1-クロロ-2-ニトロベンゼンのマウスを用いた
経口投与によるがん原性試験（混餌試験）報告書

試験番号：0462

TABLES

TABLES

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TABLE 1 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES OF MALE MICE IN THE 2-YEAR FEED STUDY OF 1-CHLORO-2-NITROBENZENE

Week on Study	Control		100 ppm			500 ppm			2500 ppm		
	Av. Wt.	No. of Surviv.	Av. Wt.	% of cont.	No. of Surviv.	Av. Wt.	% of cont.	No. of Surviv.	Av. Wt.	% of cont.	No. of Surviv.
	<50>		<50>			<50>			<50>		
0	23.0 (50)	50 / 50	23.0 (50)	100	50 / 50	23.0 (50)	100	50 / 50	23.0 (50)	100	50 / 50
1	24.2 (50)	50 / 50	23.9 (50)	99	50 / 50	24.0 (50)	99	50 / 50	23.4 (50)	97	50 / 50
2	25.3 (50)	50 / 50	24.9 (50)	98	50 / 50	24.9 (50)	98	50 / 50	25.1 (50)	99	50 / 50
3	25.8 (50)	50 / 50	25.6 (50)	99	50 / 50	25.7 (50)	100	50 / 50	26.1 (50)	101	50 / 50
4	26.5 (50)	50 / 50	26.4 (50)	100	50 / 50	26.6 (50)	100	50 / 50	27.1 (50)	102	50 / 50
5	27.5 (50)	50 / 50	27.3 (50)	99	50 / 50	27.4 (50)	100	50 / 50	27.7 (50)	101	50 / 50
6	28.1 (50)	50 / 50	27.8 (50)	99	50 / 50	28.1 (50)	100	50 / 50	28.1 (50)	100	50 / 50
7	29.0 (50)	50 / 50	28.6 (50)	99	50 / 50	29.1 (50)	100	50 / 50	28.6 (50)	99	50 / 50
8	29.4 (50)	50 / 50	29.2 (50)	99	50 / 50	29.6 (50)	101	50 / 50	29.1 (50)	99	50 / 50
9	30.3 (50)	50 / 50	29.7 (50)	98	50 / 50	30.1 (50)	99	50 / 50	29.4 (50)	97	50 / 50
10	31.1 (50)	50 / 50	30.5 (50)	98	50 / 50	31.1 (50)	100	50 / 50	30.2 (49)	97	49 / 50
11	31.8 (50)	50 / 50	31.4 (50)	99	50 / 50	31.8 (50)	100	50 / 50	31.0 (49)	97	49 / 50
12	32.3 (50)	50 / 50	31.8 (50)	98	50 / 50	32.2 (50)	100	50 / 50	31.1 (49)	96	49 / 50
13	33.3 (50)	50 / 50	32.4 (50)	97	50 / 50	33.1 (50)	99	50 / 50	31.8 (49)	95	49 / 50
14	34.1 (50)	50 / 50	33.3 (50)	98	50 / 50	34.0 (50)	100	50 / 50	32.6 (49)	96	49 / 50
18	36.6 (50)	50 / 50	35.8 (50)	98	50 / 50	36.5 (50)	100	50 / 50	34.2 (49)	93	49 / 50
22	38.8 (50)	50 / 50	38.1 (50)	98	50 / 50	38.8 (50)	100	50 / 50	35.4 (49)	91	49 / 50
26	41.2 (50)	50 / 50	40.4 (50)	98	50 / 50	40.9 (50)	99	50 / 50	36.5 (49)	89	49 / 50
30	43.6 (50)	50 / 50	42.9 (50)	98	50 / 50	43.1 (50)	99	50 / 50	37.4 (49)	86	49 / 50
34	45.7 (50)	50 / 50	45.3 (50)	99	50 / 50	45.2 (50)	99	50 / 50	38.4 (49)	84	49 / 50
38	47.0 (50)	50 / 50	46.8 (50)	100	50 / 50	47.1 (50)	100	50 / 50	39.5 (49)	84	49 / 50
42	48.3 (50)	50 / 50	48.5 (50)	100	50 / 50	48.3 (50)	100	50 / 50	40.0 (49)	83	49 / 50
46	50.2 (49)	49 / 50	49.6 (50)	99	50 / 50	50.1 (50)	100	50 / 50	40.7 (49)	81	49 / 50
50	51.2 (49)	49 / 50	51.1 (50)	100	50 / 50	51.7 (49)	101	49 / 50	41.1 (49)	80	49 / 50
54	51.8 (49)	49 / 50	52.0 (50)	100	50 / 50	53.2 (49)	103	49 / 50	41.4 (49)	80	49 / 50
58	52.5 (49)	49 / 50	52.8 (50)	101	50 / 50	53.6 (49)	102	49 / 50	40.6 (49)	77	49 / 50
62	53.7 (48)	48 / 50	54.3 (50)	101	50 / 50	54.7 (49)	102	49 / 50	40.5 (47)	75	47 / 50
66	53.8 (47)	47 / 50	54.5 (48)	101	48 / 50	55.6 (48)	103	48 / 50	39.5 (47)	73	47 / 50
70	53.6 (47)	47 / 50	54.7 (47)	102	47 / 50	55.3 (48)	103	48 / 50	37.6 (43)	70	43 / 50
74	54.1 (47)	47 / 50	55.2 (46)	102	46 / 50	55.2 (45)	102	45 / 50	36.1 (39)	67	39 / 50
78	54.3 (45)	45 / 50	54.9 (45)	101	45 / 50	54.0 (42)	99	42 / 50	35.8 (35)	66	35 / 50
82	54.4 (45)	45 / 50	55.4 (45)	102	45 / 50	52.5 (40)	97	40 / 50	33.5 (30)	62	30 / 50
86	53.0 (45)	45 / 50	54.8 (45)	103	45 / 50	50.9 (38)	96	38 / 50	33.7 (23)	64	23 / 50
90	52.4 (40)	40 / 50	53.1 (45)	101	45 / 50	47.6 (33)	91	33 / 50	32.0 (18)	61	18 / 50
94	52.8 (39)	39 / 50	51.8 (44)	98	44 / 50	45.0 (29)	85	29 / 50	32.1 (14)	61	14 / 50
98	51.6 (38)	38 / 50	50.6 (40)	98	40 / 50	42.2 (25)	82	25 / 50	30.6 (11)	59	11 / 50
102	51.2 (37)	37 / 50	50.2 (37)	98	37 / 50	40.6 (22)	79	22 / 50	30.7 (10)	60	10 / 50
104	51.0 (35)	35 / 50	49.2 (35)	96	35 / 50	40.0 (17)	78	17 / 50	30.6 (8)	60	8 / 50

