

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 13 週間毒性試験（混水試験）報告書

試験番号： 0460

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TABLE 13 ORGAN WEIGHTS OF FEMALE MICE IN THE 13-WEEK DRINKING WATER STUDY OF 2-PHENOXYETHANOL

TABLE 1 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES OF MALE MICE
IN THE 13-WEEK DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Week on Study	Control		1250 ppm			2500 ppm			5000 ppm			10000 ppm			20000 ppm		
	Av. Wt. <10>	No. of Surviv. <10>	Av. Wt. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Wt. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Wt. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Wt. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Wt. <10>	% of cont. <10>	No. of Surviv. <10>
0	23.4 (10)	10 / 10	23.3 (10)	100	10 / 10	23.3 (10)	100	10 / 10	23.4 (10)	100	10 / 10	23.3 (10)	100	10 / 10	23.3 (10)	100	10 / 10
1	24.4 (10)	10 / 10	24.4 (10)	100	10 / 10	24.4 (10)	100	10 / 10	24.2 (10)	99	10 / 10	24.2 (10)	99	10 / 10	22.7 (10)	93	10 / 10
2	25.4 (10)	10 / 10	25.0 (10)	98	10 / 10	25.3 (10)	100	10 / 10	25.1 (10)	99	10 / 10	25.1 (10)	99	10 / 10	24.0 (10)	94	10 / 10
3	26.3 (10)	10 / 10	26.2 (10)	100	10 / 10	26.8 (10)	102	10 / 10	26.1 (10)	99	10 / 10	26.2 (10)	100	10 / 10	24.9 (10)	95	10 / 10
4	27.2 (10)	10 / 10	26.6 (10)	98	10 / 10	27.0 (10)	99	10 / 10	26.7 (10)	98	10 / 10	26.7 (10)	98	10 / 10	25.3 (10)	93	10 / 10
5	27.9 (10)	10 / 10	27.3 (10)	98	10 / 10	27.8 (10)	100	10 / 10	27.6 (10)	99	10 / 10	27.2 (10)	97	10 / 10	25.7 (10)	92	10 / 10
6	28.5 (10)	10 / 10	27.8 (10)	98	10 / 10	28.6 (10)	100	10 / 10	28.0 (10)	98	10 / 10	27.7 (10)	97	10 / 10	26.2 (10)	92	10 / 10
7	28.7 (10)	10 / 10	28.4 (10)	99	10 / 10	29.2 (10)	102	10 / 10	28.3 (10)	99	10 / 10	28.0 (10)	98	10 / 10	26.1 (10)	91	10 / 10
8	29.6 (10)	10 / 10	28.8 (10)	97	10 / 10	29.5 (10)	100	10 / 10	29.2 (10)	99	10 / 10	28.7 (10)	97	10 / 10	27.0 (10)	91	10 / 10
9	30.4 (10)	10 / 10	29.5 (10)	97	10 / 10	30.0 (10)	99	10 / 10	29.6 (10)	97	10 / 10	29.6 (10)	97	10 / 10	26.6 (10)	88	10 / 10
10	31.0 (10)	10 / 10	30.2 (10)	97	10 / 10	31.0 (10)	100	10 / 10	30.5 (10)	98	10 / 10	30.4 (10)	98	10 / 10	27.3 (10)	88	10 / 10
11	31.8 (10)	10 / 10	30.2 (10)	95	10 / 10	31.4 (10)	99	10 / 10	30.9 (10)	97	10 / 10	30.6 (10)	96	10 / 10	27.5 (10)	86	10 / 10
12	32.2 (10)	10 / 10	31.1 (10)	97	10 / 10	32.0 (10)	99	10 / 10	31.4 (10)	98	10 / 10	31.3 (10)	97	10 / 10	28.0 (10)	87	10 / 10
13	32.7 (10)	10 / 10	31.6 (10)	97	10 / 10	32.9 (10)	101	10 / 10	31.7 (10)	97	10 / 10	31.6 (10)	97	10 / 10	28.6 (10)	87	10 / 10

