2-フェノキシエタノールのマウスを用いた
経口投与によるがん原性試験（混水試験）報告書

試験番号：0498

TABLES

TABLES

TABLES (CONTINUED)

TABLE 1 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES OF MALE MICE IN THE 2-YEAR DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Week on Study	Control		5000 ppm			10000 ppm			20000 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	23.8 (50)	50 / 50	23.8 (50)	100	50 / 50	23.8 (50)	100	50 / 50	23.8 (50)	100	50 / 50
1	24.4 (50)	50 / 50	24.4 (50)	100	50 / 50	24.0 (50)	98	50 / 50	23.0 (50)	94	50 / 50
2	25.3 (50)	50 / 50	25.4 (50)	100	50 / 50	24.9 (50)	98	50 / 50	24.0 (50)	95	50 / 50
3	26.2 (50)	50 / 50	26.2 (50)	100	50 / 50	25.7 (50)	98	50 / 50	24.8 (50)	95	50 / 50
4	27.2 (50)	50 / 50	27.1 (50)	100	50 / 50	26.4 (50)	97	50 / 50	25.7 (50)	94	50 / 50
5	27.8 (50)	50 / 50	27.7 (50)	100	50 / 50	27.0 (50)	97	50 / 50	26.1 (50)	94	50 / 50
6	28.6 (50)	50 / 50	28.5 (50)	100	50 / 50	27.5 (50)	96	50 / 50	26.6 (50)	93	50 / 50
7	29.4 (50)	50 / 50	29.0 (50)	99	50 / 50	27.9 (50)	95	50 / 50	27.0 (50)	92	50 / 50
8	30.2 (50)	50 / 50	30.0 (50)	99	50 / 50	28.6 (50)	95	50 / 50	27.3 (50)	90	50 / 50
9	30.8 (50)	50 / 50	30.4 (50)	99	50 / 50	29.1 (50)	94	50 / 50	27.6 (50)	90	50 / 50
10	31.5 (50)	50 / 50	31.4 (50)	100	50 / 50	29.9 (50)	95	50 / 50	28.1 (50)	89	50 / 50
11	32.2 (50)	50 / 50	31.9 (50)	99	50 / 50	30.3 (50)	94	50 / 50	28.2 (50)	88	50 / 50
12	32.7 (50)	50 / 50	32.5 (50)	99	50 / 50	30.9 (50)	94	50 / 50	28.6 (50)	87	50 / 50
13	33.7 (50)	50 / 50	33.2 (50)	99	50 / 50	31.5 (50)	93	50 / 50	29.1 (50)	86	50 / 50
17	35.5 (50)	50 / 50	35.9 (50)	101	50 / 50	33.4 (50)	94	50 / 50	30.4 (50)	86	50 / 50
21	37.6 (50)	50 / 50	37.4 (50)	99	50 / 50	34.8 (50)	93	50 / 50	30.6 (50)	81	50 / 50
25	39.1 (50)	50 / 50	39.7 (49)	102	49 / 50	36.3 (50)	93	50 / 50	31.3 (49)	80	49 / 50
29	41.3 (50)	50 / 50	41.6 (49)	101	49 / 50	37.7 (50)	91	50 / 50	32.8 (49)	79	49 / 50
33	42.6 (50)	50 / 50	43.1 (49)	101	49 / 50	38.6 (50)	91	50 / 50	33.9 (48)	80	48 / 50
37	44.2 (50)	50 / 50	44.2 (49)	100	49 / 50	39.4 (50)	89	50 / 50	34.5 (48)	78	48 / 50
41	45.4 (50)	50 / 50	45.6 (49)	100	49 / 50	40.4 (50)	89	50 / 50	35.4 (48)	78	48 / 50
45	46.4 (50)	50 / 50	46.6 (49)	100	49 / 50	41.0 (50)	88	50 / 50	35.4 (48)	76	48 / 50
49	47.2 (50)	50 / 50	47.6 (49)	101	49 / 50	41.6 (50)	88	50 / 50	36.1 (48)	76	48 / 50
53	47.6 (49)	49 / 50	48.3 (49)	101	49 / 50	42.1 (50)	88	50 / 50	36.1 (48)	76	48 / 50
57	47.9 (48)	48 / 50	49.0 (49)	102	49 / 50	42.5 (50)	89	50 / 50	36.5 (48)	76	48 / 50
61	48.4 (48)	48 / 50	49.6 (49)	102	49 / 50	43.1 (50)	89	50 / 50	36.6 (48)	76	48 / 50
65	48.7 (48)	48 / 50	50.2 (49)	103	49 / 50	43.1 (50)	89	50 / 50	36.6 (48)	75	48 / 50
69	49.3 (48)	48 / 50	50.8 (49)	103	49 / 50	43.7 (50)	89	50 / 50	36.7 (48)	74	48 / 50
73	48.9 (46)	46 / 50	50.8 (49)	104	49 / 50	43.7 (50)	89	50 / 50	36.6 (48)	75	48 / 50
77	48.4 (45)	45 / 50	50.9 (49)	105	49 / 50	43.5 (50)	90	50 / 50	35.9 (48)	74	48 / 50
78	49.8 (42)	42 / 50	51.0 (49)	102	49 / 50	43.7 (50)	88	50 / 50	36.5 (47)	73	47 / 50
82	49.8 (42)	42 / 50	51.0 (48)	102	48 / 50	43.6 (50)	88	50 / 50	36.3 (47)	73	47 / 50
86	50.1 (40)	40 / 50	51.5 (46)	103	46 / 50	43.5 (48)	87	48 / 50	35.8 (45)	71	45 / 50
90	50.6 (38)	38 / 50	51.4 (44)	102	44 / 50	43.7 (47)	86	47 / 50	36.2 (43)	72	43 / 50
94	50.4 (38)	38 / 50	50.9 (42)	101	42 / 50	43.7 (46)	87	46 / 50	36.5 (42)	72	42 / 50