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

TABLE 2 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES OF FEMALE MICE IN THE 2-YEAR FEED STUDY OF 1-CHLORO-2-NITROBENZENE

Week on Study	Control		100 ppm			500 ppm			2500 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	18.6 (50)	50 / 50	18.6 (50)	100	50 / 50	18.6 (50)	100	50 / 50	18.6 (50)	100	50 / 50
1	19.0 (50)	50 / 50	19.1 (50)	101	50 / 50	19.3 (50)	102	50 / 50	19.6 (50)	103	50 / 50
2	19.5 (50)	50 / 50	19.6 (50)	101	50 / 50	19.9 (50)	102	50 / 50	20.3 (50)	104	50 / 50
3	20.1 (50)	50 / 50	20.3 (50)	101	50 / 50	20.6 (50)	102	50 / 50	21.0 (50)	104	50 / 50
4	20.5 (50)	50 / 50	20.8 (50)	101	50 / 50	21.3 (50)	104	50 / 50	21.7 (50)	106	50 / 50
5	21.4 (50)	50 / 50	21.4 (50)	100	50 / 50	22.1 (50)	103	50 / 50	22.5 (50)	105	50 / 50
6	21.9 (50)	50 / 50	21.8 (50)	100	50 / 50	22.7 (50)	104	50 / 50	23.1 (50)	105	50 / 50
7	22.4 (50)	50 / 50	22.7 (50)	101	50 / 50	23.2 (50)	104	50 / 50	24.0 (50)	107	50 / 50
8	23.0 (50)	50 / 50	22.9 (50)	100	50 / 50	23.7 (50)	103	50 / 50	24.0 (50)	104	50 / 50
9	23.3 (50)	50 / 50	23.1 (50)	99	50 / 50	24.0 (50)	103	50 / 50	24.7 (50)	106	50 / 50
10	23.9 (50)	50 / 50	24.2 (50)	101	50 / 50	24.8 (50)	104	50 / 50	25.3 (50)	106	50 / 50
11	24.4 (50)	50 / 50	24.3 (50)	100	50 / 50	25.4 (50)	104	50 / 50	25.7 (50)	105	50 / 50
12	24.5 (50)	50 / 50	24.4 (50)	100	50 / 50	25.3 (50)	103	50 / 50	25.7 (50)	105	50 / 50
13	24.8 (50)	50 / 50	25.1 (50)	101	50 / 50	25.8 (50)	104	50 / 50	25.9 (50)	104	50 / 50
14	25.7 (50)	50 / 50	25.8 (50)	100	50 / 50	26.7 (50)	104	50 / 50	26.3 (50)	102	50 / 50
18	27.4 (50)	50 / 50	27.5 (50)	100	50 / 50	28.1 (50)	103	50 / 50	27.6 (50)	101	50 / 50
22	28.8 (50)	50 / 50	29.2 (50)	101	50 / 50	30.0 (50)	104	50 / 50	29.2 (50)	101	50 / 50
26	30.4 (50)	50 / 50	30.1 (50)	99	50 / 50	31.2 (50)	103	50 / 50	29.7 (50)	98	50 / 50
30	32.0 (50)	50 / 50	31.8 (50)	99	50 / 50	32.9 (50)	103	50 / 50	30.8 (50)	96	50 / 50
34	33.0 (50)	50 / 50	33.3 (50)	101	50 / 50	34.0 (50)	103	50 / 50	31.7 (50)	96	50 / 50
38	34.2 (50)	50 / 50	33.9 (50)	99	50 / 50	34.9 (50)	102	50 / 50	31.8 (50)	93	50 / 50
42	35.4 (50)	50 / 50	35.1 (50)	99	50 / 50	36.4 (50)	103	50 / 50	32.3 (50)	91	50 / 50
46	36.3 (50)	50 / 50	36.3 (50)	100	50 / 50	37.4 (49)	103	49 / 50	32.2 (49)	89	49 / 50
50	36.9 (49)	49 / 50	36.7 (50)	99	50 / 50	38.1 (49)	103	49 / 50	31.8 (49)	86	49 / 50
54	37.9 (49)	49 / 50	38.2 (50)	101	50 / 50	38.8 (49)	102	49 / 50	31.3 (49)	83	49 / 50
58	38.6 (49)	49 / 50	38.9 (50)	101	50 / 50	39.4 (49)	102	49 / 50	30.6 (48)	79	48 / 50
62	38.5 (49)	49 / 50	39.2 (50)	102	50 / 50	39.6 (49)	103	49 / 50	30.2 (47)	78	47 / 50
66	39.4 (49)	49 / 50	40.0 (50)	102	50 / 50	40.3 (48)	102	48 / 50	29.4 (46)	75	46 / 50
70	40.1 (49)	49 / 50	40.2 (50)	100	50 / 50	40.8 (48)	102	48 / 50	28.7 (46)	72	46 / 50
74	39.8 (49)	49 / 50	40.0 (49)	101	49 / 50	40.0 (48)	101	48 / 50	27.7 (44)	70	44 / 50
78	39.8 (49)	49 / 50	39.5 (48)	99	48 / 50	38.7 (47)	97	47 / 50	27.5 (36)	69	36 / 50
82	39.7 (42)	42 / 50	39.9 (45)	101	45 / 50	38.2 (40)	96	40 / 50	27.2 (31)	69	31 / 50
86	39.2 (39)	39 / 50	39.3 (43)	100	43 / 50	37.4 (37)	95	37 / 50	26.7 (27)	68	27 / 50
90	38.8 (38)	38 / 50	39.2 (40)	101	40 / 50	36.8 (35)	95	35 / 50	26.2 (22)	68	22 / 50
94	38.9 (36)	36 / 50	39.1 (39)	101	39 / 50	35.3 (33)	91	33 / 50	26.0 (15)	67	15 / 50
98	38.3 (31)	31 / 50	39.1 (35)	102	35 / 50	34.8 (27)	91	27 / 50	26.1 (12)	68	12 / 50
102	38.2 (30)	30 / 50	38.4 (35)	101	35 / 50	33.8 (26)	88	26 / 50	25.8 (8)	68	8 / 50
104	37.4 (29)	29 / 50	37.9 (34)	101	34 / 50	33.0 (26)	88	26 / 50	26.5 (5)	71	5 / 50