< > : 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 13-WEEK DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Week on Study	Control		1250 ppm			2500 ppm			5000 ppm			10000 ppm			20000 ppm		
	Av. Wt. <10>	No. of Surviv. <10>	Av. Wt. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Wt. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Wt. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Wt. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Wt. <10>	% of cont. <10>	No. of Surviv. <10>
0	19.2 (10)	10 / 10	19.2 (10)	100	10 / 10	19.2 (10)	100	10 / 10	19.2 (10)	100	10 / 10	19.2 (10)	100	10 / 10	19.2 (10)	100	10 / 10
1	19.9 (10)	10 / 10	19.6 (10)	98	10 / 10	20.3 (10)	102	10 / 10	19.6 (10)	98	10 / 10	19.6 (10)	98	10 / 10	19.0 (10)	95	10 / 10
2	20.4 (10)	10 / 10	20.5 (10)	100	10 / 10	20.3 (10)	100	10 / 10	20.7 (10)	101	10 / 10	20.1 (10)	99	10 / 10	19.7 (10)	97	10 / 10
3	21.4 (10)	10 / 10	21.0 (10)	98	10 / 10	20.8 (10)	97	10 / 10	21.0 (10)	98	10 / 10	20.9 (10)	98	10 / 10	20.5 (10)	96	10 / 10
4	21.6 (10)	10 / 10	21.5 (10)	100	10 / 10	21.3 (10)	99	10 / 10	21.3 (10)	99	10 / 10	20.9 (10)	97	10 / 10	20.6 (10)	95	10 / 10
5	21.6 (10)	10 / 10	21.6 (10)	100	10 / 10	21.9 (10)	101	10 / 10	21.8 (10)	101	10 / 10	21.4 (10)	99	10 / 10	21.2 (10)	98	10 / 10
6	22.4 (10)	10 / 10	22.1 (10)	99	10 / 10	22.2 (10)	99	10 / 10	22.1 (10)	99	10 / 10	21.7 (10)	97	10 / 10	21.6 (10)	96	10 / 10
7	22.8 (10)	10 / 10	22.5 (10)	99	10 / 10	22.5 (10)	99	10 / 10	22.5 (10)	99	10 / 10	22.1 (10)	97	10 / 10	21.4 (10)	94	10 / 10
8	23.1 (10)	10 / 10	23.1 (10)	100	10 / 10	23.1 (10)	100	10 / 10	23.1 (10)	100	10 / 10	22.5 (10)	97	10 / 10	22.2 (10)	96	10 / 10
9	22.8 (10)	10 / 10	23.1 (10)	101	10 / 10	23.0 (10)	101	10 / 10	22.9 (10)	100	10 / 10	22.8 (10)	100	10 / 10	22.1 (10)	97	10 / 10
10	23.6 (10)	10 / 10	24.0 (10)	102	10 / 10	23.8 (10)	101	10 / 10	23.9 (10)	101	10 / 10	23.2 (10)	98	10 / 10	22.8 (10)	97	10 / 10
11	23.7 (10)	10 / 10	23.6 (10)	100	10 / 10	23.6 (10)	100	10 / 10	23.8 (10)	100	10 / 10	23.4 (10)	99	10 / 10	22.9 (10)	97	10 / 10
12	24.0 (10)	10 / 10	23.8 (10)	99	10 / 10	24.2 (10)	101	10 / 10	23.6 (10)	98	10 / 10	23.7 (10)	99	10 / 10	23.1 (10)	96	10 / 10
13	24.2 (10)	10 / 10	24.5 (10)	101	10 / 10	24.2 (10)	100	10 / 10	24.0 (10)	99	10 / 10	24.0 (10)	99	10 / 10	23.1 (10)	95	10 / 10