98	50.0 (38)	38 / 50	49.5 (41)	99	41 / 50	42.9 (43)	86	43 / 50	35.9 (42)	72	42 / 50
102	48.1 (38)	38 / 50	48.9 (35)	102	35 / 50	42.0 (42)	87	42 / 50	35.1 (41)	73	41 / 50
104	48.5 (35)	35 / 50	47.7 (35)	98	35 / 50	40.9 (42)	84	42 / 50	35.2 (41)	73	41 / 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 DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Week on Study	Control		5000 ppm			10000 ppm			20000 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	19.5 (50)	50 / 50	19.5 (50)	100	50 / 50	19.5 (50)	100	50 / 50	19.5 (50)	100	50 / 50
1	19.9 (50)	50 / 50	19.8 (50)	99	50 / 50	19.8 (50)	99	50 / 50	18.4 (50)	92	50 / 50
2	20.4 (50)	50 / 50	20.4 (50)	100	50 / 50	20.3 (50)	100	50 / 50	19.6 (50)	96	50 / 50
3	21.0 (50)	50 / 50	21.0 (50)	100	50 / 50	21.0 (50)	100	50 / 50	20.5 (50)	98	50 / 50
4	21.7 (50)	50 / 50	21.6 (50)	100	50 / 50	21.6 (50)	100	50 / 50	21.2 (50)	98	50 / 50
5	22.3 (50)	50 / 50	22.0 (50)	99	50 / 50	22.0 (50)	99	50 / 50	21.4 (50)	96	50 / 50
6	22.7 (50)	50 / 50	22.6 (50)	100	50 / 50	22.5 (50)	99	50 / 50	21.9 (50)	96	50 / 50
7	23.3 (50)	50 / 50	23.2 (50)	100	50 / 50	23.0 (50)	99	50 / 50	22.4 (50)	96	50 / 50
8	23.7 (50)	50 / 50	23.6 (50)	100	50 / 50	23.3 (50)	98	50 / 50	22.7 (50)	96	50 / 50
9	24.3 (50)	50 / 50	24.1 (50)	99	50 / 50	24.1 (50)	99	50 / 50	23.2 (50)	95	50 / 50
10	24.4 (50)	50 / 50	24.5 (50)	100	50 / 50	24.2 (50)	99	50 / 50	23.2 (50)	95	50 / 50
11	24.7 (50)	50 / 50	24.5 (50)	99	50 / 50	24.5 (50)	99	50 / 50	23.5 (50)	95	50 / 50
12	24.9 (50)	50 / 50	24.7 (50)	99	50 / 50	24.5 (50)	98	50 / 50	23.7 (50)	95	50 / 50
13	25.6 (50)	50 / 50	25.3 (50)	99	50 / 50	24.7 (50)	96	50 / 50	23.9 (50)	93	50 / 50
17	26.6 (50)	50 / 50	26.6 (50)	100	50 / 50	25.7 (50)	97	50 / 50	24.7 (50)	93	50 / 50
21	27.8 (50)	50 / 50	27.8 (50)	100	50 / 50	26.8 (50)	96	50 / 50	24.9 (50)	90	50 / 50
25	28.7 (50)	50 / 50	28.1 (50)	98	50 / 50	27.4 (50)	95	50 / 50	25.2 (50)	88	50 / 50
29	29.7 (50)	50 / 50	29.4 (50)	99	50 / 50	28.3 (50)	95	50 / 50	26.1 (50)	88	50 / 50
33	31.1 (50)	50 / 50	30.1 (50)	97	50 / 50	28.7 (50)	92	50 / 50	25.9 (50)	83	50 / 50
37	31.3 (50)	50 / 50	31.2 (50)	100	50 / 50	29.4 (50)	94	50 / 50	26.3 (50)	84	50 / 50
41	32.7 (49)	49 / 50	31.8 (50)	97	50 / 50	29.9 (49)	91	49 / 50	26.2 (50)	80	50 / 50
45	33.2 (47)	47 / 50	32.6 (50)	98	50 / 50	30.5 (49)	92	49 / 50	26.3 (50)	79	50 / 50
49	33.7 (47)	47 / 50	33.3 (50)	99	50 / 50	30.9 (49)	92	49 / 50	26.8 (48)	80	48 / 50
53	34.1 (47)	47 / 50	33.6 (50)	99	50 / 50	31.7 (48)	93	48 / 50	26.8 (48)	79	48 / 50
57	34.5 (47)	47 / 50	34.3 (48)	99	48 / 50	31.8 (48)	92	48 / 50	27.3 (47)	79	47 / 50
61	34.7 (47)	47 / 50	34.3 (48)	99	48 / 50	32.1 (48)	93	48 / 50	27.2 (47)	78	47 / 50
65	35.1 (46)	46 / 50	34.8 (48)	99	48 / 50	32.4 (48)	92	48 / 50	27.2 (46)	77	46 / 50
69	35.4 (46)	46 / 50	35.2 (48)	99	48 / 50	32.8 (48)	93	48 / 50	27.7 (45)	78	45 / 50
73	35.5 (45)	45 / 50	35.0 (48)	99	48 / 50	32.7 (48)	92	48 / 50	27.5 (45)	77	45 / 50
77	35.7 (44)	44 / 50	35.1 (47)	98	47 / 50	33.0 (47)	92	47 / 50	27.3 (44)	76	44 / 50
78	35.9 (44)	44 / 50	35.2 (47)	98	47 / 50	32.8 (45)	91	45 / 50	27.3 (44)	76	44 / 50
82	35.6 (43)	43 / 50	35.5 (47)	100	47 / 50	33.1 (44)	93	44 / 50	28.0 (43)	79	43 / 50
86	36.4 (39)	39 / 50	35.7 (45)	98	45 / 50	33.1 (43)	91	43 / 50	27.9 (43)	77	43 / 50
90	36.5 (37)	37 / 50	36.4 (44)	100	44 / 50	33.4 (41)	92	41 / 50	27.9 (40)	76	40 / 50
94	36.1 (33)	33 / 50	35.4 (39)	98	39 / 50	33.5 (40)	93	40 / 50	27.8 (38)	77	38 / 50