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

TABLE 3 FOOD CONSUMPTION CHANGES OF MALE MICE IN THE 2-YEAR FEED STUDY OF 1-CHLORO-2-NITROBENZENE

Week on Study	Control		100 ppm			500 ppm			2500 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	4.0 (50)	103	50 / 50
2	3.7 (50)	50 / 50	3.7 (50)	100	50 / 50	3.8 (50)	103	50 / 50	4.3 (50)	116	50 / 50
3	3.6 (50)	50 / 50	3.7 (50)	103	50 / 50	3.7 (50)	103	50 / 50	3.8 (50)	106	50 / 50
4	3.8 (50)	50 / 50	3.7 (50)	97	50 / 50	3.7 (50)	97	50 / 50	3.9 (50)	103	50 / 50
5	3.8 (50)	50 / 50	3.8 (50)	100	50 / 50	3.8 (50)	100	50 / 50	3.9 (50)	103	50 / 50
6	3.7 (50)	50 / 50	3.6 (50)	97	50 / 50	3.7 (50)	100	50 / 50	3.7 (50)	100	50 / 50
7	3.9 (50)	50 / 50	3.8 (50)	97	50 / 50	3.9 (50)	100	50 / 50	3.9 (50)	100	50 / 50
8	3.9 (50)	50 / 50	3.8 (50)	97	50 / 50	3.9 (50)	100	50 / 50	3.8 (50)	97	50 / 50
9	4.0 (50)	50 / 50	3.8 (50)	95	50 / 50	3.9 (50)	98	50 / 50	3.9 (50)	98	50 / 50
10	4.1 (50)	50 / 50	3.9 (50)	95	50 / 50	3.9 (50)	95	50 / 50	3.9 (49)	95	49 / 50
11	4.0 (50)	50 / 50	3.9 (50)	98	50 / 50	3.9 (50)	98	50 / 50	3.9 (49)	98	49 / 50
12	4.0 (50)	50 / 50	4.0 (50)	100	50 / 50	4.0 (50)	100	50 / 50	3.9 (49)	98	49 / 50
13	4.0 (50)	50 / 50	3.9 (50)	98	50 / 50	3.9 (50)	98	50 / 50	3.9 (49)	98	49 / 50
14	4.0 (50)	50 / 50	3.9 (50)	98	50 / 50	4.0 (50)	100	50 / 50	4.0 (49)	100	49 / 50
18	4.0 (50)	50 / 50	3.9 (50)	98	50 / 50	3.8 (50)	95	50 / 50	3.8 (49)	95	49 / 50
22	4.2 (50)	50 / 50	4.1 (50)	98	50 / 50	4.0 (50)	95	50 / 50	3.9 (49)	93	49 / 50
26	4.3 (50)	50 / 50	4.2 (50)	98	50 / 50	4.1 (50)	95	50 / 50	4.1 (49)	95	49 / 50
30	4.4 (50)	50 / 50	4.2 (50)	95	50 / 50	4.3 (50)	98	50 / 50	4.1 (49)	93	49 / 50
34	4.4 (50)	50 / 50	4.2 (50)	95	50 / 50	4.3 (50)	98	50 / 50	4.2 (49)	95	49 / 50
38	4.3 (50)	50 / 50	4.1 (50)	95	50 / 50	4.2 (50)	98	50 / 50	4.2 (49)	98	49 / 50
42	4.4 (50)	50 / 50	4.4 (50)	100	50 / 50	4.3 (49)	98	50 / 50	4.2 (49)	95	49 / 50
46	4.5 (49)	49 / 50	4.3 (50)	96	50 / 50	4.4 (50)	98	50 / 50	4.2 (48)	93	49 / 50
50	4.5 (49)	49 / 50	4.5 (50)	100	50 / 50	4.5 (49)	100	49 / 50	4.4 (49)	98	49 / 50
54	4.5 (49)	49 / 50	4.5 (50)	100	50 / 50	4.6 (49)	102	49 / 50	4.5 (49)	100	49 / 50
58	4.5 (49)	49 / 50	4.5 (50)	100	50 / 50	4.4 (49)	98	49 / 50	4.2 (49)	93	49 / 50
62	4.5 (48)	48 / 50	4.4 (50)	98	50 / 50	4.6 (49)	102	49 / 50	4.5 (47)	100	47 / 50
66	4.7 (47)	47 / 50	4.5 (48)	96	48 / 50	4.6 (48)	98	48 / 50	4.8 (46)	102	47 / 50
70	4.7 (47)	47 / 50	4.5 (47)	96	47 / 50	4.5 (48)	96	48 / 50	4.7 (41)	100	43 / 50
74	4.8 (45)	47 / 50	4.7 (46)	98	46 / 50	4.7 (45)	98	45 / 50	4.8 (38)	100	39 / 50
78	5.1 (44)	45 / 50	4.9 (45)	96	45 / 50	4.7 (42)	92	42 / 50	5.2 (24)	102	35 / 50
82	5.0 (45)	45 / 50	4.8 (43)	96	45 / 50	4.6 (40)	92	40 / 50	5.3 (20)	106	30 / 50
86	4.7 (42)	45 / 50	5.0 (44)	106	45 / 50	4.9 (37)	104	38 / 50	5.8 (16)	123	23 / 50
90	4.7 (36)	40 / 50	4.6 (45)	98	45 / 50	4.3 (33)	91	33 / 50	4.9 (10)	104	18 / 50
94	4.7 (37)	39 / 50	4.6 (41)	98	44 / 50	4.3 (25)	91	29 / 50	4.6 (4)	98	14 / 50
98	4.7 (34)	38 / 50	4.7 (37)	100	40 / 50	4.2 (23)	89	25 / 50	4.7 (4)	100	11 / 50
102	4.8 (36)	37 / 50	4.8 (37)	100	37 / 50	4.6 (22)	96	22 / 50	5.6 (5)	117	10 / 50
104	4.7 (34)	35 / 50	4.7 (34)	100	35 / 50	4.8 (17)	102	17 / 50	5.0 (3)	106	8 / 50

