メタクリル酸＝2,3-エポキシプロピルのマウスを用いた
吸入による13週間毒性試験報告書

試験番号：0771

TABLES

TABLES

TABLES (CONTINUED)

TABLE A

CONCENTRATIONS OF 2,3-EPOXYPROPYL METHACRYLATE IN THE INHALATION CHAMBER OF THE 13-WEEK INHALATION STUDY

CONCENTRATIONS OF 2,3-EPOXYPROPYL METHACRYLATE IN THE INHALATION CHAMBER OF THE 13-WEEK INHALATION STUDY

Group Name	Concentration(ppm) Mean ± S.D.
Control	0.0 ± 0.0
1 ppm	1.1 ± 0.1
2 ppm	2.0 ± 0.1
5 ppm	5.0 ± 0.1
10 ppm	10.1 ± 0.3
20 ppm	19.8 ± 0.3

TABLE B1

SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 13
SEX : MALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Weeks) 0	1	2	3	4	5	6	7	8	9	10	11	12	13
Control	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
20ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Number of survival/ Number of effective animals
Survival rate(%)

TABLE B2

SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 13
SEX : FEMALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Weeks) 0	1	2	3	4	5	6	7	8	9	10	11	12	13
Control	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
20ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Number of survival/ Number of effective animals
Survival rate(%)

TABLE C1

CLINICAL OBSERVATION : MALE

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 13

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Administration Week-day 1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
NON REMARKABLE	Control	10	10	10	10	10	10	10	10	10	10	10	10	10
	1ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	2ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	5ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	10ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	20ppm	10	10	10	10	10	10	10	10	10	10	10	10	10

TABLE C2

CLINICAL OBSERVATION : FEMALE

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 13

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Administration Week-day 1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
NON REMARKABLE	Control	10	10	10	10	10	10	10	10	10	10	10	10	10
	1ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	2ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	5ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	10ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	20ppm	10	10	10	10	10	10	10	10	10	10	10	10	10

TABLE D1

BODY WEIGHT CHANGES AND SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

MEAN BODY WEIGHTS AND SURVIVAL

Week-Day on Study	Control Av. Wt.	Control No. of Surviv. <10>	1ppm Av. Wt.	1ppm % of cont. <10>	1ppm No. of Surviv.	2ppm Av. Wt.	2ppm % of cont. <10>	2ppm No. of Surviv.	5ppm Av. Wt.	5ppm % of cont. <10>	5ppm No. of Surviv.	10ppm Av. Wt.	10ppm % of cont. <10>	10ppm No. of Surviv.	20ppm Av. Wt.	20ppm % of cont. <10>	20ppm No. of Surviv.
0-0	23.2 (10)	10/10	23.2 (10)	100	10/10	23.2 (10)	100	10/10	23.2 (10)	100	10/10	23.2 (10)	100	10/10	23.2 (10)	100	10/10
1-7	24.5 (10)	10/10	24.9 (10)	102	10/10	24.7 (10)	101	10/10	24.7 (10)	101	10/10	24.4 (10)	100	10/10	24.1 (10)	98	10/10
2-7	25.6 (10)	10/10	25.8 (10)	101	10/10	25.3 (10)	99	10/10	25.8 (10)	101	10/10	25.3 (10)	99	10/10	25.0 (10)	98	10/10
3-7	26.2 (10)	10/10	26.1 (10)	100	10/10	25.5 (10)	97	10/10	25.8 (10)	98	10/10	25.7 (10)	98	10/10	25.1 (10)	96	10/10
4-7	26.7 (10)	10/10	26.4 (10)	99	10/10	25.7 (10)	96	10/10	26.2 (10)	98	10/10	26.1 (10)	98	10/10	25.5 (10)	96	10/10
5-7	27.4 (10)	10/10	27.2 (10)	99	10/10	26.5 (10)	97	10/10	26.9 (10)	98	10/10	26.5 (10)	97	10/10	25.8 (10)	94	10/10
6-7	28.3 (10)	10/10	27.9 (10)	99	10/10	26.9 (10)	95	10/10	27.4 (10)	97	10/10	26.7 (10)	94	10/10	26.6 (10)	94	10/10
7-7	29.0 (10)	10/10	28.3 (10)	98	10/10	27.5 (10)	95	10/10	27.9 (10)	96	10/10	27.3 (10)	94	10/10	26.5 (10)	91	10/10
8-7	29.5 (10)	10/10	28.9 (10)	98	10/10	27.8 (10)	94	10/10	28.3 (10)	96	10/10	27.6 (10)	94	10/10	27.1 (10)	92	10/10
9-7	29.9 (10)	10/10	29.6 (10)	99	10/10	28.3 (10)	95	10/10	29.0 (10)	97	10/10	28.2 (10)	94	10/10	27.3 (10)	91	10/10
10-7	30.7 (10)	10/10	30.2 (10)	98	10/10	28.7 (10)	93	10/10	29.7 (10)	97	10/10	28.7 (10)	93	10/10	27.5 (10)	90	10/10
11-7	31.3 (10)	10/10	30.9 (10)	99	10/10	29.3 (10)	94	10/10	29.9 (10)	96	10/10	29.0 (10)	93	10/10	27.7 (10)	88	10/10
12-7	32.0 (10)	10/10	31.4 (10)	98	10/10	29.8 (10)	93	10/10	30.8 (10)	96	10/10	29.1 (10)	91	10/10	28.1 (10)	88	10/10
13-7	32.5 (10)	10/10	31.9 (10)	98	10/10	30.4 (10)	94	10/10	31.3 (10)	96	10/10	29.9 (10)	92	10/10	28.4 (10)	87	10/10

< >:No. of effective animals, ( ):No. of measured animals Av. Wt. : g

TABLE D2

BODY WEIGHT CHANGES AND SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

MEAN BODY WEIGHTS AND SURVIVAL

Week-Day on Study	Control Av. Wt.	Control No. of Surviv. <10>	1ppm Av. Wt.	1ppm % of cont. <10>	1ppm No. of Surviv.	2ppm Av. Wt.	2ppm % of cont. <10>	2ppm No. of Surviv.	5ppm Av. Wt.	5ppm % of cont. <10>	5ppm No. of Surviv.	10ppm Av. Wt.	10ppm % of cont. <10>	10ppm No. of Surviv.	20ppm Av. Wt.	20ppm % of cont. <10>	20ppm No. of Surviv.
0-0	19.2 (10)	10/10	19.3 (10)	101	10/10	19.2 (10)	100	10/10	19.2 (10)	100	10/10	19.3 (10)	101	10/10	19.2 (10)	100	10/10
1-7	20.0 (10)	10/10	20.1 (10)	101	10/10	19.7 (10)	99	10/10	20.0 (10)	100	10/10	19.9 (10)	100	10/10	19.5 (10)	98	10/10
2-7	21.1 (10)	10/10	21.1 (10)	100	10/10	21.0 (10)	100	10/10	21.0 (10)	100	10/10	20.9 (10)	99	10/10	20.5 (10)	97	10/10
3-7	21.6 (10)	10/10	21.4 (10)	99	10/10	21.5 (10)	100	10/10	21.6 (10)	100	10/10	20.8 (10)	96	10/10	20.8 (10)	96	10/10
4-7	22.3 (10)	10/10	22.4 (10)	100	10/10	22.2 (10)	100	10/10	22.5 (10)	101	10/10	21.4 (10)	96	10/10	21.4 (10)	96	10/10
5-7	23.2 (10)	10/10	22.5 (10)	97	10/10	22.7 (10)	98	10/10	22.9 (10)	99	10/10	22.1 (10)	95	10/10	22.1 (10)	95	10/10
6-7	24.6 (10)	10/10	23.4 (10)	95	10/10	23.5 (10)	96	10/10	23.7 (10)	96	10/10	22.6 (10)	92	10/10	22.9 (10)	93	10/10
7-7	24.3 (10)	10/10	24.0 (10)	99	10/10	24.0 (10)	99	10/10	24.6 (10)	101	10/10	23.5 (10)	97	10/10	23.8 (10)	98	10/10
8-7	24.5 (10)	10/10	24.1 (10)	98	10/10	24.1 (10)	98	10/10	24.8 (10)	101	10/10	23.8 (10)	97	10/10	23.6 (10)	96	10/10
9-7	24.8 (10)	10/10	24.2 (10)	98	10/10	24.2 (10)	98	10/10	24.8 (10)	100	10/10	23.8 (10)	96	10/10	23.7 (10)	96	10/10
10-7	25.3 (10)	10/10	24.7 (10)	98	10/10	24.5 (10)	97	10/10	25.2 (10)	100	10/10	24.5 (10)	97	10/10	24.0 (10)	95	10/10
11-7	25.7 (10)	10/10	24.9 (10)	97	10/10	24.9 (10)	97	10/10	25.5 (10)	99	10/10	24.6 (10)	96	10/10	24.2 (10)	94	10/10
12-7	26.1 (10)	10/10	25.7 (10)	98	10/10	25.1 (10)	96	10/10	26.4 (10)	101	10/10	25.0 (10)	96	10/10	24.6 (10)	94	10/10
13-7	26.5 (10)	10/10	25.4 (10)	96	10/10	25.6 (10)	97	10/10	26.3 (10)	99	10/10	25.1 (10)	95	10/10	25.0 (10)	94	10/10