98	35.5 (29)	29 / 50	35.1 (37)	99	37 / 50	32.7 (35)	92	35 / 50	27.8 (37)	78	37 / 50
102	34.4 (25)	25 / 50	34.6 (36)	101	36 / 50	32.5 (33)	94	33 / 50	27.2 (35)	79	35 / 50
104	34.7 (24)	24 / 50	34.7 (34)	100	34 / 50	32.0 (32)	92	32 / 50	27.4 (34)	79	34 / 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 DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Week on Study	Control		5000 ppm			10000 ppm			20000 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	4.1 (50)	50 / 50	4.0 (50)	98	50 / 50	3.8 (50)	93	50 / 50	3.3 (50)	80	50 / 50
2	3.9 (50)	50 / 50	3.9 (50)	100	50 / 50	3.8 (50)	97	50 / 50	3.6 (50)	92	50 / 50
3	4.0 (50)	50 / 50	3.9 (50)	98	50 / 50	3.8 (50)	95	50 / 50	3.7 (50)	93	50 / 50
4	4.1 (50)	50 / 50	4.0 (50)	98	50 / 50	3.9 (50)	95	50 / 50	3.8 (50)	93	50 / 50
5	4.1 (50)	50 / 50	4.0 (50)	98	50 / 50	4.0 (50)	98	50 / 50	3.8 (50)	93	50 / 50
6	4.1 (50)	50 / 50	4.0 (50)	98	50 / 50	3.9 (50)	95	50 / 50	3.7 (50)	90	50 / 50
7	4.1 (50)	50 / 50	4.0 (50)	98	50 / 50	3.9 (50)	95	50 / 50	3.7 (50)	90	50 / 50
8	4.2 (50)	50 / 50	4.2 (50)	100	50 / 50	4.0 (50)	95	50 / 50	3.7 (50)	88	50 / 50
9	4.1 (50)	50 / 50	4.1 (50)	100	50 / 50	4.1 (50)	100	50 / 50	3.7 (50)	90	50 / 50
10	4.1 (50)	50 / 50	4.1 (50)	100	50 / 50	4.1 (50)	100	50 / 50	3.8 (50)	93	50 / 50
11	4.2 (50)	50 / 50	4.2 (50)	100	50 / 50	4.2 (50)	100	50 / 50	4.0 (50)	95	50 / 50
12	4.3 (50)	50 / 50	4.4 (50)	102	50 / 50	4.3 (50)	100	50 / 50	4.0 (50)	93	50 / 50
13	4.3 (50)	50 / 50	4.3 (50)	100	50 / 50	4.3 (50)	100	50 / 50	3.9 (50)	91	50 / 50
17	4.1 (50)	50 / 50	4.2 (50)	102	50 / 50	4.2 (50)	102	50 / 50	3.8 (50)	93	50 / 50
21	4.2 (50)	50 / 50	4.2 (50)	100	50 / 50	4.1 (50)	98	50 / 50	3.7 (50)	88	50 / 50
25	4.1 (50)	50 / 50	4.2 (49)	102	49 / 50	4.0 (50)	98	50 / 50	3.7 (49)	90	49 / 50
29	4.3 (50)	50 / 50	4.3 (49)	100	49 / 50	4.0 (50)	93	50 / 50	3.8 (49)	88	49 / 50
33	4.2 (50)	50 / 50	4.2 (49)	100	49 / 50	3.9 (50)	93	50 / 50	3.6 (48)	86	48 / 50
37	4.3 (50)	50 / 50	4.2 (49)	98	49 / 50	4.0 (50)	93	50 / 50	3.7 (48)	86	48 / 50
41	4.5 (50)	50 / 50	4.4 (49)	98	49 / 50	4.2 (50)	93	50 / 50	3.9 (48)	87	48 / 50
45	4.5 (50)	50 / 50	4.5 (49)	100	49 / 50	4.2 (50)	93	50 / 50	3.8 (48)	84	48 / 50
49	4.5 (50)	50 / 50	4.5 (49)	100	49 / 50	4.2 (50)	93	50 / 50	3.8 (48)	84	48 / 50
53	4.5 (49)	49 / 50	4.6 (49)	102	49 / 50	4.3 (50)	96	50 / 50	3.9 (48)	87	48 / 50
57	4.6 (48)	48 / 50	4.7 (49)	102	49 / 50	4.4 (50)	96	50 / 50	4.0 (48)	87	48 / 50
61	4.6 (48)	48 / 50	4.7 (49)	102	49 / 50	4.4 (50)	96	50 / 50	3.9 (48)	85	48 / 50
65	4.7 (48)	48 / 50	4.7 (49)	100	49 / 50	4.3 (50)	91	50 / 50	3.9 (48)	83	48 / 50
69	4.6 (48)	48 / 50	4.6 (49)	100	49 / 50	4.3 (50)	93	50 / 50	3.8 (48)	83	48 / 50
73	4.6 (46)	46 / 50	4.6 (49)	100	49 / 50	4.3 (50)	93	50 / 50	3.9 (48)	85	48 / 50
77	4.5 (45)	45 / 50	4.6 (49)	102	49 / 50	4.3 (50)	96	50 / 50	3.8 (48)	84	48 / 50
78	4.7 (42)	42 / 50	4.7 (49)	100	49 / 50	4.3 (50)	91	50 / 50	3.8 (47)	81	47 / 50
82	4.8 (42)	42 / 50	4.7 (48)	98	48 / 50	4.3 (50)	90	50 / 50	3.9 (47)	81	47 / 50
86	4.8 (40)	40 / 50	4.9 (46)	102	46 / 50	4.4 (48)	92	48 / 50	3.9 (45)	81	45 / 50
90	5.0 (38)	38 / 50	5.0 (44)	100	44 / 50	4.5 (47)	90	47 / 50	3.9 (43)	78	43 / 50
94	4.8 (38)	38 / 50	4.7 (42)	98	42 / 50	4.3 (46)	90	46 / 50	4.1 (42)	85	42 / 50
98	4.8 (38)	38 / 50	4.7 (41)	98	41 / 50	4.3 (43)	90	43 / 50	3.9 (42)	81	42 / 50