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

TABLE 4 FOOD CONSUMPTION CHANGES OF FEMALE MICE IN THE 2-YEAR FEED STUDY OF 1-CHLORO-2-NITROBENZENE

Week on Study	Control		100 ppm			500 ppm			2500 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	3.5 (50)	50 / 50	3.8 (50)	109	50 / 50	3.7 (50)	106	50 / 50	3.7 (50)	106	50 / 50
2	3.2 (50)	50 / 50	3.5 (50)	109	50 / 50	3.6 (50)	113	50 / 50	3.6 (50)	113	50 / 50
3	3.4 (50)	50 / 50	3.5 (50)	103	50 / 50	3.4 (50)	100	50 / 50	3.4 (50)	100	50 / 50
4	3.3 (50)	50 / 50	3.4 (50)	103	50 / 50	3.5 (50)	106	50 / 50	3.4 (50)	103	50 / 50
5	3.5 (50)	50 / 50	3.6 (50)	103	50 / 50	3.7 (48)	106	50 / 50	3.6 (50)	103	50 / 50
6	3.5 (50)	50 / 50	3.5 (50)	100	50 / 50	3.6 (50)	103	50 / 50	3.6 (50)	103	50 / 50
7	3.7 (50)	50 / 50	3.9 (50)	105	50 / 50	3.9 (50)	105	50 / 50	4.0 (50)	108	50 / 50
8	3.6 (50)	50 / 50	3.6 (50)	100	50 / 50	3.7 (50)	103	50 / 50	3.8 (50)	106	50 / 50
9	3.7 (50)	50 / 50	3.6 (50)	97	50 / 50	3.9 (50)	105	50 / 50	3.9 (50)	105	50 / 50
10	3.8 (50)	50 / 50	3.9 (50)	103	50 / 50	3.9 (50)	103	50 / 50	3.8 (50)	100	50 / 50
11	3.7 (50)	50 / 50	3.9 (50)	105	50 / 50	3.9 (50)	105	50 / 50	3.9 (50)	105	50 / 50
12	3.8 (50)	50 / 50	3.9 (50)	103	50 / 50	3.9 (50)	103	50 / 50	4.0 (50)	105	50 / 50
13	3.7 (50)	50 / 50	3.9 (50)	105	50 / 50	3.7 (50)	100	50 / 50	3.7 (50)	100	50 / 50
14	3.9 (50)	50 / 50	3.9 (50)	100	50 / 50	3.9 (50)	100	50 / 50	3.8 (50)	97	50 / 50
18	3.7 (50)	50 / 50	3.8 (50)	103	50 / 50	3.8 (50)	103	50 / 50	3.8 (50)	103	50 / 50
22	3.8 (50)	50 / 50	4.0 (50)	105	50 / 50	4.0 (50)	105	50 / 50	4.1 (50)	108	50 / 50
26	4.0 (50)	50 / 50	4.1 (50)	103	50 / 50	4.1 (50)	103	50 / 50	4.1 (50)	103	50 / 50
30	4.2 (50)	50 / 50	4.2 (50)	100	50 / 50	4.2 (50)	100	50 / 50	4.2 (50)	100	50 / 50
34	4.2 (50)	50 / 50	4.4 (50)	105	50 / 50	4.1 (50)	98	50 / 50	4.3 (50)	102	50 / 50
38	4.1 (49)	50 / 50	4.2 (50)	102	50 / 50	4.1 (47)	100	50 / 50	4.1 (50)	100	50 / 50
42	4.3 (50)	50 / 50	4.3 (50)	100	50 / 50	4.3 (50)	100	50 / 50	4.3 (50)	100	50 / 50
46	4.3 (50)	50 / 50	4.5 (49)	105	50 / 50	4.4 (49)	102	49 / 50	4.4 (49)	102	49 / 50
50	4.4 (49)	49 / 50	4.4 (49)	100	50 / 50	4.5 (49)	102	49 / 50	4.4 (49)	100	49 / 50
54	4.4 (49)	49 / 50	4.6 (49)	105	50 / 50	4.5 (49)	102	49 / 50	4.6 (46)	105	49 / 50
58	4.5 (48)	49 / 50	4.6 (50)	102	50 / 50	4.5 (49)	100	49 / 50	4.8 (45)	107	48 / 50
62	4.3 (49)	49 / 50	4.5 (50)	105	50 / 50	4.5 (49)	105	49 / 50	4.8 (41)	112	47 / 50
66	4.5 (48)	49 / 50	4.6 (48)	102	50 / 50	4.5 (48)	100	48 / 50	4.6 (41)	102	46 / 50
70	4.4 (47)	49 / 50	4.5 (48)	102	50 / 50	4.5 (45)	102	48 / 50	4.5 (40)	102	46 / 50
74	4.5 (49)	49 / 50	4.6 (49)	102	49 / 50	4.5 (48)	100	48 / 50	4.7 (39)	104	44 / 50
78	4.7 (46)	49 / 50	4.5 (43)	96	48 / 50	4.5 (45)	96	47 / 50	4.6 (24)	98	36 / 50
82	4.8 (41)	42 / 50	4.6 (40)	96	45 / 50	4.6 (39)	96	40 / 50	4.6 (23)	96	31 / 50
86	4.7 (38)	39 / 50	5.0 (41)	106	43 / 50	4.9 (34)	104	37 / 50	4.9 (18)	104	27 / 50
90	4.5 (36)	38 / 50	4.5 (33)	100	40 / 50	4.6 (32)	102	35 / 50	4.6 (16)	102	22 / 50
94	4.4 (33)	36 / 50	4.4 (34)	100	39 / 50	4.2 (29)	95	33 / 50	4.8 (9)	109	15 / 50
98	4.8 (28)	31 / 50	4.7 (33)	98	35 / 50	4.8 (24)	100	27 / 50	5.0 (7)	104	12 / 50
102	4.8 (30)	30 / 50	4.6 (35)	96	35 / 50	4.9 (23)	102	26 / 50	5.5 (6)	115	8 / 50
104	4.4 (26)	29 / 50	4.4 (31)	100	34 / 50	4.7 (22)	107	26 / 50	4.3 (1)	98	5 / 50