< >:No. of effective animals, ( ):No. of measured animals Av. Wt. : g

TABLE D3

BODY WEIGHT CHANGES : MALE

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 0-0	1-7	2-7	3-7	4-7	5-7	6-7
Control	23.2± 0.7	24.5± 0.7	25.6± 0.7	26.2± 0.7	26.7± 0.7	27.4± 0.8	28.3± 0.8
1ppm	23.2± 0.7	24.9± 1.0	25.8± 1.0	26.1± 1.0	26.4± 1.0	27.2± 1.1	27.9± 1.2
2ppm	23.2± 0.7	24.7± 0.8	25.3± 1.2	25.5± 1.4	25.7± 1.4	26.5± 1.5	26.9± 1.6*
5ppm	23.2± 0.7	24.7± 0.7	25.8± 0.7	25.8± 0.9	26.2± 0.9	26.9± 0.9	27.4± 0.9
10ppm	23.2± 0.7	24.4± 0.8	25.3± 0.7	25.7± 0.9	26.1± 1.1	26.5± 1.2	26.7± 1.4*
20ppm	23.2± 0.7	24.1± 1.0	25.0± 1.1	25.1± 0.9	25.5± 1.0	25.8± 1.0*	26.6± 1.0**

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 7-7	8-7	9-7	10-7	11-7	12-7	13-7
Control	29.0± 1.0	29.5± 1.0	29.9± 1.1	30.7± 1.3	31.3± 1.3	32.0± 1.7	32.5± 1.7
1ppm	28.3± 1.1	28.9± 1.4	29.6± 1.3	30.2± 1.6	30.9± 1.7	31.4± 1.9	31.9± 2.1
2ppm	27.5± 1.6*	27.8± 1.7*	28.3± 1.7*	28.7± 1.7*	29.3± 2.0*	29.8± 2.1*	30.4± 2.6
5ppm	27.9± 0.8	28.3± 0.9	29.0± 0.9	29.7± 1.2	29.9± 1.1	30.8± 1.3	31.3± 1.5
10ppm	27.3± 1.2**	27.6± 1.5**	28.2± 1.4*	28.7± 1.9*	29.0± 2.0**	29.1± 1.8**	29.9± 1.7*
20ppm	26.5± 1.0**	27.1± 1.0**	27.3± 1.1**	27.5± 1.2**	27.7± 1.5**	28.1± 1.3**	28.4± 1.2**

Significant difference : * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE D4

BODY WEIGHT CHANGES : FEMALE

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 0-0	1-7	2-7	3-7	4-7	5-7	6-7
Control	19.2± 0.7	20.0± 0.7	21.1± 0.9	21.6± 0.6	22.3± 1.0	23.2± 0.7	24.6± 0.9
1ppm	19.3± 0.7	20.1± 0.9	21.1± 0.6	21.4± 0.9	22.4± 0.8	22.5± 0.7	23.4± 0.9*
2ppm	19.2± 0.7	19.7± 1.1	21.0± 0.8	21.5± 0.7	22.2± 0.7	22.7± 0.9	23.5± 0.9*
5ppm	19.2± 0.7	20.0± 1.0	21.0± 0.9	21.6± 1.0	22.5± 0.8	22.9± 0.9	23.7± 0.9
10ppm	19.3± 0.7	19.9± 0.7	20.9± 0.9	20.8± 0.8	21.4± 0.8	22.1± 0.8*	22.6± 0.8**
20ppm	19.2± 0.7	19.5± 0.7	20.5± 1.2	20.8± 0.6	21.4± 0.7*	22.1± 1.0*	22.9± 1.0**

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 7-7	8-7	9-7	10-7	11-7	12-7	13-7
Control	24.3± 0.8	24.5± 0.9	24.8± 1.4	25.3± 0.8	25.7± 1.3	26.1± 1.2	26.5± 1.0
1ppm	24.0± 0.9	24.1± 0.6	24.2± 0.8	24.7± 1.1	24.9± 0.7	25.7± 1.4	25.4± 1.2
2ppm	24.0± 0.8	24.1± 0.8	24.2± 0.8	24.5± 0.9	24.9± 0.8	25.1± 1.0	25.6± 1.4
5ppm	24.6± 1.0	24.8± 0.9	24.8± 1.2	25.2± 1.1	25.5± 0.9	26.4± 1.1	26.3± 1.1
10ppm	23.5± 1.1	23.8± 0.8	23.8± 1.1	24.5± 1.2	24.6± 0.9*	25.0± 0.8	25.1± 1.8
20ppm	23.8± 1.3	23.6± 0.5*	23.7± 1.2	24.0± 0.7*	24.2± 0.9**	24.6± 0.8**	25.0± 1.3