102	4.8 (38)	38 / 50	4.8 (35)	100	35 / 50	4.3 (42)	90	42 / 50	4.0 (41)	83	41 / 50
104	4.7 (35)	35 / 50	4.5 (35)	96	35 / 50	4.2 (42)	89	42 / 50	4.0 (41)	85	41 / 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 DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Week on Study	Control		5000 ppm			10000 ppm			20000 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	3.4 (50)	50 / 50	3.3 (50)	97	50 / 50	3.2 (50)	94	50 / 50	2.6 (50)	76	50 / 50
2	3.3 (50)	50 / 50	3.3 (50)	100	50 / 50	3.3 (50)	100	50 / 50	3.2 (50)	97	50 / 50
3	3.3 (50)	50 / 50	3.3 (50)	100	50 / 50	3.3 (50)	100	50 / 50	3.1 (50)	94	50 / 50
4	3.4 (50)	50 / 50	3.4 (50)	100	50 / 50	3.4 (50)	100	50 / 50	3.3 (50)	97	50 / 50
5	3.5 (50)	50 / 50	3.5 (50)	100	50 / 50	3.5 (50)	100	50 / 50	3.3 (50)	94	50 / 50
6	3.5 (50)	50 / 50	3.5 (50)	100	50 / 50	3.5 (50)	100	50 / 50	3.3 (50)	94	50 / 50
7	3.6 (50)	50 / 50	3.6 (50)	100	50 / 50	3.6 (50)	100	50 / 50	3.4 (50)	94	50 / 50
8	3.6 (50)	50 / 50	3.6 (50)	100	50 / 50	3.7 (50)	103	50 / 50	3.4 (50)	94	50 / 50
9	3.7 (50)	50 / 50	3.7 (50)	100	50 / 50	3.8 (50)	103	50 / 50	3.5 (50)	95	50 / 50
10	3.7 (50)	50 / 50	3.8 (50)	103	50 / 50	3.7 (50)	100	50 / 50	3.5 (50)	95	50 / 50
11	3.8 (50)	50 / 50	3.7 (50)	97	50 / 50	3.8 (50)	100	50 / 50	3.6 (50)	95	50 / 50
12	3.9 (50)	50 / 50	3.9 (50)	100	50 / 50	3.9 (50)	100	50 / 50	3.7 (50)	95	50 / 50
13	3.8 (50)	50 / 50	3.9 (50)	103	50 / 50	3.9 (50)	103	50 / 50	3.7 (50)	97	50 / 50
17	3.7 (50)	50 / 50	3.8 (50)	103	50 / 50	3.7 (50)	100	50 / 50	3.5 (50)	95	50 / 50
21	3.8 (50)	50 / 50	3.9 (50)	103	50 / 50	3.8 (50)	100	50 / 50	3.5 (50)	92	50 / 50
25	3.7 (50)	50 / 50	3.6 (50)	97	50 / 50	3.6 (50)	97	50 / 50	3.2 (50)	86	50 / 50
29	3.8 (50)	50 / 50	3.8 (50)	100	50 / 50	3.7 (50)	97	50 / 50	3.5 (50)	92	50 / 50
33	3.7 (50)	50 / 50	3.6 (50)	97	50 / 50	3.5 (50)	95	50 / 50	3.3 (50)	89	50 / 50
37	3.6 (50)	50 / 50	3.7 (50)	103	50 / 50	3.7 (50)	103	50 / 50	3.4 (50)	94	50 / 50
41	4.0 (49)	49 / 50	3.9 (50)	98	50 / 50	3.7 (49)	93	49 / 50	3.4 (50)	85	50 / 50
45	4.0 (47)	47 / 50	4.0 (50)	100	50 / 50	3.7 (49)	93	49 / 50	3.5 (50)	88	50 / 50
49	3.9 (47)	47 / 50	3.9 (50)	100	50 / 50	3.8 (49)	97	49 / 50	3.5 (48)	90	48 / 50
53	4.1 (47)	47 / 50	3.9 (50)	95	50 / 50	4.0 (48)	98	48 / 50	3.6 (48)	88	48 / 50
57	4.2 (47)	47 / 50	4.1 (48)	98	48 / 50	4.0 (48)	95	48 / 50	3.7 (47)	88	47 / 50
61	4.0 (47)	47 / 50	4.0 (48)	100	48 / 50	3.9 (48)	98	48 / 50	3.5 (47)	88	47 / 50
65	4.2 (46)	46 / 50	4.2 (48)	100	48 / 50	3.9 (48)	93	48 / 50	3.6 (46)	86	46 / 50
69	4.0 (46)	46 / 50	4.1 (47)	103	48 / 50	3.9 (48)	98	48 / 50	3.5 (45)	88	45 / 50
73	3.9 (45)	45 / 50	4.0 (48)	103	48 / 50	3.9 (48)	100	48 / 50	3.5 (45)	90	45 / 50
77	4.2 (44)	44 / 50	4.0 (47)	95	47 / 50	3.9 (47)	93	47 / 50	3.6 (44)	86	44 / 50
78	4.1 (44)	44 / 50	3.9 (47)	95	47 / 50	3.7 (45)	90	45 / 50	3.5 (44)	85	44 / 50
82	4.2 (43)	43 / 50	4.1 (47)	98	47 / 50	4.0 (44)	95	44 / 50	3.8 (43)	90	43 / 50
86	4.4 (39)	39 / 50	4.1 (45)	93	45 / 50	4.0 (43)	91	43 / 50	3.9 (43)	89	43 / 50
90	4.4 (37)	37 / 50	4.4 (44)	100	44 / 50	4.1 (41)	93	41 / 50	3.8 (40)	86	40 / 50
94	4.3 (33)	33 / 50	4.1 (39)	95	39 / 50	4.1 (40)	95	40 / 50	3.8 (38)	88	38 / 50
98	4.3 (29)	29 / 50	4.3 (37)	100	37 / 50	4.0 (35)	93	35 / 50	3.9 (37)	91	37 / 50
102	4.4 (25)	25 / 50	4.3 (36)	98	36 / 50	4.1 (33)	93	33 / 50	3.8 (35)	86	35 / 50
104	4.5 (24)	24 / 50	4.2 (34)	93	34 / 50	3.8 (32)	84	32 / 50	3.8 (34)	84	34 / 50