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

TABLE 5 HEMATOLOGY OF MALE MICE IN THE 2-YEAR FEED STUDY OF 1-CHLORO-2-NITROBENZENE

Group Name	Control	100 ppm	500 ppm	2500 ppm
No. of examined animals	33	33	14	8
RETICULOCYTE (%)	2.4 ± 1.6	2.8 ± 2.3	9.4 ± 12.7 **	8.0 ± 5.4 **
Differential WBC (%)				
N-SEG	26 ± 9	28 ± 12	33 ± 12	57 ± 12 **
EOSINO	2 ± 2	1 ± 1	1 ± 1 *	0 ± 0 **
LYMPHO	67 ± 10	64 ± 17	61 ± 14	35 ± 14 **

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

TABLE 6 HEMATOLOGY OF FEMALE MICE IN THE 2-YEAR FEED STUDY OF 1-CHLORO-2-NITROBENZENE

Group Name	Control	100 ppm	500 ppm	2500 ppm
No. of examined animals	29	34	25	4
MCH (pg)	14.8 ± 0.6	14.7 ± 0.5	14.4 ± 0.6 *	15.3 ± 0.5
RETICULOCYTE (%)	4.7 ± 8.0	3.1 ± 2.7	5.2 ± 3.9 **	5.3 ± 1.0 *
WBC ($10^3/\mu$ L)	3.31 ± 3.44	3.33 ± 4.78	3.08 ± 1.56	1.12 ± 0.41 *
Differential WBC (%)				
N-SEG	27 ± 14	22 ± 11	28 ± 14	69 ± 9 **
EOSINO	3 ± 3	2 ± 2	2 ± 6 *	0 ± 1 *
LYMPHO	62 ± 18	69 ± 16	61 ± 19	25 ± 6 **

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

TABLE 7 BIOCHEMISTRY OF MALE MICE IN THE 2-YEAR FEED STUDY OF 1-CHLORO-2-NITROBENZENE

Group Name	Control	100 ppm	500 ppm		2500 ppm	
No. of examined animals	34	34	14		8	
T-BILIRUBIN (mg/dL)	0.15 ± 0.07	0.14 ± 0.03	0.29 ± 0.26	*	0.38 ± 0.20	**
GLUCOSE (mg/dL)	197 ± 48	199 ± 54	167 ± 58		138 ± 22	*
T-CHOLESTEROL (mg/dL)	128 ± 59	151 ± 64	200 ± 79	**	339 ± 78	**
PHOSPHOLIPID (mg/dL)	217 ± 86	247 ± 79	354 ± 140	**	576 ± 120	**
AST (IU/L)	306 ± 787	156 ± 209	549 ± 590	**	3136 ± 3412	**
ALT (IU/L)	234 ± 579	120 ± 173	610 ± 759	**	2400 ± 2502	**
LDH (IU/L)	929 ± 2145	495 ± 693	7530 ± 10481	**	10515 ± 10479	**
ALP (IU/L)	145 ± 52	215 ± 186	1013 ± 715	**	2448 ± 1025	**
G-GTP (IU/L)	2 ± 1	1 ± 1	3 ± 2	*	74 ± 29	**
CK (IU/L)	54 ± 32	58 ± 34	202 ± 395	**	139 ± 38	**
POTASSIUM (mEq/L)	4.1 ± 0.4	4.1 ± 0.5	4.2 ± 0.9		5.0 ± 0.8	**
CALCIUM (mg/dL)	9.2 ± 0.6	9.3 ± 0.5	9.8 ± 1.3	*	10.2 ± 0.4	**
INORGANIC PHOSPHORUS (mg/dL)	6.3 ± 0.8	6.4 ± 0.9	6.2 ± 1.3		7.4 ± 0.8	**