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE E1

FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

MEAN FOOD CONSUMPTION(FC) AND SURVIVAL

Week-Day on Study	Control Av. FC.	Control No. of Surviv. <10>	1ppm Av. FC.	1ppm % of cont. <10>	1ppm No. of Surviv.	2ppm Av. FC.	2ppm % of cont. <10>	2ppm No. of Surviv.	5ppm Av. FC.	5ppm % of cont. <10>	5ppm No. of Surviv.	10ppm Av. FC.	10ppm % of cont. <10>	10ppm No. of Surviv.	20ppm Av. FC.	20ppm % of cont. <10>	20ppm No. of Surviv.
1-7	4.4 (10)	10/10	4.6 (10)	105	10/10	4.6 (10)	105	10/10	4.6 (10)	105	10/10	4.3 (10)	98	10/10	4.4 (10)	100	10/10
2-7	4.6 (10)	10/10	4.5 (10)	98	10/10	4.5 (10)	98	10/10	4.7 (10)	102	10/10	4.2 (10)	91	10/10	4.3 (10)	93	10/10
3-7	4.7 (10)	10/10	4.7 (10)	100	10/10	4.6 (10)	98	10/10	4.6 (9)	98	10/10	4.4 (10)	94	10/10	4.1 (10)	87	10/10
4-7	4.8 (10)	10/10	5.1 (8)	106	10/10	4.8 (10)	100	10/10	5.0 (10)	104	10/10	4.5 (10)	94	10/10	4.2 (10)	88	10/10
5-7	4.8 (10)	10/10	4.8 (10)	100	10/10	4.9 (10)	102	10/10	4.8 (10)	100	10/10	4.5 (10)	94	10/10	4.3 (10)	90	10/10
6-7	5.0 (10)	10/10	5.0 (10)	100	10/10	5.1 (10)	102	10/10	4.9 (10)	98	10/10	4.5 (10)	90	10/10	4.4 (10)	88	10/10
7-7	4.9 (10)	10/10	4.6 (10)	94	10/10	4.7 (10)	96	10/10	4.7 (10)	96	10/10	4.4 (10)	90	10/10	4.3 (10)	88	10/10
8-7	4.7 (10)	10/10	4.7 (10)	100	10/10	4.8 (10)	102	10/10	4.8 (10)	102	10/10	4.4 (10)	94	10/10	4.3 (10)	91	10/10
9-7	4.8 (10)	10/10	4.8 (10)	100	10/10	4.8 (10)	100	10/10	4.8 (10)	100	10/10	4.5 (10)	94	10/10	4.3 (10)	90	10/10
10-7	4.9 (10)	10/10	4.8 (10)	98	10/10	4.9 (10)	100	10/10	4.9 (10)	100	10/10	4.5 (10)	92	10/10	4.3 (10)	88	10/10
11-7	4.8 (10)	10/10	4.9 (10)	102	10/10	4.9 (10)	102	10/10	4.8 (10)	100	10/10	4.4 (10)	92	10/10	4.2 (10)	88	10/10
12-7	5.0 (10)	10/10	5.0 (10)	100	10/10	5.0 (10)	100	10/10	5.0 (10)	100	10/10	4.5 (10)	90	10/10	4.3 (10)	86	10/10
13-7	4.8 (10)	10/10	4.9 (10)	102	10/10	4.9 (10)	102	10/10	5.0 (10)	104	10/10	4.6 (10)	96	10/10	4.3 (10)	90	10/10

< >:No. of effective animals, ( ):No. of measured animals Av. FC. : g

TABLE E2

FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

MEAN FOOD CONSUMPTION(FC) AND SURVIVAL

Week-Day on Study	Control Av. FC.	Control No. of Surviv. <10>	1ppm Av. FC.	1ppm % of cont. <10>	1ppm No. of Surviv.	2ppm Av. FC.	2ppm % of cont. <10>	2ppm No. of Surviv.	5ppm Av. FC.	5ppm % of cont. <10>	5ppm No. of Surviv.	10ppm Av. FC.	10ppm % of cont. <10>	10ppm No. of Surviv.	20ppm Av. FC.	20ppm % of cont. <10>	20ppm No. of Surviv.
1-7	3.8 (10)	10/10	3.8 (10)	100	10/10	3.7 (10)	97	10/10	3.7 (10)	97	10/10	3.7 (10)	97	10/10	3.5 (10)	92	10/10
2-7	4.4 (10)	10/10	4.2 (10)	95	10/10	4.2 (10)	95	10/10	4.2 (10)	95	10/10	3.9 (10)	89	10/10	3.9 (10)	89	10/10
3-7	4.6 (10)	10/10	4.4 (10)	96	10/10	4.5 (10)	98	10/10	4.5 (10)	98	10/10	3.9 (10)	85	10/10	4.2 (10)	91	10/10
4-7	5.0 (10)	10/10	4.6 (10)	92	10/10	4.7 (10)	94	10/10	4.7 (10)	94	10/10	4.3 (10)	86	10/10	4.5 (10)	90	10/10
5-7	5.2 (10)	10/10	4.6 (10)	88	10/10	4.8 (10)	92	10/10	4.8 (10)	92	10/10	4.4 (10)	85	10/10	4.6 (10)	88	10/10
6-7	5.3 (10)	10/10	5.0 (10)	94	10/10	5.2 (10)	98	10/10	5.2 (10)	98	10/10	4.7 (10)	89	10/10	4.7 (10)	89	10/10
7-7	5.4 (10)	10/10	4.8 (10)	89	10/10	5.0 (10)	93	10/10	5.1 (10)	94	10/10	4.5 (10)	83	10/10	4.7 (10)	87	10/10
8-7	5.1 (10)	10/10	4.7 (10)	92	10/10	4.9 (10)	96	10/10	5.0 (10)	98	10/10	4.5 (10)	88	10/10	4.5 (10)	88	10/10
9-7	5.1 (10)	10/10	4.7 (10)	92	10/10	4.8 (10)	94	10/10	5.0 (10)	98	10/10	4.5 (10)	88	10/10	4.4 (10)	86	10/10
10-7	5.1 (10)	10/10	4.7 (10)	92	10/10	4.9 (10)	96	10/10	5.2 (10)	102	10/10	4.7 (10)	92	10/10	4.5 (10)	88	10/10
11-7	5.2 (10)	10/10	4.7 (10)	90	10/10	5.0 (10)	96	10/10	5.0 (10)	96	10/10	4.4 (10)	85	10/10	4.4 (10)	85	10/10
12-7	5.3 (10)	10/10	4.9 (10)	92	10/10	5.0 (10)	94	10/10	5.3 (10)	100	10/10	4.6 (10)	87	10/10	4.5 (10)	85	10/10
13-7	5.3 (10)	10/10	4.7 (10)	89	10/10	5.0 (10)	94	10/10	5.3 (10)	100	10/10	4.6 (10)	87	10/10	4.4 (10)	83	10/10

< >:No. of effective animals, ( ):No. of measured animals Av. FC. : g

TABLE E3

FOOD CONSUMPTION CHANGES : MALE

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 1-7(7)	2-7(7)	3-7(7)	4-7(7)	5-7(7)	6-7(7)	7-7(7)
Control	4.4± 0.2	4.6± 0.2	4.7± 0.2	4.8± 0.3	4.8± 0.3	5.0± 0.2	4.9± 0.3
1ppm	4.6± 0.2	4.5± 0.4	4.7± 0.4	5.1± 0.7	4.8± 0.4	5.0± 0.4	4.6± 0.3
2ppm	4.6± 0.3	4.5± 0.4	4.6± 0.3	4.8± 0.2	4.9± 0.2	5.1± 0.2	4.7± 0.2
5ppm	4.6± 0.2	4.7± 0.1	4.6± 0.2	5.0± 0.8	4.8± 0.3	4.9± 0.2	4.7± 0.2
10ppm	4.3± 0.2	4.2± 0.2*	4.4± 0.3	4.5± 0.3	4.5± 0.2	4.5± 0.3**	4.4± 0.3**
20ppm	4.4± 0.4	4.3± 0.3*	4.1± 0.3**	4.2± 0.3**	4.3± 0.2**	4.4± 0.3**	4.3± 0.4**

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 8-7(7)	9-7(7)	10-7(7)	11-7(7)	12-7(7)	13-7(7)
Control	4.7± 0.1	4.8± 0.2	4.9± 0.2	4.8± 0.2	5.0± 0.3	4.8± 0.2
1ppm	4.7± 0.3	4.8± 0.3	4.8± 0.3	4.9± 0.3	5.0± 0.4	4.9± 0.4
2ppm	4.8± 0.2	4.8± 0.1	4.9± 0.2	4.9± 0.3	5.0± 0.3	4.9± 0.3
5ppm	4.8± 0.2	4.8± 0.2	4.9± 0.2	4.8± 0.1	5.0± 0.2	5.0± 0.4
10ppm	4.4± 0.2*	4.5± 0.3*	4.5± 0.3**	4.4± 0.3**	4.5± 0.2**	4.6± 0.3
20ppm	4.3± 0.4**	4.3± 0.2**	4.3± 0.3**	4.2± 0.3**	4.3± 0.2**	4.3± 0.3**