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

TABLE 5 WATER CONSUMPTION CHANGES OF MALE MICE IN THE 2-YEAR DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Week on Study	Control			5000 ppm			10000 ppm			20000 ppm		
	Av. WC.		No. of Surviv.	Av. WC.	% of cont.	No. of Surviv.	Av. WC.	% of cont.	No. of Surviv.	Av. WC.	% of cont.	No. of Surviv.
	<50>			<50>			<50>			<50>		
1	5.1 (50)		50 / 50	4.5 (50)	88	50 / 50	3.6 (50)	71	50 / 50	3.0 (50)	59	50 / 50
2	5.0 (49)		50 / 50	4.5 (49)	90	50 / 50	3.7 (50)	74	50 / 50	2.7 (50)	54	50 / 50
3	5.2 (49)		50 / 50	4.6 (50)	88	50 / 50	3.9 (50)	75	50 / 50	3.0 (50)	58	50 / 50
4	5.0 (50)		50 / 50	4.5 (50)	90	50 / 50	3.7 (50)	74	50 / 50	2.8 (50)	56	50 / 50
5	4.8 (49)		50 / 50	4.5 (50)	94	50 / 50	3.9 (50)	81	50 / 50	2.9 (50)	60	50 / 50
6	4.6 (48)		50 / 50	4.5 (50)	98	50 / 50	3.9 (50)	85	50 / 50	2.8 (50)	61	50 / 50
7	4.6 (50)		50 / 50	4.3 (50)	93	50 / 50	3.7 (50)	80	50 / 50	2.8 (50)	61	50 / 50
8	4.5 (49)		50 / 50	4.3 (50)	96	50 / 50	3.6 (50)	80	50 / 50	2.7 (50)	60	50 / 50
9	4.5 (50)		50 / 50	4.3 (50)	96	50 / 50	3.7 (50)	82	50 / 50	2.7 (50)	60	50 / 50
10	4.6 (50)		50 / 50	4.3 (50)	93	50 / 50	3.7 (50)	80	50 / 50	2.8 (50)	61	50 / 50
11	4.4 (50)		50 / 50	4.4 (50)	100	50 / 50	3.6 (50)	82	50 / 50	2.8 (50)	64	50 / 50
12	4.3 (50)		50 / 50	4.1 (50)	95	50 / 50	3.5 (50)	81	50 / 50	2.7 (50)	63	50 / 50
13	4.0 (50)		50 / 50	4.0 (50)	100	50 / 50	3.4 (50)	85	50 / 50	2.7 (50)	68	50 / 50
17	4.0 (50)		50 / 50	3.8 (50)	95	50 / 50	3.2 (50)	80	50 / 50	2.6 (50)	65	50 / 50
21	4.2 (50)		50 / 50	4.0 (50)	95	50 / 50	3.4 (49)	81	50 / 50	2.9 (50)	69	50 / 50
25	3.9 (50)		50 / 50	3.8 (49)	97	49 / 50	3.2 (50)	82	50 / 50	2.7 (49)	69	49 / 50
29	3.9 (50)		50 / 50	3.6 (49)	92	49 / 50	3.0 (50)	77	50 / 50	2.5 (49)	64	49 / 50
33	3.9 (50)		50 / 50	3.6 (49)	92	49 / 50	3.1 (50)	79	50 / 50	2.7 (48)	69	48 / 50
37	3.8 (50)		50 / 50	3.6 (49)	95	49 / 50	2.9 (50)	76	50 / 50	2.5 (48)	66	48 / 50
41	3.8 (50)		50 / 50	3.7 (49)	97	49 / 50	3.0 (50)	79	50 / 50	2.6 (48)	68	48 / 50
45	4.0 (50)		50 / 50	3.7 (49)	93	49 / 50	3.1 (50)	78	50 / 50	2.7 (48)	68	48 / 50
49	4.1 (50)		50 / 50	3.8 (49)	93	49 / 50	3.2 (50)	78	50 / 50	2.8 (48)	68	48 / 50
53	4.1 (49)		49 / 50	3.8 (49)	93	49 / 50	3.2 (50)	78	50 / 50	2.7 (48)	66	48 / 50
57	4.2 (48)		48 / 50	3.9 (49)	93	49 / 50	3.2 (50)	76	50 / 50	2.8 (48)	67	48 / 50
61	4.2 (48)		48 / 50	3.8 (49)	90	49 / 50	3.3 (50)	79	50 / 50	2.6 (48)	62	48 / 50
65	4.4 (48)		48 / 50	4.0 (49)	91	49 / 50	3.5 (50)	80	50 / 50	2.9 (48)	66	48 / 50
69	4.4 (48)		48 / 50	4.1 (49)	93	49 / 50	3.5 (50)	80	50 / 50	2.8 (48)	64	48 / 50
73	4.5 (46)		46 / 50	4.0 (49)	89	49 / 50	3.5 (50)	78	50 / 50	3.0 (48)	67	48 / 50
77	4.6 (45)		45 / 50	4.2 (49)	91	49 / 50	3.6 (50)	78	50 / 50	3.1 (48)	67	48 / 50
78	4.7 (42)		42 / 50	4.3 (49)	91	49 / 50	3.7 (50)	79	50 / 50	3.2 (47)	68	47 / 50
82	4.5 (41)		42 / 50	4.0 (48)	89	48 / 50	3.5 (50)	78	50 / 50	2.9 (47)	64	47 / 50
86	4.6 (40)		40 / 50	4.3 (46)	93	46 / 50	3.8 (48)	83	48 / 50	3.0 (45)	65	45 / 50
90	4.5 (36)		38 / 50	4.1 (43)	91	44 / 50	3.8 (47)	84	47 / 50	3.0 (43)	67	43 / 50
94	4.5 (36)		38 / 50	4.0 (41)	89	42 / 50	3.6 (46)	80	46 / 50	3.2 (42)	71	42 / 50
98	4.8 (37)		38 / 50	4.2 (39)	88	41 / 50	3.8 (42)	79	43 / 50	3.2 (42)	67	42 / 50
102	4.7 (34)		38 / 50	4.2 (35)	89	35 / 50	3.7 (42)	79	42 / 50	3.1 (41)	66	41 / 50
104	4.8 (32)		35 / 50	4.1 (35)	85	35 / 50	3.8 (42)	79	42 / 50	3.3 (41)	69	41 / 50