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

TABLE 3 WATER CONSUMPTION CHANGES OF MALE MICE IN THE 13-WEEK DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Week on Study	Control		1250 ppm			2500 ppm			5000 ppm			10000 ppm			20000 ppm		
	Av. Wc. <10>	No. of Surviv. <10>	Av. Wc. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Wc. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Wc. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Wc. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Wc. <10>	% of cont. <10>	No. of Surviv. <10>
1	5.7 (10)	10 / 10	4.5 (9)	79	10 / 10	5.2 (10)	91	10 / 10	5.0 (10)	88	10 / 10	3.5 (9)	61	10 / 10	2.9 (10)	51	10 / 10
2	5.2 (10)	10 / 10	4.4 (9)	85	10 / 10	5.2 (10)	100	10 / 10	4.8 (10)	92	10 / 10	3.6 (10)	69	10 / 10	2.5 (10)	48	10 / 10
3	4.8 (10)	10 / 10	4.1 (9)	85	10 / 10	5.0 (10)	104	10 / 10	4.8 (10)	100	10 / 10	3.5 (10)	73	10 / 10	2.9 (10)	60	10 / 10
4	4.8 (10)	10 / 10	4.1 (10)	85	10 / 10	4.8 (9)	100	10 / 10	4.2 (9)	88	10 / 10	3.4 (10)	71	10 / 10	2.8 (10)	58	10 / 10
5	4.4 (10)	10 / 10	4.0 (10)	91	10 / 10	4.3 (10)	98	10 / 10	4.1 (9)	93	10 / 10	3.3 (10)	75	10 / 10	2.8 (10)	64	10 / 10
6	4.3 (10)	10 / 10	4.0 (10)	93	10 / 10	4.3 (10)	100	10 / 10	4.2 (10)	98	10 / 10	3.4 (10)	79	10 / 10	3.0 (10)	70	10 / 10
7	4.0 (10)	10 / 10	4.1 (10)	103	10 / 10	4.1 (10)	103	10 / 10	4.1 (10)	103	10 / 10	3.2 (10)	80	10 / 10	2.8 (10)	70	10 / 10
8	4.5 (10)	10 / 10	4.1 (10)	91	10 / 10	4.4 (10)	98	10 / 10	4.3 (10)	96	10 / 10	3.4 (10)	76	10 / 10	2.9 (10)	64	10 / 10
9	4.1 (10)	10 / 10	3.9 (10)	95	10 / 10	4.2 (10)	102	10 / 10	4.2 (10)	102	10 / 10	3.2 (10)	78	10 / 10	2.7 (10)	66	10 / 10
10	4.2 (10)	10 / 10	4.0 (10)	95	10 / 10	4.1 (10)	98	10 / 10	3.9 (10)	93	10 / 10	3.1 (10)	74	10 / 10	2.7 (10)	64	10 / 10
11	4.2 (10)	10 / 10	3.8 (10)	90	10 / 10	4.1 (10)	98	10 / 10	4.0 (10)	95	10 / 10	3.1 (10)	74	10 / 10	2.7 (10)	64	10 / 10
12	4.2 (10)	10 / 10	3.8 (10)	90	10 / 10	4.0 (10)	95	10 / 10	3.9 (10)	93	10 / 10	3.0 (10)	71	10 / 10	2.6 (10)	62	10 / 10
13	4.1 (10)	10 / 10	4.0 (10)	98	10 / 10	4.0 (10)	98	10 / 10	4.0 (10)	98	10 / 10	3.1 (10)	76	10 / 10	2.7 (10)	66	10 / 10

