メチルアミンのマウスを用いた
吸入による13週間毒性試験報告書

試験番号：0708

TABLES

TABLES

TABLES (CONTINUED)

TABLE A

CONCENTRATIONS OF METHYLAMINE IN THE INHALATION CHAMBER OF THE 13-WEEK INHALATION STUDY

CONCENTRATIONS OF METHYLAMINE IN THE INHALATION CHAMBER OF THE 13-WEEK INHALATION STUDY

Group Name	Concentration(ppm) Mean ± S.D.
Control	0.0 ± 0.0
10 ppm	10.0 ± 0.5
20 ppm	19.6 ± 1.0
40 ppm	40.6 ± 1.6
80 ppm	78.1 ± 2.8
160 ppm	158.1 ± 3.3

TABLE B1

SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0708

SURVIVAL ANIMAL NUMBERS

ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]

REPORT TYPE : A1 13

SEX : MALE

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
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	9/ 9	9/ 9	9/ 9	9/ 9	9/ 9	9/ 9	9/ 9	9/ 9	9/ 9	9/ 9	9/ 9	9/ 9
		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
40ppm	10	10/10	10/10	10/10	10/10	10/10	9/10	9/10	9/10	9/10	9/10	9/10	9/10	9/10	9/10
		100.0	100.0	100.0	100.0	100.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
80ppm	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
160ppm	10	10/10	10/10	9/ 9	9/ 9	9/ 9	9/ 9	9/ 9	9/ 9	9/ 9	9/ 9	9/ 9	9/ 9	9/ 9	9/ 9
		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. : 0708
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
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
40ppm	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
80ppm	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
160ppm	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. : 0708
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
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0
	10ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	20ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	40ppm	0	0	0	0	1	1	1	1	1	1	1	1	1
	80ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	160ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
LATERAL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0
	10ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	20ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	40ppm	0	0	0	0	1	0	0	0	0	0	0	0	0
	80ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	160ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0
	10ppm	0	0	0	0	0	0	1	1	1	1	1	1	2
	20ppm	0	0	0	1	1	1	1	3	3	3	2	2	2
	40ppm	0	0	0	1	1	0	0	0	0	0	0	0	0
	80ppm	0	0	0	0	0	0	0	1	1	1	0	0	0
	160ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0
	10ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	20ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	40ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	80ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	160ppm	0	0	0	0	0	0	1	1	2	0	0	0	1
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0
	10ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	20ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	40ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	80ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	160ppm	0	0	0	0	0	0	3	3	4	0	1	1	1
BRADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0
	10ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	20ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	40ppm	0	0	0	0	1	0	0	0	0	0	0	0	0
	80ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	160ppm	0	0	0	0	0	0	0	0	0	0	0	0	0

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
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0
	10ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	20ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	40ppm	0	0	0	0	1	0	0	0	0	0	0	0	0
	80ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	160ppm	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE C2

CLINICAL OBSERVATION : 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
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0
	10ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	20ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	40ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	80ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	160ppm	0	0	0	0	0	0	0	0	1	0	3	3	4