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

TABLE 8 BIOCHEMISTRY OF FEMALE MICE IN THE 2-YEAR FEED STUDY OF 1-CHLORO-2-NITROBENZENE

Group Name	Control	100 ppm	500 ppm		2500 ppm	
No. of examined animals	29	34	26		4	
TOTAL PROTEIN (g/dL)	5.1 ± 0.9	4.9 ± 0.4	6.0 ± 1.1	**	6.6 ± 0.2	**
ALBUMIN (g/dL)	2.7 ± 0.3	2.8 ± 0.2	3.0 ± 0.2	**	3.7 ± 0.2	**
T-BILIRUBIN (mg/dL)	0.14 ± 0.03	0.16 ± 0.07	0.24 ± 0.16	**	0.58 ± 0.12	**
GLUCOSE (mg/dL)	170 ± 35	160 ± 40	165 ± 46		61 ± 44	**
T-CHOLESTEROL (mg/dL)	76 ± 21	89 ± 23	166 ± 73	**	558 ± 245	**
PHOSPHOLIPID (mg/dL)	137 ± 32	164 ± 35	312 ± 154	**	867 ± 307	**
AST (IU/L)	94 ± 45	105 ± 122	449 ± 824	**	1432 ± 796	**
ALT (IU/L)	36 ± 27	51 ± 62	480 ± 816	**	2115 ± 779	**
LDH (IU/L)	409 ± 395	393 ± 528	2078 ± 4212	**	6228 ± 2802	**
ALP (IU/L)	170 ± 56	200 ± 95	805 ± 738	**	4432 ± 1221	**
G-GTP (IU/L)	1 ± 1	1 ± 1	5 ± 8	**	250 ± 30	**
UREA NITROGEN (mg/dL)	17.5 ± 5.2	15.2 ± 3.0	21.3 ± 9.8		35.5 ± 15.1	*
POTASSIUM (mEq/L)	4.2 ± 0.3	4.2 ± 0.6	4.2 ± 0.6		6.2 ± 1.8	*
CALCIUM (mg/dL)	9.0 ± 0.5	9.0 ± 0.4	9.8 ± 0.7	**	10.3 ± 0.6	**
INORGANIC PHOSPHORUS (mg/dL)	5.7 ± 0.8	5.7 ± 0.9	6.1 ± 1.2		7.9 ± 1.3	**

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

TABLE 9 URINALYSIS OF MALE MICE IN THE 2-YEAR FEED STUDY OF 1-CHLORO-2-NITROBENZENE

Group Name		Control	100 ppm	500 ppm	2500 ppm
No. of examined animals		36	36	20	10
	Grade				
Protein	−	0	0	0	1
	±	3	2	5	4
	+	21	18	9	5
	2+	11	14	6	0
	3+	1	2	0	0
	4+	0	0	0	0
	Chi square test				*

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

TABLE 10 URINALYSIS OF FEMALE MICE IN THE 2-YEAR FEED STUDY OF 1-CHLORO-2-NITROBENZENE

Group Name		Control	100 ppm	500 ppm	2500 ppm
No. of examined animals		29	34	26	8
	Grade				
Protein	−	0	0	5	1
	±	7	4	7	4
	+	15	19	13	2
	2+	7	11	1	1
	3+	0	0	0	0
	4+	0	0	0	0
	Chi square test			*	
Ketone body	−	3	0	4	0
	±	21	25	17	2
	+	3	8	4	4
	2+	2	1	1	2
	3+	0	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 FEED STUDY OF 1-CHLORO-2-NITROBENZENE

Group Name	Control	100 ppm	500 ppm		2500 ppm	
No. of examined animals	35	35	17		8	
Body weight (g)	47.7 ± 8.5	46.1 ± 9.8	37.2 ± 5.6	**	28.2 ± 1.9	**
Adrenals (g)	0.011 ± 0.002	0.011 ± 0.002	0.013 ± 0.003		0.011 ± 0.002	
Adrenals (%)	0.024 ± 0.008	0.026 ± 0.010	0.035 ± 0.007	**	0.037 ± 0.008	**
Testes (g)	0.227 ± 0.021	0.255 ± 0.130	0.224 ± 0.021		0.199 ± 0.019	*
Testes (%)	0.491 ± 0.102	0.584 ± 0.374	0.614 ± 0.106	**	0.706 ± 0.046	**
Heart (g)	0.219 ± 0.024	0.215 ± 0.027	0.205 ± 0.028		0.179 ± 0.021	**
Heart (%)	0.473 ± 0.107	0.487 ± 0.119	0.557 ± 0.079	*	0.637 ± 0.073	**
Lungs (g)	0.211 ± 0.087	0.220 ± 0.106	0.190 ± 0.020		0.175 ± 0.014	
Lungs (%)	0.459 ± 0.212	0.528 ± 0.387	0.521 ± 0.084	*	0.624 ± 0.068	**
Kidneys (g)	0.595 ± 0.056	0.659 ± 0.270	0.606 ± 0.060		0.545 ± 0.059	
Kidneys (%)	1.281 ± 0.222	1.510 ± 0.841	1.650 ± 0.180	**	1.936 ± 0.160	**
Spleen (g)	0.110 ± 0.083	0.129 ± 0.123	0.270 ± 0.336		0.110 ± 0.042	
Spleen (%)	0.247 ± 0.205	0.308 ± 0.299	0.737 ± 0.888	**	0.393 ± 0.158	*
Liver (g)	2.055 ± 1.074	2.195 ± 0.623	4.652 ± 2.197	**	7.974 ± 1.338	**
Liver (%)	4.682 ± 3.366	5.101 ± 2.348	12.890 ± 6.586	**	28.286 ± 4.120	**
Brain (g)	0.449 ± 0.012	0.449 ± 0.017	0.448 ± 0.013		0.421 ± 0.019	**
Brain (%)	0.975 ± 0.201	1.025 ± 0.260	1.230 ± 0.182	**	1.500 ± 0.127	**