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE E4

FOOD CONSUMPTION CHANGES : FEMALE

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 1-7(7)	2-7(7)	3-7(7)	4-7(7)	5-7(7)	6-7(7)	7-7(7)
Control	3.8± 0.3	4.4± 0.4	4.6± 0.2	5.0± 0.4	5.2± 0.2	5.3± 0.6	5.4± 0.4
1ppm	3.8± 0.2	4.2± 0.1	4.4± 0.2	4.6± 0.2	4.6± 0.2**	5.0± 0.1	4.8± 0.2**
2ppm	3.7± 0.4	4.2± 0.3	4.5± 0.3	4.7± 0.3	4.8± 0.4*	5.2± 0.4	5.0± 0.4*
5ppm	3.7± 0.3	4.2± 0.2	4.5± 0.3	4.7± 0.2	4.8± 0.3	5.2± 0.3	5.1± 0.3
10ppm	3.7± 0.3	3.9± 0.3**	3.9± 0.3**	4.3± 0.3**	4.4± 0.3**	4.7± 0.3**	4.5± 0.3**
20ppm	3.5± 0.3	3.9± 0.3**	4.2± 0.5**	4.5± 0.3**	4.6± 0.4**	4.7± 0.4**	4.7± 0.4**

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0771
ANIMAL : MOUSE BGD2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 8-7(7)	9-7(7)	10-7(7)	11-7(7)	12-7(7)	13-7(7)
Control	5.1± 0.2	5.1± 0.3	5.1± 0.3	5.2± 0.4	5.3± 0.4	5.3± 0.5
1ppm	4.7± 0.2*	4.7± 0.2*	4.7± 0.2	4.7± 0.2*	4.9± 0.2	4.7± 0.2*
2ppm	4.9± 0.4	4.8± 0.4	4.9± 0.4	5.0± 0.4	5.0± 0.4	5.0± 0.5
5ppm	5.0± 0.4	5.0± 0.4	5.2± 0.5	5.0± 0.5	5.3± 0.3	5.3± 0.7
10ppm	4.5± 0.2**	4.5± 0.3**	4.7± 0.4*	4.4± 0.2**	4.6± 0.5**	4.6± 0.3**
20ppm	4.5± 0.4**	4.4± 0.3**	4.5± 0.2**	4.4± 0.3**	4.5± 0.3**	4.4± 0.3**

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE F1

HEMATOLOGY : MALE

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	RED BLOOD CELL $10^6/\mu\ell$	HEMOGLOBIN g/dℓ	HEMATOCRIT %	MCV fℓ	MCH pg	MCHC g/dℓ	PLATELET $10^3/\mu\ell$
Control	10	11.38± 0.28	16.4± 0.3	51.2± 0.7	45.0± 0.7	14.4± 0.1	31.9± 0.4	1198± 101
1ppm	10	11.14± 0.33	16.2± 0.4	50.5± 1.2	45.4± 0.5	14.6± 0.4	32.1± 0.8	1199± 113
2ppm	10	11.40± 0.40	16.5± 0.5	51.6± 1.8	45.3± 0.5	14.5± 0.3	32.0± 0.6	1193± 91
5ppm	10	11.15± 0.36	16.2± 0.4	50.5± 1.3	45.4± 0.8	14.5± 0.4	32.0± 0.9	1189± 106
10ppm	10	11.30± 0.36	16.4± 0.5	51.2± 1.2	45.4± 0.5	14.5± 0.3	32.0± 0.7	1238± 115
20ppm	10	10.96± 0.49	15.9± 0.4	49.7± 2.1	45.4± 0.7	14.5± 0.4	32.1± 0.8	1196± 130

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	RETICULOCYTE %
Control	10	2.1± 0.2
1ppm	10	2.1± 0.1
2ppm	10	2.1± 0.2
5ppm	10	2.2± 0.2
10ppm	10	2.3± 0.2
20ppm	10	2.4± 0.1**

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0771
ANIMAL : MOUSE BGD2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	WBC $10^3/\mu\ell$	Differential WBC (%) NEUTRO	LYMPHO	MONO	EOSINO	BASO	OTHER
Control	10	2.21± 1.07	15± 4	80± 5	2± 1	2± 1	0± 0	1± 1
1ppm	10	2.56± 1.68	14± 5	80± 5	2± 2	2± 1	0± 0	1± 1
2ppm	10	2.57± 1.75	15± 2	79± 2	2± 1	3± 1	0± 0	1± 1
5ppm	10	2.36± 1.43	14± 4	81± 4	2± 1	2± 1	0± 0	1± 1
10ppm	10	2.41± 1.35	14± 3	81± 4	2± 0	2± 1	0± 1	1± 1
20ppm	10	2.23± 1.28	17± 8	77± 9	2± 1	3± 2	1± 1	2± 1

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE F2

HEMATOLOGY : FEMALE

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	RED BLOOD CELL $10^6/\mu\ell$	HEMOGLOBIN g/dℓ	HEMATOCRIT %	MCV f ℓ	MCH p g	MCHC g/dℓ	PLATELET $10^3/\mu\ell$
Control	10	11.41± 0.31	16.9± 0.4	51.8± 1.3	45.4± 0.5	14.8± 0.3	32.7± 0.6	1094± 76
1ppm	10	11.24± 0.21	16.6± 0.1	51.0± 0.9	45.4± 0.5	14.8± 0.3	32.5± 0.6	1126± 115
2ppm	10	11.40± 0.26	16.7± 0.3	52.0± 1.1	45.6± 0.7	14.7± 0.3	32.2± 0.5	1124± 101
5ppm	10	11.15± 0.33	16.5± 0.5	50.7± 1.6	45.5± 0.7	14.8± 0.3	32.5± 1.0	1140± 89
10ppm	10	11.22± 0.47	16.5± 0.5	50.6± 2.1	45.1± 0.4	14.7± 0.2	32.6± 0.6	1069± 92
20ppm	10	11.10± 0.37	16.3± 0.5*	50.6± 1.8	45.6± 0.7	14.7± 0.2	32.2± 0.2	1070± 112

Significant difference ; * : $P \leqq 0.05$ ** : $P \leqq 0.01$ Test of Dunnett

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	RETICULOCYTE %
Control	10	2.3± 0.5
1ppm	10	2.1± 0.4
2ppm	10	2.1± 0.6
5ppm	10	2.0± 0.5
10ppm	10	2.3± 0.5
20ppm	10	2.5± 0.7

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	WBC $10^3/\mu\ell$		Differential WBC (%) NEUTRO		LYMPHO		MONO		EOSINO		BASO		OTHER	
Control	10	2.48±	1.47	16±	5	80±	5	1±	1	2±	1	0±	1	1±	1
1ppm	10	1.19±	0.90	20±	7	75±	8	2±	1	2±	1	1±	1	2±	1
2ppm	10	1.61±	0.80	22±	7	74±	8	2±	2	1±	1	1±	1	1±	1
5ppm	10	1.80±	1.29	21±	15	75±	17	2±	1	2±	1	0±	0	1±	1
10ppm	10	1.98±	1.35	20±	7	76±	8	2±	1	1±	1	0±	1	1±	2
20ppm	10	1.62±	1.14	19±	5	77±	6	2±	1	2±	1	1±	1	1±	1