TABLE D1

BODY WEIGHT CHANGES AND SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0708
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>	10ppm Av. Wt.	10ppm % of cont. <10>	10ppm No. of Surviv.	20ppm Av. Wt.	20ppm % of cont. < 9>	20ppm No. of Surviv.	40ppm Av. Wt.	40ppm % of cont. <10>	40ppm No. of Surviv.	80ppm Av. Wt.	80ppm % of cont. <10>	80ppm No. of Surviv.	160ppm Av. Wt.	160ppm % of cont. < 9>	160ppm No. of Surviv.
0-0	24.4 (10)	10/10	24.4 (10)	100	10/10	24.4 (9)	100	9/ 9	24.4 (10)	100	10/10	24.4 (10)	100	10/10	24.4 (9)	100	9/ 9
1-7	25.7 (10)	10/10	25.7 (10)	100	10/10	25.1 (9)	98	9/ 9	25.4 (10)	99	10/10	24.3 (10)	95	10/10	23.2 (9)	90	9/ 9
2-7	26.5 (10)	10/10	26.0 (10)	98	10/10	25.7 (9)	97	9/ 9	25.6 (10)	97	10/10	24.2 (10)	91	10/10	22.7 (9)	86	9/ 9
3-7	27.2 (10)	10/10	26.7 (10)	98	10/10	25.7 (9)	94	9/ 9	26.1 (10)	96	10/10	24.2 (10)	89	10/10	22.7 (9)	83	9/ 9
4-7	28.0 (10)	10/10	27.8 (10)	99	10/10	26.3 (9)	94	9/ 9	26.6 (10)	95	10/10	24.6 (10)	88	10/10	22.8 (9)	81	9/ 9
5-7	28.9 (10)	10/10	28.3 (10)	98	10/10	27.1 (9)	94	9/ 9	27.6 (9)	96	9/10	25.3 (10)	88	10/10	23.3 (9)	81	9/ 9
6-7	29.7 (10)	10/10	29.3 (10)	99	10/10	28.0 (9)	94	9/ 9	28.4 (9)	96	9/10	25.9 (10)	87	10/10	23.4 (9)	79	9/ 9
7-7	30.6 (10)	10/10	30.3 (10)	99	10/10	28.5 (9)	93	9/ 9	29.2 (9)	95	9/10	25.9 (10)	85	10/10	23.3 (9)	76	9/ 9
8-7	31.3 (10)	10/10	31.0 (10)	99	10/10	29.2 (9)	93	9/ 9	29.6 (9)	95	9/10	26.2 (10)	84	10/10	23.4 (9)	75	9/ 9
9-7	32.3 (10)	10/10	31.6 (10)	98	10/10	29.6 (9)	92	9/ 9	30.4 (9)	94	9/10	26.6 (10)	82	10/10	23.5 (9)	73	9/ 9
10-7	32.7 (10)	10/10	32.0 (10)	98	10/10	30.0 (9)	92	9/ 9	31.0 (9)	95	9/10	26.8 (10)	82	10/10	23.9 (9)	73	9/ 9
11-7	33.4 (10)	10/10	32.8 (10)	98	10/10	31.1 (9)	93	9/ 9	32.0 (9)	96	9/10	28.2 (10)	84	10/10	25.5 (9)	76	9/ 9
12-7	34.2 (10)	10/10	32.9 (10)	96	10/10	31.5 (9)	92	9/ 9	32.6 (9)	95	9/10	27.8 (10)	81	10/10	24.9 (9)	73	9/ 9
13-7	34.6 (10)	10/10	33.6 (10)	97	10/10	32.2 (9)	93	9/ 9	33.0 (9)	95	9/10	27.9 (10)	81	10/10	25.1 (9)	73	9/ 9

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

TABLE D2

BODY WEIGHT CHANGES AND SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0708
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>	10ppm Av. Wt.	10ppm % of cont. <10>	10ppm No. of Surviv.	20ppm Av. Wt.	20ppm % of cont. <10>	20ppm No. of Surviv.	40ppm Av. Wt.	40ppm % of cont. <10>	40ppm No. of Surviv.	80ppm Av. Wt.	80ppm % of cont. <10>	80ppm No. of Surviv.	160ppm Av. Wt.	160ppm % of cont. <10>	160ppm No. of Surviv.
0-0	20.5 (10)	10/10	20.5 (10)	100	10/10	20.5 (10)	100	10/10	20.5 (10)	100	10/10	20.5 (10)	100	10/10	20.5 (10)	100	10/10
1-7	20.9 (10)	10/10	20.5 (10)	98	10/10	20.3 (10)	97	10/10	20.6 (10)	99	10/10	20.1 (10)	96	10/10	19.0 (10)	91	10/10
2-7	21.3 (10)	10/10	20.9 (10)	98	10/10	20.8 (10)	98	10/10	20.9 (10)	98	10/10	19.7 (10)	92	10/10	18.5 (10)	87	10/10
3-7	22.0 (10)	10/10	21.5 (10)	98	10/10	21.7 (10)	99	10/10	21.9 (10)	100	10/10	19.8 (10)	90	10/10	18.2 (10)	83	10/10
4-7	22.4 (10)	10/10	22.6 (10)	101	10/10	22.6 (10)	101	10/10	22.7 (10)	101	10/10	20.5 (10)	92	10/10	19.0 (10)	85	10/10
5-7	22.6 (10)	10/10	22.5 (10)	100	10/10	22.6 (10)	100	10/10	23.1 (10)	102	10/10	20.7 (10)	92	10/10	19.1 (10)	85	10/10
6-7	23.3 (10)	10/10	24.3 (10)	104	10/10	23.7 (10)	102	10/10	23.4 (10)	100	10/10	21.4 (10)	92	10/10	19.6 (10)	84	10/10
7-7	24.1 (10)	10/10	24.3 (10)	101	10/10	24.7 (10)	102	10/10	24.6 (10)	102	10/10	21.7 (10)	90	10/10	19.8 (10)	82	10/10
8-7	24.3 (10)	10/10	24.4 (10)	100	10/10	24.8 (10)	102	10/10	24.8 (10)	102	10/10	22.2 (10)	91	10/10	20.3 (10)	84	10/10
9-7	24.2 (10)	10/10	25.0 (10)	103	10/10	24.5 (10)	101	10/10	24.7 (10)	102	10/10	22.7 (10)	94	10/10	20.5 (10)	85	10/10
10-7	25.1 (10)	10/10	25.1 (10)	100	10/10	24.7 (10)	98	10/10	24.8 (10)	99	10/10	23.3 (10)	93	10/10	20.7 (10)	82	10/10
11-7	25.1 (10)	10/10	25.4 (10)	101	10/10	25.3 (10)	101	10/10	25.2 (10)	100	10/10	23.6 (10)	94	10/10	21.4 (10)	85	10/10
12-7	25.5 (10)	10/10	25.7 (10)	101	10/10	25.4 (10)	100	10/10	25.4 (10)	100	10/10	23.1 (10)	91	10/10	21.2 (10)	83	10/10
13-7	25.7 (10)	10/10	26.3 (10)	102	10/10	26.1 (10)	102	10/10	26.3 (10)	102	10/10	23.4 (10)	91	10/10	21.3 (10)	83	10/10