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

TABLE 12 ORGAN WEIGHTS OF FEMALE MICE IN THE 2-YEAR FEED STUDY OF 1-CHLORO-2-NITROBENZENE

Group Name	Control	100 ppm	500 ppm		2500 ppm	
No. of examined animals	29	34	26		5	
Body weight (g)	34.9 ± 5.5	35.5 ± 4.5	30.3 ± 3.5	**	24.4 ± 2.4	**
Ovaries (g)	0.072 ± 0.078	0.069 ± 0.051	0.069 ± 0.066		0.022 ± 0.013	*
Ovaries (%)	0.205 ± 0.220	0.197 ± 0.140	0.223 ± 0.203		0.092 ± 0.053	
Heart (g)	0.164 ± 0.019	0.164 ± 0.024	0.158 ± 0.015		0.166 ± 0.055	
Heart (%)	0.480 ± 0.099	0.471 ± 0.093	0.529 ± 0.076		0.670 ± 0.148	**
Lungs (g)	0.186 ± 0.063	0.208 ± 0.126	0.215 ± 0.168		0.197 ± 0.027	
Lungs (%)	0.562 ± 0.316	0.611 ± 0.446	0.773 ± 0.891	**	0.807 ± 0.104	**
Kidneys (g)	0.417 ± 0.065	0.425 ± 0.074	0.467 ± 0.136		0.422 ± 0.068	
Kidneys (%)	1.220 ± 0.279	1.221 ± 0.291	1.569 ± 0.533	**	1.721 ± 0.142	**
Spleen (g)	0.157 ± 0.108	0.216 ± 0.310	0.260 ± 0.253		0.139 ± 0.073	
Spleen (%)	0.477 ± 0.386	0.616 ± 0.883	0.874 ± 0.901	*	0.550 ± 0.226	
Liver (g)	1.413 ± 0.294	1.599 ± 0.745	3.601 ± 2.252	**	8.152 ± 1.387	**
Liver (%)	4.147 ± 1.235	4.614 ± 2.557	12.174 ± 7.567	**	33.269 ± 3.223	**
Brain (g)	0.461 ± 0.011	0.464 ± 0.014	0.450 ± 0.018	**	0.409 ± 0.006	**
Brain (%)	1.353 ± 0.228	1.329 ± 0.180	1.505 ± 0.183	*	1.688 ± 0.153	**

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

TABLE 13 INCIDENCES OF SELECTED NEOPLASTIC LESIONS OF MALE MICE IN THE 2-YEAR FEED STUDY OF 1-CHLORO-2-NITROBENZENE

Group Name	Control	100 ppm	500 ppm	2500 ppm	Peto	Cochran-
Number of examined animals	50	50	50	50	test	Armitage test
liver	<50>	<50>	<50>	<50>		
hepatocellular adenoma	19 (38 %)	29 (58 %) *	30 (60 %) *	34 (68 %) **	↑ ↑	↑
hepatocellular carcinoma	15 (30 %)	14 (28 %)	20 (40 %)	35 (70 %) **	↑ ↑	↑ ↑
hepatoblastoma	1 (2 %)	6 (12 %)	35 (70 %) **	44 (88 %) **	↑ ↑	↑ ↑
lung	<50>	<50>	<50>	<50>		
bronchiolar-alveolar adenoma	9 (18 %)	8 (16 %)	3 (6 %)	0 (0 %) **		↓ ↓
bronchiolar-alveolar carcinoma	4 (8 %)	10 (20 %)	3 (6 %)	1 (2 %)		↓
lymph node	<50>	<50>	<50>	<50>		
malignant lymphoma	5 (10 %)	7 (14 %)	4 (8 %)	1 (2 %)		↓

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 NEOPLASTIC LESIONS OF FEMALE MICE IN THE 2-YEAR FEED STUDY OF 1-CHLORO-2-NITROBENZENE

Group Name	Control	100 ppm	500 ppm	2500 ppm	Peto	Cochran-
Number of examined animals	50	50	50	50	test	Armitage test
liver	<50>	<50>	<50>	<50>		
hepatocellular adenoma	8 (16 %)	22 (44 %) **	48 (96 %) **	38 (76 %) **	↑ ↑	↑ ↑
hepatocellular carcinoma	0 (0 %)	3 (6 %)	14 (28 %) **	48 (96 %) **	↑ ↑	↑ ↑
hepatoblastoma	0 (0 %)	0 (0 %)	9 (18 %) **	28 (56 %) **	↑ ↑	↑ ↑
lung	<50>	<50>	<50>	<50>		
bronchiolar-alveolar adenoma	4 (8 %)	4 (8 %)	0 (0 %)	0 (0 %)		↓
pituitary gland	<49>	<50>	<50>	<50>		
adenoma	4 (8 %)	6 (12 %)	2 (4 %)	0 (0 %)		↓
uterus	<50>	<50>	<50>	<50>		
histiocytic sarcoma	15 (30 %)	8 (16 %)	12 (24 %)	6 (12 %) *		
lymph node	<50>	<50>	<50>	<50>		
malignant lymphoma	16 (32 %)	17 (34 %)	17 (34 %)	3 (6 %) **		↓ ↓

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 15 INCIDENCES OF SELECTED NON-NEOPLASTIC LESIONS OF MALE MICE IN THE 2-YEAR FEED STUDY OF 1-CHLORO-2-NITROBENZENE