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

TABLE 4 WATER CONSUMPTION CHANGES OF FEMALE MICE IN THE 13-WEEK DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Week on Study	Control		1250 ppm			2500 ppm			5000 ppm			10000 ppm			20000 ppm		
	Av. Wc. <10>	No. of Surviv. <10>	Av. Wc. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Wc. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Wc. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Wc. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Wc. <10>	% of cont. <10>	No. of Surviv. <10>
1	4.6 (10)	10 / 10	3.8 (10)	83	10 / 10	4.4 (10)	96	10 / 10	4.0 (10)	87	10 / 10	3.1 (10)	67	10 / 10	2.6 (10)	57	10 / 10
2	4.5 (10)	10 / 10	4.2 (10)	93	10 / 10	4.2 (10)	93	10 / 10	4.1 (10)	91	10 / 10	3.0 (10)	67	10 / 10	2.2 (10)	49	10 / 10
3	4.4 (10)	10 / 10	4.1 (10)	93	10 / 10	4.0 (10)	91	10 / 10	4.1 (10)	93	10 / 10	3.2 (10)	73	10 / 10	2.6 (10)	59	10 / 10
4	4.5 (10)	10 / 10	4.3 (10)	96	10 / 10	4.3 (10)	96	10 / 10	4.3 (10)	96	10 / 10	3.4 (10)	76	10 / 10	2.7 (10)	60	10 / 10
5	4.6 (10)	10 / 10	4.2 (10)	91	10 / 10	4.3 (10)	93	10 / 10	4.2 (10)	91	10 / 10	3.3 (10)	72	10 / 10	2.6 (10)	57	10 / 10
6	4.7 (10)	10 / 10	4.3 (10)	91	10 / 10	4.4 (10)	94	10 / 10	4.4 (10)	94	10 / 10	3.5 (10)	74	10 / 10	2.8 (10)	60	10 / 10
7	4.7 (10)	10 / 10	4.4 (10)	94	10 / 10	4.3 (10)	91	10 / 10	4.3 (10)	91	10 / 10	3.4 (10)	72	10 / 10	2.6 (10)	55	10 / 10
8	4.8 (10)	10 / 10	4.4 (10)	92	10 / 10	4.5 (10)	94	10 / 10	4.4 (10)	92	10 / 10	3.5 (10)	73	10 / 10	2.7 (10)	56	10 / 10
9	4.7 (10)	10 / 10	4.3 (10)	91	10 / 10	4.3 (10)	91	10 / 10	4.2 (10)	89	10 / 10	3.5 (10)	74	10 / 10	2.7 (10)	57	10 / 10
10	4.7 (10)	10 / 10	4.3 (10)	91	10 / 10	4.3 (10)	91	10 / 10	4.4 (10)	94	10 / 10	3.5 (10)	74	10 / 10	2.8 (10)	60	10 / 10
11	4.4 (10)	10 / 10	4.2 (10)	95	10 / 10	4.0 (10)	91	10 / 10	4.1 (10)	93	10 / 10	3.3 (10)	75	10 / 10	2.7 (10)	61	10 / 10
12	4.7 (10)	10 / 10	4.1 (10)	87	10 / 10	4.2 (10)	89	10 / 10	4.1 (10)	87	10 / 10	3.3 (10)	70	10 / 10	2.7 (10)	57	10 / 10
13	4.7 (10)	10 / 10	4.3 (10)	91	10 / 10	4.2 (10)	89	10 / 10	4.2 (10)	89	10 / 10	3.4 (10)	72	10 / 10	2.9 (10)	62	10 / 10

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

TABLE 5 FOOD CONSUMPTION CHANGES OF MALE MICE IN THE 13-WEEK DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Week on Study	Control		1250 ppm			2500 ppm			5000 ppm			10000 ppm			20000 ppm		
	Av. Fc. <10>	No. of Surviv. <10>	Av. Fc. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Fc. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Fc. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Fc. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Fc. <10>	% of cont. <10>	No. of Surviv. <10>
1	4.0 (10)	10 / 10	4.1 (10)	103	10 / 10	4.0 (10)	100	10 / 10	4.0 (10)	100	10 / 10	3.7 (10)	93	10 / 10	3.1 (10)	78	10 / 10
2	4.0 (10)	10 / 10	3.8 (10)	95	10 / 10	4.0 (10)	100	10 / 10	3.9 (10)	98	10 / 10	3.8 (10)	95	10 / 10	3.6 (10)	90	10 / 10
3	4.0 (10)	10 / 10	3.9 (10)	98	10 / 10	4.1 (10)	103	10 / 10	3.9 (10)	98	10 / 10	3.9 (10)	98	10 / 10	3.6 (10)	90	10 / 10
4	4.0 (10)	10 / 10	3.9 (10)	98	10 / 10	4.1 (10)	103	10 / 10	4.0 (10)	100	10 / 10	3.9 (10)	98	10 / 10	3.7 (10)	93	10 / 10
5	3.9 (10)	10 / 10	3.7 (10)	95	10 / 10	3.9 (10)	100	10 / 10	3.9 (10)	100	10 / 10	3.7 (10)	95	10 / 10	3.5 (10)	90	10 / 10
6	3.9 (10)	10 / 10	3.9 (10)	100	10 / 10	4.0 (10)	103	10 / 10	3.9 (10)	100	10 / 10	3.8 (10)	97	10 / 10	3.6 (10)	92	10 / 10
7	3.9 (10)	10 / 10	3.9 (10)	100	10 / 10	4.0 (10)	103	10 / 10	4.0 (10)	103	10 / 10	3.8 (10)	97	10 / 10	3.6 (10)	92	10 / 10
8	3.9 (10)	10 / 10	3.8 (10)	97	10 / 10	3.9 (10)	100	10 / 10	3.9 (10)	100	10 / 10	3.8 (10)	97	10 / 10	3.5 (10)	90	10 / 10
9	3.9 (10)	10 / 10	3.9 (10)	100	10 / 10	4.0 (10)	103	10 / 10	4.0 (10)	103	10 / 10	3.9 (10)	100	10 / 10	3.5 (10)	90	10 / 10
10	4.0 (10)	10 / 10	4.0 (10)	100	10 / 10	4.1 (10)	103	10 / 10	4.0 (10)	100	10 / 10	3.9 (10)	98	10 / 10	3.6 (10)	90	10 / 10
11	4.0 (10)	10 / 10	3.9 (10)	98	10 / 10	4.1 (10)	103	10 / 10	4.0 (10)	100	10 / 10	3.9 (10)	98	10 / 10	3.7 (10)	93	10 / 10
12	4.1 (10)	10 / 10	4.0 (10)	98	10 / 10	4.1 (10)	100	10 / 10	4.0 (10)	98	10 / 10	4.0 (10)	98	10 / 10	3.7 (10)	90	10 / 10
13	4.1 (10)	10 / 10	4.1 (10)	100	10 / 10	4.2 (10)	102	10 / 10	4.0 (10)	98	10 / 10	4.0 (10)	98	10 / 10	3.8 (10)	93	10 / 10

