Number of examined animals	50	50	50	50	test	Armitage test
lung	<50>	<50>	<50>	<50>		
bronchiolar-alveolar adenoma	5 (10 %)	14 (28 %) *	9 (18 %)	12 (24 %)		
bronchiolar-alveolar carcinoma	4 (8 %)	6 (12 %)	6 (12 %)	8 (16 %)		
spleen	<50>	<50>	<50>	<50>		
hemangioma	0 (0 %)	1 (2 %)	0 (0 %)	1 (2 %)		
hemangiosarcoma	0 (0 %)	3 (6 %)	3 (6 %)	5 (10 %) *		
liver	<50>	<50>	<50>	<50>		
histiocytic sarcoma	1 (2 %)	4 (8 %)	7 (14 %) *	0 (0 %)		
Harderian gland	<50>	<50>	<49>	<50>		
adenoma	1 (2 %)	2 (4 %)	3 (6 %)	6 (12 %)	↑	↑

Significant difference : * : p≦0.05 ** : p≦0.01 Fisher's exact test for neoplastic lesion
↑(↓) : p≦0.05 ↑ ↑(↓ ↓) : p≦0.01 Peto or Cochran-Armitage test for neoplastic lesion
< > : Number of animals examined at the site

TABLE 13 INCIDENCES OF SELECTED NEOPLASTIC LESIONS OF FEMALE MICE IN THE 2-YEAR INHALATION STUDY OF 1,2-DICHLOROPROPANE

Group Name	Control	32 ppm	80 ppm	200 ppm	Peto	Cochran-
Number of examined animals	50	50	50	50	test	Armitage test
lung	<50>	<50>	<50>	<50>		
bronchiolar-alveolar adenoma	1 (2 %)	4 (8 %)	4 (8 %)	4 (8 %)		
bronchiolar-alveolar carcinoma	1 (2 %)	1 (2 %)	1 (2 %)	4 (8 %)	↑	

Significant difference : * : p≦0.05 ** : p≦0.01 Fisher's exact test for neoplastic lesion
↑(↓) : p≦0.05 ↑ ↑(↓ ↓) : p≦0.01 Peto or Cochran-Armitage test for neoplastic lesion
< > : Number of animals examined at the site

TABLE 14 INCIDENCES OF SELECTED NON-NEOPLASTIC LESIONS OF MALE MICE IN THE 2-YEAR INHALATION STUDY OF 1,2-DICHLOROPROPANE

Group Name	Control				32 ppm				80 ppm				200 ppm			
Number of examined animals	50				50				50				50			
Grade of non-neoplastic lesion	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
kidney	<50>				<50>				<50>				<50>			
basophilic change	8	2	1	0	30	0	0	0 **	26	2	0	0 **	22	9	2	0 **
mineralization:cortex	7	0	0	0	20	3	0	0 **	26	4	0	0 **	15	3	0	0 *
nasal cavity	<50>				<50>				<50>				<50>			
atrophy:olfactory epithelium	1	0	0	0	0	1	0	0	19	0	0	0 **	20	0	0	0 **
eosinophilic change:olfactory epithelium	7	0	0	0	21	0	0	0 **	9	0	0	0	14	1	0	0

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< > : Number of animals examined at the site
Significant difference : * : $p \leqq 0.05$ ** : $p \leqq 0.01$ Test of Chi Square

TABLE 15 INCIDENCES OF SELECTED NON-NEOPLASTIC LESIONS OF FEMALE MICE IN THE 2-YEAR INHALATION STUDY OF 1,2-DICHLOROPROPANE

Group Name	Control				32 ppm				80 ppm				200 ppm			
Number of examined animals	50				50				50				50			
Grade of non-neoplastic lesion	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
nasal cavity	<50>				<50>				<50>				<50>			
atrophy:olfactory epithelium	8	0	0	0	7	1	0	0	19	0	0	0 *	16	0	0	0
respiratory metaplasia:olfactory epithelium	32	0	0	0	14	0	0	0 **	34	0	0	0	43	1	0	0 *
eosinophilic change:olfactory epithelium	23	3	0	0	11	0	0	0 **	12	2	0	0 *	19	2	0	0
respiratory metaplasia:gland	16	0	0	0	11	0	0	0	13	0	0	0	40	3	0	0 **
eosinophilic change:respiratory epithelium	31	14	2	0	34	5	2	0	29	6	0	0 **	35	8	2	0
nasopharynx	<50>				<50>				<50>				<50>			
eosinophilic change	8	4	1	0	3	1	2	0	2	0	1	0 *	4	1	1	0
adrenal	<50>				<50>				<50>				<50>			
spindle-cell hyperplasia	2	22	26	0	5	25	20	0	4	29	16	0	7	32	10	0 **