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE G1

BIOCHEMISTRY : MALE

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	TOTAL PROTEIN g/dl	ALBUMIN g/dl	A/G RATIO	T-BILIRUBIN mg/dl	GLUCOSE mg/dl	T-CHOLESTEROL mg/dl	TRIGLYCERIDE mg/dl
Control	10	5.2± 0.1	2.7± 0.1	1.1± 0.1	0.10± 0.01	210± 26	80± 10	26± 11
1ppm	10	5.1± 0.1	2.7± 0.1	1.2± 0.1	0.11± 0.01	194± 27	71± 7	21± 7
2ppm	10	5.1± 0.1	2.7± 0.1	1.1± 0.0	0.10± 0.01	195± 31	75± 10	19± 10
5ppm	10	5.1± 0.2	2.7± 0.1	1.2± 0.1	0.10± 0.01	200± 28	76± 9	23± 12
10ppm	10	5.1± 0.1	2.8± 0.1	1.2± 0.1	0.11± 0.01	206± 23	72± 5	15± 5
20ppm	10	5.1± 0.2	2.7± 0.1	1.2± 0.1	0.10± 0.01	186± 30	71± 13	16± 11

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	PHOSPHOLIPID mg/dl	AST IU/l	ALT IU/l	LDH IU/l	ALP IU/l	G-GTP IU/l	CK IU/l
Control	10	163± 17	46± 4	15± 2	125± 16	229± 18	1± 1	40± 8
1ppm	10	147± 15	47± 10	17± 2	127± 26	242± 13	1± 0	42± 11
2ppm	10	150± 21	46± 8	17± 2	121± 32	248± 14	1± 1	42± 18
5ppm	10	155± 20	43± 5	16± 2	140± 57	236± 13	0± 0	38± 8
10ppm	10	144± 10	40± 3	16± 3	140± 40	240± 13	1± 1	38± 8
20ppm	10	141± 21	44± 8	17± 3	136± 38	238± 19	0± 0	45± 21

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	UREA NITROGEN mg/dl	SODIUM mEq/l	POTASSIUM mEq/l	CHLORIDE mEq/l	CALCIUM mg/dl	INORGANIC PHOSPHORUS mg/dl
Control	10	29.3± 4.1	153± 1	4.4± 0.2	123± 1	8.4± 0.3	6.4± 1.0
1ppm	10	26.9± 3.4	153± 2	4.3± 0.2	122± 1	8.4± 0.2	6.0± 1.0
2ppm	10	27.6± 3.8	153± 1	4.4± 0.3	123± 1	8.3± 0.1	6.1± 0.9
5ppm	10	26.7± 2.3	153± 1	4.2± 0.2	123± 1	8.4± 0.2	6.4± 0.6
10ppm	10	28.1± 3.7	153± 1	4.3± 0.3	123± 1	8.5± 0.2	6.1± 0.9
20ppm	10	26.3± 3.3	152± 1	4.2± 0.2	122± 1	8.4± 0.3	6.3± 0.9

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE G2

BIOCHEMISTRY : FEMALE

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	TOTAL PROTEIN g/dl	ALBUMIN g/dl	A/G RATIO	T-BILIRUBIN mg/dl	GLUCOSE mg/dl	T-CHOLESTEROL mg/dl	TRIGLYCERIDE mg/dl
Control	10	5.3± 0.1	3.0± 0.1	1.3± 0.1	0.09± 0.01	173± 19	69± 10	13± 6
1ppm	10	5.3± 0.1	3.1± 0.0	1.4± 0.1	0.10± 0.01	191± 10	70± 13	10± 5
2ppm	10	5.4± 0.1	3.1± 0.1	1.4± 0.1	0.09± 0.01	192± 19	72± 9	12± 7
5ppm	10	5.3± 0.1	3.0± 0.1	1.4± 0.1	0.09± 0.01	195± 24	69± 7	10± 4
10ppm	10	5.3± 0.1	3.1± 0.1	1.4± 0.1	0.10± 0.01	190± 14	74± 9	11± 6
20ppm	10	5.4± 0.2	3.1± 0.1	1.4± 0.1	0.09± 0.01	189± 21	73± 8	11± 4

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	PHOSPHOLIPID mg/dl	AST IU/l	ALT IU/l	LDH IU/l	ALP IU/l	G-GTP IU/l	CK IU/l
Control	10	133± 19	58± 6	20± 2	124± 13	375± 33	1± 1	61± 18
1ppm	10	125± 24	70± 20	23± 5	185± 79	412± 38	0± 0	88± 42
2ppm	10	134± 18	66± 16	23± 4	170± 55	395± 46	0± 0	68± 18
5ppm	10	129± 21	61± 17	21± 4	145± 41	404± 51	1± 0	70± 30
10ppm	10	134± 19	69± 18	23± 4	169± 34	395± 58	1± 1	85± 32
20ppm	10	138± 16	60± 19	21± 6	168± 73	373± 55	1± 1	76± 50

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	UREA NITROGEN mg/dl	SODIUM mEq/l	POTASSIUM mEq/l	CHLORIDE mEq/l	CALCIUM mg/dl	INORGANIC PHOSPHORUS mg/dl
Control	10	22.3± 1.4	152± 1	4.3± 0.2	123± 1	8.6± 0.2	6.4± 0.8
1ppm	10	23.8± 1.9	152± 1	4.2± 0.2	123± 2	8.4± 0.2	5.8± 0.5
2ppm	10	22.7± 1.8	152± 1	4.2± 0.3	123± 2	8.5± 0.2	6.0± 0.5
5ppm	10	23.4± 4.5	151± 1	4.2± 0.4	122± 2	8.5± 0.2	6.6± 0.5
10ppm	10	22.8± 3.2	152± 1	4.4± 0.2	122± 2	8.6± 0.2	5.8± 0.8
20ppm	10	22.2± 3.1	152± 1	4.4± 0.3	122± 2	8.7± 0.2	6.7± 0.6

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE H1

URINALYSIS : MALE

STUDY NO. : 0771 URINALYSIS
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

Group Name	NO. of Animals	pH 5.0	6.0	6.5	7.0	7.5	8.0	8.5	CHI	Protein −	±	+	2+	3+	4+	CHI	Glucose −	±	+	2+	3+	4+	CHI	Ketone body −	±	+	2+	3+	4+	CHI	Occult blood −	±	+	2+	3+	CHI
Control	10	0	0	1	0	0	1	8		0	1	9	0	0	0		10	0	0	0	0	0		2	3	4	1	0	0		10	0	0	0	0	
1ppm	10	0	0	1	1	2	1	5		0	2	7	1	0	0		10	0	0	0	0	0		1	4	4	1	0	0		10	0	0	0	0	
2ppm	10	0	0	3	1	1	1	4		0	4	4	2	0	0		10	0	0	0	0	0		1	4	5	0	0	0		10	0	0	0	0	
5ppm	10	0	0	0	1	2	1	6		0	4	6	0	0	0		10	0	0	0	0	0		1	4	4	1	0	0		10	0	0	0	0	
10ppm	10	0	1	0	2	2	1	4		0	3	6	1	0	0		10	0	0	0	0	0		1	3	5	1	0	0		10	0	0	0	0	
20ppm	10	0	0	2	0	0	1	7		0	4	4	2	0	0		10	0	0	0	0	0		2	0	5	3	0	0		10	0	0	0	0	