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

TABLE 6 FOOD CONSUMPTION CHANGES OF FEMALE MICE IN THE 13-WEEK DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Week on Study	Control			1250 ppm			2500 ppm			5000 ppm			10000 ppm			20000 ppm		
	Av. Fc. <10>	No. of Surviv. <10>		Av. Fc. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Fc. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Fc. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Fc. <10>	% of cont. <10>	No. of Surviv. <10>	Av. Fc. <10>	% of cont. <10>	No. of Surviv. <10>
1	3.5 (10)	10 / 10		3.2 (10)	91	10 / 10	3.5 (10)	100	10 / 10	3.4 (10)	97	10 / 10	3.2 (10)	91	10 / 10	2.7 (10)	77	10 / 10
2	3.4 (10)	10 / 10		3.4 (10)	100	10 / 10	3.3 (10)	97	10 / 10	3.5 (10)	103	10 / 10	3.1 (10)	91	10 / 10	3.1 (10)	91	10 / 10
3	3.5 (10)	10 / 10		3.3 (10)	94	10 / 10	3.4 (10)	97	10 / 10	3.5 (10)	100	10 / 10	3.4 (10)	97	10 / 10	3.2 (10)	91	10 / 10
4	3.5 (10)	10 / 10		3.5 (10)	100	10 / 10	3.6 (10)	103	10 / 10	3.6 (10)	103	10 / 10	3.3 (10)	94	10 / 10	3.3 (10)	94	10 / 10
5	3.6 (10)	10 / 10		3.5 (10)	97	10 / 10	3.6 (10)	100	10 / 10	3.7 (10)	103	10 / 10	3.4 (10)	94	10 / 10	3.4 (10)	94	10 / 10
6	3.7 (10)	10 / 10		3.6 (10)	97	10 / 10	3.7 (10)	100	10 / 10	3.7 (10)	100	10 / 10	3.5 (10)	95	10 / 10	3.4 (10)	92	10 / 10
7	3.9 (10)	10 / 10		3.7 (10)	95	10 / 10	3.8 (10)	97	10 / 10	3.9 (10)	100	10 / 10	3.5 (10)	90	10 / 10	3.5 (10)	90	10 / 10
8	3.9 (10)	10 / 10		3.7 (10)	95	10 / 10	3.8 (10)	97	10 / 10	3.9 (10)	100	10 / 10	3.5 (10)	90	10 / 10	3.4 (10)	87	10 / 10
9	3.9 (10)	10 / 10		3.7 (10)	95	10 / 10	3.8 (10)	97	10 / 10	3.9 (10)	100	10 / 10	3.6 (10)	92	10 / 10	3.4 (10)	87	10 / 10
10	4.0 (10)	10 / 10		3.8 (10)	95	10 / 10	3.9 (10)	98	10 / 10	4.0 (10)	100	10 / 10	3.6 (10)	90	10 / 10	3.5 (10)	88	10 / 10
11	4.0 (10)	10 / 10		3.7 (10)	93	10 / 10	3.8 (10)	95	10 / 10	3.9 (10)	98	10 / 10	3.7 (10)	93	10 / 10	3.6 (10)	90	10 / 10
12	4.0 (10)	10 / 10		3.6 (10)	90	10 / 10	3.8 (10)	95	10 / 10	3.8 (10)	95	10 / 10	3.6 (10)	90	10 / 10	3.5 (10)	88	10 / 10
13	4.0 (10)	10 / 10		3.8 (10)	95	10 / 10	3.8 (10)	95	10 / 10	3.9 (10)	98	10 / 10	3.7 (10)	93	10 / 10	3.5 (10)	88	10 / 10