Group Name	Control				100 ppm				500 ppm				2500 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
lung	<50>				<50>				<50>				<50>			
inflammatory infiltration	0	0	0	0	0	1	0	0	6	0	0	0 *	1	0	0	0
bronchiolar-alveolar cell hyperplasia	0	0	0	0	4	0	0	0	15	0	0	0 **	14	1	0	0 **
bone marrow	<50>				<50>				<50>				<50>			
erythropoiesis:increased	6	0	0	0	3	0	0	0	20	8	0	0 **	24	14	0	0 **
spleen	<50>				<50>				<50>				<50>			
deposit of hemosiderin	7	2	0	0	20	0	0	0 **	18	3	0	0 *	34	6	0	0 **
extramedullary hematopoiesis	12	6	0	0	8	4	2	0	6	22	9	0 **	10	25	4	0 **
salivary gland	<50>				<50>				<50>				<50>			
lymphocytic infiltration	8	0	0	0	3	0	0	0	0	0	0	0 **	1	0	0	0 *
liver	<50>				<50>				<50>				<50>			
granulation	26	1	0	0	11	0	0	0 **	4	5	0	0 **	2	0	0	0 **
hepatocellular hypertrophy:central	0	0	0	0	29	3	0	0 **	2	39	1	0 **	1	22	19	0 **
nuclear enlargement:central	0	0	0	0	0	0	0	0	18	0	0	0 **	6	0	0	0 *
kidney	<50>				<50>				<50>				<50>			
deposit of hemosiderin	0	1	0	0	1	0	2	0	0	9	17	0 **	4	1	27	0 **
adrenal gland	<50>				<50>				<50>				<50>			
spindle-cell hyperplasia	31	0	0	0	29	2	0	0	34	0	0	0	20	0	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 16 INCIDENCES OF SELECTED NON-NEOPLASTIC LESIONS OF FEMALE MICE IN THE 2-YEAR FEED STUDY OF 1-CHLORO-2-NITROBENZENE

Group Name	Control				100 ppm				500 ppm				2500 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>			
eosinophilic change:olfactory epithelium	8	1	0	0	7	0	0	0	9	2	0	0	24	3	0	0 **
eosinophilic change:respiratoryepithelium	19	10	0	0	22	9	0	0	23	17	0	0 *	21	15	1	0
respiratory metaplasia:olfactory epithelium	3	0	0	0	2	0	0	0	8	0	0	0	20	0	0	0 **
respiratory metaplasia:gland	17	0	0	0	12	1	0	0	19	2	0	0	28	9	0	0 **
lung	<50>				<50>				<50>				<50>			
bronchiolar-alveolar cell hyperplasia	8	0	0	0	11	0	0	0	21	0	0	0 **	17	0	0	0
bone marrow	<50>				<50>				<50>				<50>			
erythropoiesis:increased	3	0	0	0	4	0	0	0	15	1	0	0 **	29	9	0	0 **
spleen	<50>				<50>				<50>				<50>			
deposit of hemosiderin	12	5	0	0	19	4	0	0	23	4	0	0	41	4	0	0 **
extramedullary hematopoiesis	10	3	10	0	7	3	3	0	13	13	8	0 *	9	26	8	0 **
stomach	<50>				<50>				<50>				<50>			
hyperplasia:glandular stomach	11	26	9	0	17	25	7	0	16	24	4	0	20	20	0	0 **
liver	<50>				<50>				<50>				<50>			
granulation	10	14	0	0	11	16	0	0	7	5	0	0 *	0	0	0	0 **
hepatocellular hypertrophy:central	0	0	0	0	0	0	0	0	15	14	0	0 **	1	32	4	0 **
kidney	<50>				<50>				<50>				<50>			
deposit of hemosiderin	0	0	0	0	0	0	0	0	1	0	3	0	2	3	12	0 **
pituitary gland	<50>				<50>				<50>				<50>			
hyperplasia	2	0	0	0	3	0	0	0	0	4	0	0 *	0	0	0	0
adrenal gland	<50>				<50>				<50>				<50>			
spindle-cell hyperplasia	7	39	4	0	9	37	3	0	8	38	1	0	37	10	0	0 **
ovary	<50>				<50>				<50>				<50>			
cyst	8	2	0	0	9	0	0	0	4	0	0	0	0	0	1	0 **
uterus	<50>				<50>				<50>				<50>			
cystic endometrial hyperplasia	18	12	0	0	23	14	1	0	20	7	2	0	4	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 17 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. (%)
Liver	1696			
Hepatocellular adenoma		315	18.6	4 - 36
Hepatocellular carcinoma		326	19.2	2 - 42
Hepatoblastoma		13	0.8	0 - 6

34 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 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. (%)
Liver	1697			
Hepatocellular adenoma		102	6.0	0 - 16
Hepatocellular carcinoma		40	2.4	0 - 8

34 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 19 CAUSE OF DEATH OF MICE IN THE 2-YEAR FEED STUDY OF 1-CHLORO-2-NITROBENZENE

	Male				Female			
Group name	Control	100 ppm	500 ppm	2500 ppm	Control	100 ppm	500 ppm	2500 ppm
Number of dead or moribund animals	15	15	33	42	21	16	24	45
No microscopical confirmation	0	1	0	2	0	0	0	0
integumentary system lesion	0	0	1	0	0	0	0	0
cardiovascular lesion	0	1	0	0	0	0	0	0
digestive system lesion	0	0	0	0	0	0	1	0
hemorrhage	0	0	1	0	0	0	0	0
urinary retention	1	3	0	0	0	0	0	0
hydronephrosis	0	1	0	0	0	0	0	0
renal lesion	0	0	0	0	0	1	0	0
Tumor death : leukemia	3	3	1	0	8	8	7	2
subcutis	1	0	1	0	1	0	1	0
lung	0	1	0	0	0	0	0	0
spleen	0	2	0	0	0	0	0	0
salivary gland	1	0	0	0	0	0	0	0
small intestine	0	0	0	0	1	0	0	0
liver	7	2	29	40	1	1	7	39
adrenal gland	1	0	0	0	0	1	0	0
epididymis	1	1	0	0	0	0	0	0
ovary	—	—	—	—	0	0	0	1
uterus	—	—	—	—	9	5	8	3
peripheral nerves	0	0	0	0	1	0	0	0