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of CHI SQUARE

Group Name	NO. of Animals	Urobilinogen ±	+	2+	3+	4+	CHI
Control	10	10	0	0	0	0	
1ppm	10	10	0	0	0	0	
2ppm	10	10	0	0	0	0	
5ppm	10	10	0	0	0	0	
10ppm	10	10	0	0	0	0	
20ppm	10	10	0	0	0	0	

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of CHI SQUARE

TABLE H2

URINALYSIS : FEMALE

STUDY NO. : 0771 URINALYSIS
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

Group Name	NO. of Animals	pH 5.0	6.0	6.5	7.0	7.5	8.0	8.5	CHI	Protein −	±	+	2+	3+	4+	CHI	Glucose −	±	+	2+	3+	4+	CHI	Ketone body −	±	+	2+	3+	4+	CHI	Occult blood −	±	+	2+	3+	CHI
Control	10	0	0	0	2	3	5	0		0	4	6	0	0	0		10	0	0	0	0	0		1	8	1	0	0	0		10	0	0	0	0	
1ppm	10	0	0	0	2	4	4	0		0	2	7	1	0	0		10	0	0	0	0	0		1	7	1	1	0	0		10	0	0	0	0	
2ppm	10	0	0	0	1	3	5	1		0	4	5	1	0	0		10	0	0	0	0	0		1	8	1	0	0	0		10	0	0	0	0	
5ppm	10	0	0	0	1	1	6	2		0	5	4	1	0	0		10	0	0	0	0	0		2	7	1	0	0	0		10	0	0	0	0	
10ppm	10	0	0	0	0	2	8	0		0	3	7	0	0	0		10	0	0	0	0	0		0	9	1	0	0	0		10	0	0	0	0	
20ppm	10	0	0	0	0	1	8	1		0	4	6	0	0	0		10	0	0	0	0	0		1	7	2	0	0	0		10	0	0	0	0	

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of CHI SQUARE

STUDY NO. : 0771 URINALYSIS
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

Group Name	NO. of Animals	Urobilinogen ±	+	2+	3+	4+	CHI
Control	10	10	0	0	0	0	
1ppm	10	10	0	0	0	0	
2ppm	10	10	0	0	0	0	
5ppm	10	10	0	0	0	0	
10ppm	10	10	0	0	0	0	
20ppm	10	10	0	0	0	0	

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of CHI SQUARE

TABLE I 1

GROSS FINDINGS : MALE

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE

GROSS FINDINGS (SUMMARY)
ALL ANIMALS (0- 14W)

Organ	Findings	Group Name / NO. of Animals	Control 10	(%)	1ppm 10	(%)	2ppm 10	(%)	5ppm 10	(%)
kidney	hydronephrosis		0	(0)	0	(0)	1	(10)	1	(10)

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE

GROSS FINDINGS (SUMMARY)
ALL ANIMALS (0- 14W)

Organ	Findings	Group Name	10ppm		20ppm	
		NO. of Animals	10	(%)	10	(%)
kidney	hydronephrosis		0	(0)	0	(0)

TABLE I 2

GROSS FINDINGS : FEMALE

Organ	Findings	Group Name / NO. of Animals	Control 10	(%)	1ppm 10	(%)	2ppm 10	(%)	5ppm 10	(%)
ovary	cyst		0	(0)	0	(0)	1	(10)	0	(0)

Organ	Findings	Group Name	10ppm		20ppm	
		NO. of Animals	10	(%)	10	(%)
ovary	cyst		0	(0)	0	(0)

TABLE J1

ORGAN WEIGHT, ABSOLUTE : MALE

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	Body Weight	THYMUS	ADRENALS	TESTES	HEART	LUNGS
Control	10	28.6± 1.6	0.032± 0.006	0.013± 0.002	0.203± 0.025	0.154± 0.010	0.142± 0.010
1ppm	10	27.7± 1.9	0.031± 0.004	0.012± 0.003	0.226± 0.035	0.156± 0.007	0.137± 0.003
2ppm	10	26.4± 2.4*	0.031± 0.005	0.013± 0.002	0.231± 0.034	0.154± 0.005	0.137± 0.005
5ppm	10	27.4± 1.3	0.035± 0.004	0.014± 0.004	0.250± 0.021**	0.154± 0.007	0.136± 0.005
10ppm	10	25.9± 1.6**	0.031± 0.005	0.012± 0.003	0.208± 0.022	0.145± 0.009	0.137± 0.008
20ppm	10	24.6± 1.1**	0.031± 0.005	0.012± 0.003	0.228± 0.017	0.138± 0.010**	0.134± 0.007

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	10	0.468± 0.026	0.055± 0.005	1.124± 0.077	0.437± 0.010
1ppm	10	0.456± 0.019	0.054± 0.008	1.104± 0.082	0.441± 0.009
2ppm	10	0.452± 0.027	0.054± 0.006	1.064± 0.078	0.444± 0.014
5ppm	10	0.551± 0.262	0.055± 0.006	1.117± 0.046	0.444± 0.012
10ppm	10	0.454± 0.027	0.051± 0.003*	1.044± 0.046*	0.444± 0.011
20ppm	10	0.429± 0.028*	0.050± 0.002**	0.992± 0.055**	0.436± 0.014

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE J2

ORGAN WEIGHT, ABSOLUTE : FEMALE

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	Body Weight	THYMUS	ADRENALS	OVARIES	HEART	LUNGS
Control	10	21.9± 0.9	0.040± 0.006	0.017± 0.004	0.034± 0.006	0.135± 0.010	0.144± 0.014
1ppm	10	20.8± 1.2	0.038± 0.006	0.016± 0.003	0.030± 0.005	0.127± 0.006	0.135± 0.005
2ppm	10	20.9± 1.0	0.038± 0.004	0.018± 0.004	0.038± 0.012	0.129± 0.008	0.138± 0.011
5ppm	10	21.4± 1.2	0.039± 0.004	0.018± 0.003	0.031± 0.004	0.130± 0.006	0.133± 0.005
10ppm	10	20.7± 1.2	0.036± 0.005	0.016± 0.002	0.029± 0.004	0.124± 0.007**	0.134± 0.008
20ppm	10	20.7± 1.1	0.037± 0.005	0.016± 0.001	0.030± 0.005	0.122± 0.008**	0.133± 0.008

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	10	0.325± 0.015	0.066± 0.004	0.956± 0.062	0.453± 0.013
1ppm	10	0.313± 0.013	0.064± 0.007	0.881± 0.065	0.454± 0.008
2ppm	10	0.318± 0.020	0.062± 0.007	0.926± 0.089	0.461± 0.016
5ppm	10	0.319± 0.016	0.064± 0.007	0.947± 0.055	0.460± 0.010
10ppm	10	0.314± 0.015	0.064± 0.007	0.884± 0.078	0.451± 0.008
20ppm	10	0.311± 0.010	0.062± 0.011	0.894± 0.076	0.453± 0.013

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE K1

ORGAN WEIGHT, RELATIVE : MALE

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	Body Weight (g)	THYMUS	ADRENALS	TESTES	HEART	LUNGS
Control	10	28.6± 1.6	0.113± 0.018	0.045± 0.009	0.713± 0.106	0.538± 0.024	0.498± 0.031
1ppm	10	27.7± 1.9	0.111± 0.018	0.045± 0.014	0.818± 0.142	0.564± 0.038	0.497± 0.037
2ppm	10	26.4± 2.4*	0.116± 0.019	0.051± 0.011	0.883± 0.165*	0.584± 0.040	0.522± 0.057
5ppm	10	27.4± 1.3	0.126± 0.014	0.051± 0.015	0.915± 0.105**	0.565± 0.043	0.496± 0.028
10ppm	10	25.9± 1.6**	0.119± 0.015	0.048± 0.009	0.806± 0.105	0.561± 0.017	0.531± 0.026
20ppm	10	24.6± 1.1**	0.127± 0.023	0.049± 0.010	0.930± 0.087**	0.560± 0.029	0.545± 0.035*