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

TABLE 7 HEMATOLOGY OF MALE MICE IN THE 13-WEEK DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Group Name	Control	1250 ppm	2500 ppm	5000 ppm	10000 ppm	20000 ppm
No. of examined animals	10	10	10	10	10	10
Reticulocyte (%)	2.2 ± 0.2	2.3 ± 0.2	2.2 ± 0.2	2.2 ± 0.2	2.3 ± 0.2	2.5 ± 0.2 **

Mean ± S.D.
^{*)} Significant difference, p<0.05 (Test of Dunnett)
^{**)} Significant difference, p<0.01 (Test of Dunnett)

TABLE 8 HEMATOLOGY OF FEMALE MICE IN THE 13-WEEK DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Group Name	Control	1250 ppm	2500 ppm	5000 ppm	10000 ppm	20000 ppm
No. of examined animals	9	10	10	10	10	10
Hemoglobin (g/dL)	15.2 ± 0.4	14.9 ± 0.5	14.9 ± 0.6	15.0 ± 0.3	14.9 ± 0.3	14.5 ± 0.4 **
MCV (fL)	45.4 ± 0.5	45.3 ± 0.3	45.3 ± 0.4	45.9 ± 0.7	46.0 ± 0.4	46.3 ± 0.7 **
MCHC (g/dL)	31.3 ± 0.4	31.1 ± 0.5	31.3 ± 0.4	31.0 ± 0.5	30.9 ± 0.4	30.5 ± 0.8 **

Mean ± S.D.
^{*)} Significant difference, p<0.05 (Test of Dunnett)
^{**)} Significant difference, p<0.01 (Test of Dunnett)

TABLE 9 BIOCHEMISTRY OF MALE MICE IN THE 13-WEEK DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Group Name	Control	1250 ppm	2500 ppm	5000 ppm	10000 ppm	20000 ppm
No. of examined animals	10	10	10	10	10	10
T-cholesterol (mg/dL)	87 ± 6	81 ± 8	81 ± 4	78 ± 7 *	80 ± 8	75 ± 7 **
Phospholipid (mg/dL)	187 ± 14	172 ± 17	171 ± 9	168 ± 18 *	168 ± 14 *	154 ± 17 **
ALP (IU/L)	153 ± 8	158 ± 10	154 ± 11	149 ± 9	148 ± 10	176 ± 16 **
Calcium (mg/dL)	8.9 ± 0.3	8.7 ± 0.2	8.7 ± 0.1	8.6 ± 0.2 **	8.7 ± 0.2	8.5 ± 0.2 **
Inorganic phosphorus (mg/dL)	9.0 ± 1.4	7.8 ± 1.0	8.4 ± 1.1	7.5 ± 1.0 *	8.0 ± 1.5	7.3 ± 0.9 **

Mean ± S.D.
^{*)} Significant difference, p<0.05 (Test of Dunnett)
^{**)} Significant difference, p<0.01 (Test of Dunnett)