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

TABLE 6 WATER CONSUMPTION CHANGES OF FEMALE MICE IN THE 2-YEAR DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Week on Study	Control		5000 ppm			10000 ppm			20000 ppm		
	Av. WC.	No. of Surviv. <50>	Av. WC.	% of cont.	No. of Surviv. <50>	Av. WC.	% of cont.	No. of Surviv. <50>	Av. WC.	% of cont.	No. of Surviv. <50>
1	4.2 (50)	50 / 50	3.8 (50)	90	50 / 50	2.9 (49)	69	50 / 50	2.5 (50)	60	50 / 50
2	4.2 (50)	50 / 50	3.7 (50)	88	50 / 50	3.1 (50)	74	50 / 50	2.3 (49)	55	50 / 50
3	4.2 (50)	50 / 50	3.8 (50)	90	50 / 50	3.2 (50)	76	50 / 50	2.5 (50)	60	50 / 50
4	4.3 (50)	50 / 50	3.9 (50)	91	50 / 50	3.3 (50)	77	50 / 50	2.6 (50)	60	50 / 50
5	4.2 (50)	50 / 50	3.8 (50)	90	50 / 50	3.4 (50)	81	50 / 50	2.6 (50)	62	50 / 50
6	4.2 (50)	50 / 50	3.9 (50)	93	50 / 50	3.3 (50)	79	50 / 50	2.6 (50)	62	50 / 50
7	4.2 (50)	50 / 50	3.7 (50)	88	50 / 50	3.3 (50)	79	50 / 50	2.6 (50)	62	50 / 50
8	4.3 (50)	50 / 50	3.8 (50)	88	50 / 50	3.3 (50)	77	50 / 50	2.6 (50)	60	50 / 50
9	4.4 (50)	50 / 50	4.0 (50)	91	50 / 50	3.5 (50)	80	50 / 50	2.8 (50)	64	50 / 50
10	4.4 (50)	50 / 50	4.0 (50)	91	50 / 50	3.4 (50)	77	50 / 50	2.7 (49)	61	50 / 50
11	4.2 (50)	50 / 50	3.8 (50)	90	50 / 50	3.4 (50)	81	50 / 50	2.7 (50)	64	50 / 50
12	4.3 (50)	50 / 50	3.9 (50)	91	50 / 50	3.5 (50)	81	50 / 50	2.8 (50)	65	50 / 50
13	4.2 (50)	50 / 50	3.8 (50)	90	50 / 50	3.2 (50)	76	50 / 50	2.7 (50)	64	50 / 50
17	4.2 (50)	50 / 50	3.7 (50)	88	50 / 50	3.2 (50)	76	50 / 50	2.8 (50)	67	50 / 50
21	4.3 (50)	50 / 50	3.7 (50)	86	50 / 50	3.3 (50)	77	50 / 50	3.0 (50)	70	50 / 50
25	4.2 (50)	50 / 50	3.5 (50)	83	50 / 50	3.0 (50)	71	50 / 50	2.7 (50)	64	50 / 50
29	4.0 (49)	50 / 50	3.4 (50)	85	50 / 50	3.0 (50)	75	50 / 50	2.6 (50)	65	50 / 50
33	4.1 (50)	50 / 50	3.5 (50)	85	50 / 50	2.9 (50)	71	50 / 50	2.6 (50)	63	50 / 50
37	3.9 (49)	50 / 50	3.5 (50)	90	50 / 50	3.0 (50)	77	50 / 50	2.6 (50)	67	50 / 50
41	4.2 (49)	49 / 50	3.5 (50)	83	50 / 50	3.0 (49)	71	49 / 50	2.4 (50)	57	50 / 50
45	4.2 (47)	47 / 50	3.6 (50)	86	50 / 50	3.1 (49)	74	49 / 50	2.5 (50)	60	50 / 50
49	4.2 (47)	47 / 50	3.5 (50)	83	50 / 50	3.0 (49)	71	49 / 50	2.5 (48)	60	48 / 50
53	4.3 (47)	47 / 50	3.5 (50)	81	50 / 50	3.1 (48)	72	48 / 50	2.6 (48)	60	48 / 50
57	4.4 (47)	47 / 50	3.6 (48)	82	48 / 50	3.1 (48)	70	48 / 50	2.6 (47)	59	47 / 50
61	4.3 (47)	47 / 50	3.5 (48)	81	48 / 50	3.0 (48)	70	48 / 50	2.5 (47)	58	47 / 50
65	4.4 (46)	46 / 50	3.6 (48)	82	48 / 50	3.1 (48)	70	48 / 50	2.7 (46)	61	46 / 50
69	4.4 (46)	46 / 50	3.5 (48)	80	48 / 50	3.2 (48)	73	48 / 50	2.7 (45)	61	45 / 50
73	4.3 (45)	45 / 50	3.5 (48)	81	48 / 50	3.0 (48)	70	48 / 50	2.6 (45)	60	45 / 50
77	4.3 (44)	44 / 50	3.4 (47)	79	47 / 50	3.0 (47)	70	47 / 50	2.7 (44)	63	44 / 50
78	4.2 (44)	44 / 50	3.5 (47)	83	47 / 50	2.9 (45)	69	45 / 50	2.7 (44)	64	44 / 50
82	4.3 (43)	43 / 50	3.4 (47)	79	47 / 50	3.2 (44)	74	44 / 50	2.8 (43)	65	43 / 50
86	4.2 (38)	39 / 50	3.4 (45)	81	45 / 50	3.1 (42)	74	43 / 50	2.7 (43)	64	43 / 50
90	4.2 (37)	37 / 50	3.4 (44)	81	44 / 50	3.1 (41)	74	41 / 50	2.7 (40)	64	40 / 50
94	4.4 (33)	33 / 50	3.4 (39)	77	39 / 50	3.3 (40)	75	40 / 50	2.8 (38)	64	38 / 50
98	4.9 (29)	29 / 50	3.6 (37)	73	37 / 50	3.1 (35)	63	35 / 50	2.9 (37)	59	37 / 50
102	4.6 (24)	25 / 50	3.7 (36)	80	36 / 50	3.3 (33)	72	33 / 50	2.9 (35)	63	35 / 50
104	4.6 (23)	24 / 50	3.8 (34)	83	34 / 50	3.2 (32)	70	32 / 50	2.9 (34)	63	34 / 50