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< > : Number of animals examined at the site
Significant difference : * : $p \leqq 0.05$ ** : $p \leqq 0.01$ Test of Chi Square

TABLE 16 HISTORICAL CONTROL DATA OF SELECTED NEOPLASTIC LESIONS IN JAPAN BIOASSAY RESEARCH CENTER : B6D2F1/Crlj MALE MICE

Organs Tumors	No. of animals examined	No. of animals bearing tumor	Incidence (%)	Min. - Max. (%)
Harderian gland	1695			
Adenoma		83	4.9	0 - 10
Lung	1695			
Bronchiolar-alveolar adenoma [1)]		136	8.3	2 - 18
Bronchiolar-alveolar carcinoma [2)]		185	10.7	0 - 24
1)+2)		319	18.8	2 - 30
Spleen	1695			
Hemangioma [3)]		41	2.4	0 - 10
Hemangiosarcoma [4)]		49	2.9	0 - 10
3)+4)		145	8.6	0 - 14

Thirty four carcinogenicity studies examined in Japan Bioassay Research Center were used.
Study No. : 0044, 0060, 0062, 0064, 0066, 0068, 0096, 0105, 0116, 0140, 0159, 0163, 0190, 0206, 0211, 0225, 0243, 0268, 0270, 0279, 0285, 0297, 0319, 0329, 0343, 0348, 0366, 0372, 0402, 0406, 0418, 0422, 0438, 0449

TABLE 17 HISTORICAL CONTROL DATA OF SELECTED NEOPLASTIC LESIONS IN JAPAN BIOASSAY RESEARCH CENTER : B6D2F1/Crlj FEMALE MICE

Organs Tumors	No. of animals examined	No. of animals bearing tumor	Incidence (%)	Min. - Max. (%)
Lung	1697			
Bronchiolar-alveolar adenoma [1)]		64	3.6	0 - 14
Bronchiolar-alveolar carcinoma [2)]		50	2.9	0 - 8
1)+2)		114	6.7	0 - 14

Thirty four carcinogenicity studies examined in Japan Bioassay Research Center were used.
Study No. : 0044, 0060, 0062, 0064, 0066, 0068, 0096, 0105, 0116, 0140, 0159, 0163, 0190, 0206, 0211, 0225, 0243, 0268, 0270, 0279, 0285, 0297, 0319, 0329, 0343, 0348, 0366, 0372, 0402, 0406, 0418, 0422, 0438, 0449

TABLE 18 CAUSE OF DEATH OF MICE IN THE 2-YEAR INHALATION STUDY OF 1,2-DICHLOROPROPANE

	Male				Female			
Group name	Control	32 ppm	80 ppm	200 ppm	Control	32 ppm	80 ppm	200 ppm
Number of dead or moribund animals	18	17	17	9	21	22	24	20
Integumentary system lesions	1	0	0	0	0	0	0	0
Urinary retention	2	1	0	0	0	0	0	0
Hydronephrosis	0	0	1	1	2	0	1	1
Cardiovascular lesions	0	0	0	0	0	1	0	1
Tumor death : leukemia	4	5	3	2	5	13	9	6
subcutis	1	0	1	0	0	0	0	0
nasal cavity	1	0	0	0	0	0	0	0
lung	0	0	1	0	0	0	0	1
spleen	0	1	0	1	0	0	0	0
stomach	0	1	0	0	0	0	0	0
liver	6	5	10	3	0	1	0	0
pituitary gland	1	0	0	0	2	0	1	1
mammary gland	0	0	0	1	0	0	2	0
peripheral nerve	0	2	0	0	0	0	0	0
epididymis	1	0	0	1	—	—	—	—
uterus	—	—	—	—	10	6	11	6
peritoneum	0	0	0	0	0	0	0	1
retroperitoneum	0	0	0	0	0	1	0	0
No microscopical confirmation	1	2	1	0	2	0	0	3