TABLE 10 URINALYSIS OF MALE MICE IN THE 13-WEEK DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Group Name		Control	1250 ppm	2500 ppm	5000 ppm	10000 ppm	20000 ppm
Number of examined animals		10	10	10	10	10	10
	Grade						
pH	6.0	0	0	0	0	0	1
	6.5	0	1	0	1	0	6
	7.0	0	0	0	1	4	1
	7.5	0	2	4	3	4	2
	8.0	5	6	4	3	2	0
	8.5	5	1	2	2	0	0
Statistical Significance						**	**
Significant difference : * : p<0.05 ** : p<0.01 Chi square test							

TABLE 11 URINALYSIS OF FEMALE MICE IN THE 13-WEEK DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Group		Control	1250 ppm	2500 ppm	5000 ppm	10000 ppm	20000 ppm
Number of examined animals		10	10	10	10	10	10
	Grade						
pH	6.0	0	1	0	0	0	0
	6.5	2	1	0	1	3	10
	7.0	0	1	4	4	4	0
	7.5	3	4	3	2	2	0
	8.0	5	3	3	3	1	0
	8.5	0	0	0	0	0	0
Statistical Significance						**	**
Significant difference : * : p<0.05 ** : p<0.01 Chi square test							

TABLE 12 ORGAN WEIGHTS OF MALE MICE IN THE 13-WEEK DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Group Name	Control	1250 ppm	2500 ppm	5000 ppm	10000 ppm	20000 ppm
No. of examined animals	10	10	10	10	10	10
Body weight (g)	29.3 ± 1.7	28.5 ± 2.1	29.4 ± 2.0	28.8 ± 2.5	28.7 ± 1.6	25.9 ± 1.6 **
Heart (g)	0.147 ± 0.009	0.150 ± 0.011	0.150 ± 0.008	0.149 ± 0.010	0.147 ± 0.005	0.143 ± 0.013
Heart (%)	0.500 ± 0.027	0.526 ± 0.030	0.511 ± 0.030	0.520 ± 0.045	0.511 ± 0.026	0.552 ± 0.034 **
Kidneys (g)	0.422 ± 0.026	0.413 ± 0.028	0.435 ± 0.021	0.434 ± 0.024	0.448 ± 0.021	0.432 ± 0.030
Kidneys (%)	1.438 ± 0.047	1.453 ± 0.100	1.484 ± 0.105	1.516 ± 0.133	1.564 ± 0.100 *	1.669 ± 0.097 **
Liver (g)	1.134 ± 0.056	1.117 ± 0.081	1.162 ± 0.029	1.149 ± 0.055	1.140 ± 0.047	1.082 ± 0.062
Liver (%)	3.868 ± 0.066	3.926 ± 0.157	3.963 ± 0.212	4.009 ± 0.226	3.974 ± 0.151	4.175 ± 0.108 **
Brain (g)	0.439 ± 0.015	0.444 ± 0.006	0.443 ± 0.012	0.445 ± 0.010	0.444 ± 0.006	0.447 ± 0.009
Brain (%)	1.498 ± 0.068	1.566 ± 0.132	1.512 ± 0.094	1.558 ± 0.129	1.551 ± 0.087	1.729 ± 0.105 **

Mean ± S.D.
⁾ Significant difference, p<0.05 (Test of Dunnett)
^{**)} Significant difference, p<0.01 (Test of Dunnett)

TABLE 13 ORGAN WEIGHTS OF FEMALE MICE IN THE 13-WEEK DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Group Name	Control	1250 ppm	2500 ppm	5000 ppm	10000 ppm	20000 ppm
No. of examined animals	10	10	10	10	10	10
Body weight (g)	20.7 ± 0.5	20.9 ± 1.0	20.9 ± 0.7	20.8 ± 0.8	20.8 ± 1.2	20.6 ± 1.0
Kidneys (g)	0.286 ± 0.020	0.285 ± 0.013	0.296 ± 0.012	0.298 ± 0.012	0.311 ± 0.021 **	0.319 ± 0.017 **
Kidneys (%)	1.381 ± 0.098	1.362 ± 0.066	1.416 ± 0.066	1.433 ± 0.044	1.495 ± 0.078 **	1.554 ± 0.090 **

Mean ± S.D.
⁾ Significant difference, p<0.05 (Test of Dunnett)
^{**)} Significant difference, p<0.01 (Test of Dunnett)