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

TABLE 7 HEMATOLOGY OF MALE MICE IN THE 2-YEAR DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Group Name	Control	5000 ppm	10000 ppm	20000 ppm	
No. of examined animals	35	34	41	40	
WBC ($10^3/\mu$ L)	3.09 ± 1.56	3.53 ± 3.25	2.95 ± 1.55	2.28 ± 1.14	*

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

TABLE 8 HEMATOLOGY OF FEMALE MICE IN THE 2-YEAR DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Group Name	Control	5000 ppm	10000 ppm	20000 ppm	
No. of examined animals	22	34	32	34	
HEMATOCRIT (%)	40.0 ± 6.4	41.9 ± 4.8	42.6 ± 2.9	43.8 ± 2.8	*

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

TABLE 9 BIOCHEMISTRY OF MALE MICE IN THE 2-YEAR DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Group Name	Control	5000 ppm	10000 ppm		20000 ppm	
No. of examined animals	35	34	41		40	
A/G RATIO	1.1 ± 0.2	1.2 ± 0.2	1.2 ± 0.1	*	1.2 ± 0.2	**
T-CHOLESTEROL (mg/dL)	112 ± 44	108 ± 33	97 ± 24	*	100 ± 29	*
TRIGLYCERIDE (mg/dL)	39 ± 20	44 ± 34	34 ± 19		25 ± 14	**
PHOSPHOLIPID (mg/dL)	197 ± 68	191 ± 50	175 ± 35	*	181 ± 44	*
ALT (IU/L)	56 ± 78	49 ± 60	36 ± 45	**	30 ± 34	**
POTASSIUM (mEq/L)	4.2 ± 0.3	4.3 ± 0.6	4.1 ± 0.3		4.0 ± 0.4	*

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

TABLE 10 BIOCHEMISTRY OF FEMALE MICE IN THE 2-YEAR DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Group Name	Control	5000 ppm	10000 ppm	20000 ppm	
No. of examined animals	22	34	31	33	
A/G RATIO	1.2 ± 0.3	1.3 ± 0.2	1.3 ± 0.2	1.4 ± 0.2	*
TRIGLYCERIDE (mg/dL)	34 ± 27	36 ± 33	29 ± 17	18 ± 10	*
AST (IU/L)	125 ± 110	90 ± 40	109 ± 83	81 ± 58	**
ALT (IU/L)	48 ± 46	34 ± 19	49 ± 60	25 ± 15	**
LDH (IU/L)	809 ± 1860	484 ± 584	424 ± 641	245 ± 149	**
ALP (IU/L)	215 ± 112	168 ± 61	218 ± 67	239 ± 81	*
SODIUM (mEq/L)	152 ± 2	153 ± 2	153 ± 2	155 ± 2	**
CHLORIDE (mEq/L)	121 ± 4	121 ± 3	122 ± 2	123 ± 4	*
CALCIUM (mg/dL)	9.1 ± 0.7	9.0 ± 0.5	9.0 ± 0.4	8.8 ± 0.5	**

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

TABLE 11 URINALYSIS OF MALE MICE IN THE 2-YEAR DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Group Name		Control	5000 ppm	10000 ppm	20000 ppm
No. of examined animals		35	35	42	41
	Grade				
pH	5.0	0	0	0	0
	6.0	3	7	11	10
	6.5	8	13	26	22
	7.0	13	11	5	9
	7.5	8	4	0	0
	8.0	2	0	0	0
	8.5	1	0	0	0
	Chi square test			**	**

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

TABLE 12 URINALYSIS OF FEMALE MICE IN THE 2-YEAR DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Group Name		Control	5000 ppm	10000 ppm	20000 ppm
No. of examined animals		25	35	33	34
	Grade				
pH	5.0	0	0	0	0
	6.0	0	1	2	4
	6.5	4	6	10	12
	7.0	3	9	10	14
	7.5	3	10	10	4
	8.0	13	9	1	0
	8.5	2	0	0	0
	Chi square test			**	**
Ketone body	−	6	0	3	1
	±	10	14	5	13
	+	6	14	17	10
	2+	3	7	7	10
	3+	0	0	1	0
	4+	0	0	0	0
	Chi square test		*	*	

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

TABLE 13 ORGAN WEIGHTS OF MALE MICE IN THE 2-YEAR DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Group Name	Control	5000 ppm	10000 ppm		20000 ppm	
No. of examined animals	35	35	42		41	
Body weight (g)	45.0 ± 7.8	44.5 ± 8.0	37.9 ± 5.6	**	32.3 ± 4.3	**
Adrenals (g)	0.011 ± 0.002	0.011 ± 0.002	0.011 ± 0.002		0.011 ± 0.003	
Adrenals (%)	0.026 ± 0.007	0.025 ± 0.007	0.029 ± 0.007		0.035 ± 0.010	**
Testes (g)	0.233 ± 0.028	0.228 ± 0.025	0.256 ± 0.213		0.217 ± 0.027	
Testes (%)	0.532 ± 0.112	0.529 ± 0.117	0.699 ± 0.655	**	0.681 ± 0.123	**
Heart (g)	0.227 ± 0.021	0.221 ± 0.029	0.202 ± 0.020	**	0.185 ± 0.016	**
Heart (%)	0.520 ± 0.112	0.512 ± 0.111	0.542 ± 0.071		0.580 ± 0.066	**
Lungs (g)	0.200 ± 0.026	0.244 ± 0.126	0.212 ± 0.089		0.202 ± 0.078	**
Lungs (%)	0.456 ± 0.093	0.580 ± 0.431	0.571 ± 0.273	**	0.631 ± 0.240	**
Kidneys (g)	0.646 ± 0.044	0.668 ± 0.078	0.638 ± 0.059		0.840 ± 1.256	**
Kidneys (%)	1.476 ± 0.280	1.538 ± 0.274	1.707 ± 0.201	**	2.623 ± 3.835	**
Liver (g)	1.661 ± 0.458	1.985 ± 1.090	1.524 ± 0.381	*	1.379 ± 0.281	**
Liver (%)	3.826 ± 1.610	4.603 ± 2.639	4.095 ± 1.194	*	4.315 ± 1.005	**
Brain (g)	0.449 ± 0.015	0.445 ± 0.015	0.443 ± 0.017		0.436 ± 0.013	**
Brain (%)	1.027 ± 0.191	1.035 ± 0.212	1.192 ± 0.172	**	1.368 ± 0.169	**