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	10	1.639± 0.097	0.193± 0.014	3.932± 0.159	1.533± 0.084
1ppm	10	1.651± 0.078	0.193± 0.024	3.983± 0.131	1.597± 0.117
2ppm	10	1.718± 0.123	0.204± 0.023	4.035± 0.128	1.694± 0.167*
5ppm	10	2.004± 0.899	0.201± 0.017	4.081± 0.104	1.626± 0.105
10ppm	10	1.755± 0.084*	0.196± 0.015	4.040± 0.144	1.722± 0.112**
20ppm	10	1.743± 0.083	0.204± 0.013	4.032± 0.097	1.774± 0.100**

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE K2

ORGAN WEIGHT, RELATIVE : FEMALE

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	Body Weight (g)	THYMUS	ADRENALS	OVARIES	HEART	LUNGS
Control	10	21.9± 0.9	0.181± 0.027	0.075± 0.017	0.156± 0.022	0.618± 0.043	0.657± 0.053
1ppm	10	20.8± 1.2	0.181± 0.025	0.076± 0.012	0.144± 0.021	0.612± 0.027	0.649± 0.040
2ppm	10	20.9± 1.0	0.180± 0.024	0.084± 0.020	0.185± 0.059	0.616± 0.027	0.660± 0.058
5ppm	10	21.4± 1.2	0.184± 0.013	0.084± 0.014	0.143± 0.014	0.608± 0.038	0.625± 0.033
10ppm	10	20.7± 1.2	0.174± 0.024	0.077± 0.013	0.142± 0.015	0.601± 0.017	0.650± 0.036
20ppm	10	20.7± 1.1	0.181± 0.022	0.079± 0.005	0.143± 0.023	0.592± 0.042	0.644± 0.046

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0771
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	10	1.483± 0.074	0.303± 0.015	4.362± 0.168	2.070± 0.088
1ppm	10	1.504± 0.064	0.306± 0.026	4.223± 0.135	2.185± 0.108
2ppm	10	1.522± 0.062	0.298± 0.024	4.427± 0.227	2.212± 0.109
5ppm	10	1.496± 0.081	0.302± 0.028	4.435± 0.171	2.157± 0.140
10ppm	10	1.519± 0.049	0.311± 0.027	4.272± 0.166	2.189± 0.125
20ppm	10	1.505± 0.072	0.301± 0.048	4.322± 0.257	2.197± 0.153

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE L1

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : MALE

Organ	Findings	Group Name / No. of Animals on Study / Grade	Control 10				1ppm 10				2ppm 10				5ppm 10			
			1 (%)	2 (%)	3 (%)	4 (%)	1 (%)	2 (%)	3 (%)	4 (%)	1 (%)	2 (%)	3 (%)	4 (%)	1 (%)	2 (%)	3 (%)	4 (%)
{Respiratory system}																		
nasal cavit			<10>				<10>				<10>				<10>			
	inflammatory infiltration		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (10)	0 (0)	0 (0)	0 (0)
	exudate:neutrophil leukocyte		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hyperplasia:gland		0 (0)	0 (0)	0 (0)	0 (0)	2 (20)	0 (0)	0 (0)	0 (0)	7 (70)	0 (0)	0 (0)	0 ** (0)	10 (100)	0 (0)	0 (0)	0 ** (0)
	eosinophilic change:respiratory epithelium		1 (10)	0 (0)	0 (0)	0 (0)	1 (10)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (10)	0 (0)	0 (0)	0 (0)
	respiratory metaplasia:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (10)	0 (0)	0 (0)	0 (0)	6 (60)	0 (0)	0 (0)	0 * (0)
	respiratory metaplasia:gland		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	atrophy:olfactory gland		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	regeneration:respiratory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	7 (70)	0 (0)	0 (0)	0 ** (0)	10 (100)	0 (0)	0 (0)	0 ** (0)	10 (100)	0 (0)	0 (0)	0 ** (0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	10ppm				20ppm			
		No. of Animals on Study	10				10			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}										
nasal cavit			<10>				<10>			
	inflammatory infiltration		0	0	0	0	2	0	0	0
			(0)	(0)	(0)	(0)	(20)	(0)	(0)	(0)
	exudate:neutrophil leukocyte		0	0	0	0	4	0	0	0
			(0)	(0)	(0)	(0)	(40)	(0)	(0)	(0)
	hyperplasia:gland		10	0	0	0 **	2	8	0	0 **
			(100)	(0)	(0)	(0)	(20)	(80)	(0)	(0)
	eosinophilic change:respiratory epithelium		5	0	0	0	6	0	0	0
			(50)	(0)	(0)	(0)	(60)	(0)	(0)	(0)
	respiratory metaplasia:olfactory epithelium		7	0	0	0 **	10	0	0	0 **
			(70)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	respiratory metaplasia:gland		8	0	0	0 **	9	0	0	0 **
			(80)	(0)	(0)	(0)	(90)	(0)	(0)	(0)
	atrophy:olfactory gland		10	0	0	0 **	10	0	0	0 **
			(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	regeneration:respiratory epithelium		10	0	0	0 **	10	0	0	0 **
			(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	Control				1ppm				2ppm				5ppm			
		No. of Animals on Study	10				10				10				10			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																		
nasal cavit			<10>				<10>				<10>				<10>			
	regeneration:olfactory epithelium		0	0	0	0	2	0	0	0	10	0	0	0 **	10	0	0	0 **
			(0)	(0)	(0)	(0)	(20)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	atrophy:olfactory epithelium		0	0	0	0	0	0	0	0	2	0	0	0	6	1	0	0 **
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(20)	(0)	(0)	(0)	(60)	(10)	(0)	(0)
	necrosis:olfactory epithelium		0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(20)	(0)	(0)	(0)
	necrosis:respiratory epithelium		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Hematopoietic system}																		
spleen			<10>				<10>				<10>				<10>			
	deposit of melanin		0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(10)	(0)	(0)	(0)
{Urinary system}																		
kidney			<10>				<10>				<10>				<10>			
	inflammatory polyp		0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(10)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	10ppm				20ppm			
		No. of Animals on Study	10				10			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}										
nasal cavit			<10>				<10>			
	regeneration:olfactory epithelium		10	0	0	0 **	10	0	0	0 **
			(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	atrophy:olfactory epithelium		9	0	0	0 **	7	3	0	0 **
			(90)	(0)	(0)	(0)	(70)	(30)	(0)	(0)
	necrosis:olfactory epithelium		5	0	0	0 *	6	0	0	0 *
			(50)	(0)	(0)	(0)	(60)	(0)	(0)	(0)
	necrosis:respiratory epithelium		4	0	0	0	4	0	0	0
			(40)	(0)	(0)	(0)	(40)	(0)	(0)	(0)
{Hematopoietic system}										
spleen			<10>				<10>			
	deposit of melanin		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Urinary system}										
kidney			<10>				<10>			
	inflammatory polyp		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	Control				1ppm				2ppm				5ppm			
		No. of Animals on Study	10				10				10				10			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Urinary system}																		
kidney			<10>				<10>				<10>				<10>			
	hydronephrosis		0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(10)	(0)
{Endocrine system}																		
adrenal			<10>				<10>				<10>				<10>			
	spindle-cell hyperplasia		3	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0
			(30)	(0)	(0)	(0)	(20)	(0)	(0)	(0)	(20)	(0)	(0)	(0)	(20)	(0)	(0)	(0)
{Reproductive system}																		
epididymis			<10>				<10>				<10>				<10>			
	spermatogenic granuloma		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	10ppm				20ppm			
		No. of Animals on Study	10				10			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Urinary system}										
kidney			<10>				<10>			
	hydronephrosis		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Endocrine system}										
adrenal			<10>				<10>			
	spindle-cell hyperplasia		2	0	0	0	2	0	0	0
			(20)	(0)	(0)	(0)	(20)	(0)	(0)	(0)
{Reproductive system}										
epididymis			<10>				<10>			
	spermatogenic granuloma		0	0	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