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

TABLE 14 ORGAN WEIGHTS OF FEMALE MICE IN THE 2-YEAR DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Group Name	Control	5000 ppm	10000 ppm		20000 ppm	
No. of examined animals	24	34	32		34	
Body weight (g)	31.3 ± 5.3	31.9 ± 4.0	29.4 ± 4.1		24.8 ± 2.5	**
Heart (g)	0.182 ± 0.031	0.172 ± 0.020	0.163 ± 0.017	**	0.153 ± 0.018	**
Heart (%)	0.595 ± 0.136	0.542 ± 0.053	0.565 ± 0.090		0.621 ± 0.073	*
Lungs (g)	0.219 ± 0.079	0.200 ± 0.026	0.190 ± 0.019		0.188 ± 0.019	
Lungs (%)	0.717 ± 0.286	0.635 ± 0.109	0.658 ± 0.110		0.763 ± 0.087	**
Kidneys (g)	0.569 ± 0.356	0.461 ± 0.064	0.457 ± 0.042		0.444 ± 0.057	
Kidneys (%)	1.926 ± 1.548	1.461 ± 0.226	1.581 ± 0.222		1.807 ± 0.282	**
Spleen (g)	0.419 ± 0.967	0.210 ± 0.127	0.169 ± 0.165		0.118 ± 0.109	**
Spleen (%)	1.391 ± 3.281	0.657 ± 0.380	0.581 ± 0.564		0.486 ± 0.478	
Liver (g)	1.514 ± 0.365	1.659 ± 0.786	1.864 ± 2.509		1.190 ± 0.176	**
Liver (%)	4.906 ± 1.265	5.171 ± 2.049	6.144 ± 7.081		4.804 ± 0.529	
Brain (g)	0.466 ± 0.016	0.465 ± 0.016	0.461 ± 0.016		0.455 ± 0.017	
Brain (%)	1.522 ± 0.234	1.483 ± 0.210	1.599 ± 0.229		1.854 ± 0.166	**

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

TABLE 15 INCIDENCES OF SELECTED NEOPLASTIC LESIONS OF MALE MICE IN THE 2-YEAR DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Group Name	Control	5000 ppm	10000 ppm	20000 ppm	Peto test	Cochran-Armitage test
Number of examined animals	50	50	50	50		
liver	<50>	<50>	<50>	<50>		
hepatocellular adenoma 1)	17 (34 %)	14 (28 %)	7 (14 %) *	6 (12 %) **		↓ ↓
hepatocellular carcinoma 2)	3 (6 %)	3 (6 %)	1 (2 %)	1 (2 %)		
hepatoblastoma 3)	0 (0 %)	1 (2 %)	0 (0 %)	0 (0 %)		
1) + 2)	19 (38 %)	16 (32 %)	8 (16 %) *	7 (14 %) **		↓ ↓
1) + 2) + 3)	19 (38 %)	17 (34 %)	8 (16 %) *	7 (14 %) **		↓ ↓
all site	<50>	<50>	<50>	<50>		
malignant lymphoma	2 (4 %)	8 (16 %) *	8 (16 %) *	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 16 INCIDENCES OF SELECTED NON-NEOPLASTIC LESIONS OF MALE MICE IN THE 2-YEAR DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Group Name	Control				5000 ppm				10000 ppm				20000 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
adrenal	<50>				<50>				<50>				<50>			
spindle-cell hyperplasia	8	0	0	0	7	0	0	0	6	1	0	0	0	0	0	0 **

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

TABLE 17 INCIDENCES OF SELECTED NON-NEOPLASTIC LESIONS OF FEMALE MICE IN THE 2-YEAR DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Group Name	Control				5000 ppm				10000 ppm				20000 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
adrenal	<50>				<50>				<50>				<50>			
spindle-cell hyperplasia	23	0	0	0	26	0	0	0	34	0	0	0 *	29	0	0	0

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

TABLE 18 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. (%)
Lymph node	1796			
Malignant lymphoma		212	11.8	2 - 28
Thymus	1796			
Malignant lymphoma		2	0.1	0 - 2
Spleen	1795			
Malignant lymphoma		64	3.6	0 - 10
All site	1796			
Malignant lymphoma		278	15.5	2 - 28

36 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, 0458, 0462

TABLE 19 CAUSE OF DEATH OF MICE IN THE 2-YEAR DRINKING WATER STUDY OF 2-PHENOXYETHANOL

		Male				Female			
Group name		Control	5000 ppm	10000 ppm	20000 ppm	Control	5000 ppm	10000 ppm	20000 ppm
Number of dead or moribund animals		15	15	8	9	26	16	18	16
No microscopical confirmation		0	1	1	1	0	0	1	0
integumentary system lesion		1	1	0	0	0	0	0	0
hepatic lesion		0	0	0	0	1	0	0	0
renal lesion		1	1	0	0	1	0	1	0
hemorrhage		0	0	0	0	0	1	0	0
urinary retention		1	0	1	0	0	0	0	0
arteritis		0	0	0	1	0	0	2	1
tooth lesion		0	0	0	0	0	0	1	0
hydronephrosis		1	0	0	1	1	0	0	0
peritonitis		0	1	0	0	0	0	0	1
Tumor death :	leukemia	1	3	1	2	9	8	3	3
	subcutis	1	0	0	0	1	0	1	1
	nasal cavity	1	0	0	0	0	0	0	0
	lung	1	1	0	0	0	0	0	0
	spleen	1	0	0	0	1	0	0	1
	salivary gland	1	0	0	0	0	0	0	0
	stomach	0	1	0	0	0	0	0	0
	small intestine	0	0	0	0	0	0	0	1
	liver	4	5	4	2	1	1	2	1
	urinary bladder	0	1	0	0	0	0	0	0
	urethra	0	0	0	1	0	0	0	0
	pituitary gland	0	0	0	0	1	0	0	0
	epididymis	0	0	1	0	—	—	—	—
	ovary	—	—	—	—	0	1	0	0
	uterus	—	—	—	—	10	5	6	7
	brain	0	0	0	0	0	0	1	0
	peripheral nerves	0	0	0	1	0	0	0	0
	retroperitoneum	1	0	0	0	0	0	0	0