TABLE L2

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : FEMALE

Organ	Findings	Group Name / No. of Animals on Study / Grade	Control 10				1ppm 10				2ppm 10				5ppm 10			
			1 (%)	2 (%)	3 (%)	4 (%)	1 (%)	2 (%)	3 (%)	4 (%)	1 (%)	2 (%)	3 (%)	4 (%)	1 (%)	2 (%)	3 (%)	4 (%)
(Respiratory system)																		
nasal cavit			<10>				<10>				<10>				<10>			
	inflammatory infiltration		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	exudate:neutrophil leukocyte		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hyperplasia:gland		0 (0)	0 (0)	0 (0)	0 (0)	7 (70)	0 (0)	0 (0)	0 ** (0)	10 (100)	0 (0)	0 (0)	0 ** (0)	7 (70)	3 (30)	0 (0)	0 ** (0)
	eosinophilic change:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	7 (70)	0 (0)	0 (0)	0 ** (0)	9 (90)	0 (0)	0 (0)	0 ** (0)	8 (80)	0 (0)	0 (0)	0 ** (0)
	eosinophilic change:respiratory epithelium		6 (60)	0 (0)	0 (0)	0 (0)	10 (100)	0 (0)	0 (0)	0 (0)	8 (80)	2 (20)	0 (0)	0 * (0)	9 (90)	1 (10)	0 (0)	0 (0)
	respiratory metaplasia:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	2 (20)	0 (0)	0 (0)	0 (0)	4 (40)	0 (0)	0 (0)	0 (0)	10 (100)	0 (0)	0 (0)	0 ** (0)
	respiratory metaplasia:gland		0 (0)	0 (0)	0 (0)	0 (0)	1 (10)	0 (0)	0 (0)	0 (0)	3 (30)	0 (0)	0 (0)	0 (0)	5 (50)	0 (0)	0 (0)	0 * (0)
	atrophy:olfactory gland		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	10ppm				20ppm			
		No. of Animals on Study	10				10			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Respiratory system)										
nasal cavit			<10>				<10>			
	inflammatory infiltration		0	0	0	0	4	0	0	0
			(0)	(0)	(0)	(0)	(40)	(0)	(0)	(0)
	exudate:neutrophil leukocyte		0	0	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)
	hyperplasia:gland		8	2	0	0 **	2	8	0	0 **
			(80)	(20)	(0)	(0)	(20)	(80)	(0)	(0)
	eosinophilic change:olfactory epithelium		4	0	0	0	6	0	0	0 *
			(40)	(0)	(0)	(0)	(60)	(0)	(0)	(0)
	eosinophilic change:respiratory epithelium		9	1	0	0	8	2	0	0 *
			(90)	(10)	(0)	(0)	(80)	(20)	(0)	(0)
	respiratory metaplasia:olfactory epithelium		10	0	0	0 **	10	0	0	0 **
			(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	respiratory metaplasia:gland		10	0	0	0 **	8	1	0	0 **
			(100)	(0)	(0)	(0)	(80)	(10)	(0)	(0)
	atrophy:olfactory gland		0	0	0	0	6	0	0	0 *
			(0)	(0)	(0)	(0)	(60)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	Control				1ppm				2ppm				5ppm			
		No. of Animals on Study	10				10				10				10			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																		
nasal cavit			<10>				<10>				<10>				<10>			
	regeneration:respiratory epithelium		0	0	0	0	10	0	0	0 **	5	0	0	0 *	10	0	0	0 **
			(0)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(50)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	regeneration:olfactory epithelium		0	0	0	0	9	0	0	0 **	10	0	0	0 **	10	0	0	0 **
			(0)	(0)	(0)	(0)	(90)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	atrophy:olfactory epithelium		0	0	0	0	5	0	0	0 *	6	0	0	0 *	9	0	0	0 **
			(0)	(0)	(0)	(0)	(50)	(0)	(0)	(0)	(60)	(0)	(0)	(0)	(90)	(0)	(0)	(0)
	necrosis:olfactory epithelium		0	0	0	0	3	0	0	0	4	0	0	0	3	0	0	0
			(0)	(0)	(0)	(0)	(30)	(0)	(0)	(0)	(40)	(0)	(0)	(0)	(30)	(0)	(0)	(0)
	necrosis:respiratory epithelium		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
nasopharynx			<10>				<10>				<10>				<10>			
	eosinophilic change		0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(10)	(10)	(0)	(10)	(10)	(0)	(0)
	regenaration:epithelium		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Hematopoietic system}																		
spleen			<10>				<10>				<10>				<10>			
	deposit of melanin		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference : * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	10ppm				20ppm			
		No. of Animals on Study	10				10			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}										
nasal cavit			<10>				<10>			
	regeneration:respiratory epithelium		10	0	0	0 **	10	0	0	0 **
			(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	regeneration:olfactory epithelium		10	0	0	0 **	10	0	0	0 **
			(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	atrophy:olfactory epithelium		10	0	0	0 **	3	7	0	0 **
			(100)	(0)	(0)	(0)	(30)	(70)	(0)	(0)
	necrosis:olfactory epithelium		3	0	0	0	4	0	0	0
			(30)	(0)	(0)	(0)	(40)	(0)	(0)	(0)
	necrosis:respiratory epithelium		5	0	0	0 *	4	0	0	0
			(50)	(0)	(0)	(0)	(40)	(0)	(0)	(0)
nasopharynx			<10>				<10>			
	eosinophilic change		0	0	1	0	4	2	0	0 *
			(0)	(0)	(10)	(0)	(40)	(20)	(0)	(0)
	regenaration:epithelium		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Hematopoietic system}										
spleen			<10>				<10>			
	deposit of melanin		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	Control				1ppm				2ppm				5ppm			
		No. of Animals on Study	10				10				10				10			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}																		
liver			<10>				<10>				<10>				<10>			
	inflammatory cell nest		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Endocrine system}																		
adrenal			<10>				<10>				<10>				<10>			
	spindle-cell hyperplasia		8	2	0	0	7	3	0	0	9	0	0	0	7	2	0	0
			(80)	(20)	(0)	(0)	(70)	(30)	(0)	(0)	(90)	(0)	(0)	(0)	(70)	(20)	(0)	(0)
{Reproductive system}																		
ovary			<10>				<10>				<10>				<10>			
	cyst		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	10ppm				20ppm			
		No. of Animals on Study	10				10			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}										
liver			<10>				<10>			
	inflammatory cell nest		1	0	0	0	0	0	0	0
			(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Endocrine system}										
adrenal			<10>				<10>			
	spindle-cell hyperplasia		9	1	0	0	9	1	0	0
			(90)	(10)	(0)	(0)	(90)	(10)	(0)	(0)
{Reproductive system}										
ovary			<10>				<10>			
	cyst		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square