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

TABLE D3

BODY WEIGHT CHANGES : MALE

STUDY NO. : 0708
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	24.4± 0.8	25.7± 0.8	26.5± 0.9	27.2± 0.9	28.0± 1.1	28.9± 1.2	29.7± 1.5
10ppm	24.4± 0.7	25.7± 0.9	26.0± 1.4	26.7± 1.5	27.8± 1.7	28.3± 1.8	29.3± 1.6
20ppm	24.4± 0.8	25.1± 1.0	25.7± 0.9	25.7± 1.3*	26.3± 1.6	27.1± 1.5*	28.0± 1.6
40ppm	24.4± 0.7	25.4± 0.7	25.6± 0.9	26.1± 1.5	26.6± 1.9	27.6± 1.3	28.4± 1.6
80ppm	24.4± 0.7	24.3± 0.8**	24.2± 0.8**	24.2± 0.9**	24.6± 1.0**	25.3± 1.1**	25.9± 1.5**
160ppm	24.4± 0.8	23.2± 0.9**	22.7± 1.1**	22.7± 0.9**	22.8± 0.8**	23.3± 1.0**	23.4± 1.4**

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

STUDY NO. : 0708
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	30.6± 1.4	31.3± 1.4	32.3± 1.4	32.7± 1.7	33.4± 1.6	34.2± 1.6	34.6± 1.5
10ppm	30.3± 1.7	31.0± 1.8	31.6± 1.7	32.0± 1.7	32.8± 1.8	32.9± 2.3	33.6± 2.1
20ppm	28.5± 1.4*	29.2± 1.6*	29.6± 1.4**	30.0± 1.6*	31.1± 1.6*	31.5± 1.7*	32.2± 1.9*
40ppm	29.2± 1.9	29.6± 2.3	30.4± 2.3	31.0± 2.1	32.0± 2.4	32.6± 2.4	33.0± 2.1
80ppm	25.9± 1.3**	26.2± 1.3**	26.6± 1.5**	26.8± 1.7**	28.2± 1.7**	27.8± 1.5**	27.9± 1.4**
160ppm	23.3± 1.5**	23.4± 2.1**	23.5± 2.2**	23.9± 2.2**	25.5± 1.9**	24.9± 2.4**	25.1± 3.1**

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

TABLE D4

BODY WEIGHT CHANGES : FEMALE

STUDY NO. : 0708
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	20.5± 0.8	20.9± 0.9	21.3± 1.1	22.0± 0.7	22.4± 0.8	22.6± 0.8	23.3± 0.5
10ppm	20.5± 0.8	20.5± 0.9	20.9± 0.9	21.5± 1.0	22.6± 1.0	22.5± 0.7	24.3± 1.2*
20ppm	20.5± 0.8	20.3± 1.1	20.8± 0.9	21.7± 0.9	22.6± 0.6	22.6± 0.5	23.7± 0.7
40ppm	20.5± 0.8	20.6± 0.6	20.9± 0.7	21.9± 0.4	22.7± 0.6	23.1± 0.6	23.4± 0.5
80ppm	20.5± 0.8	20.1± 0.7	19.7± 0.8**	19.8± 0.8**	20.5± 1.0**	20.7± 0.9**	21.4± 0.7**
160ppm	20.5± 0.8	19.0± 0.6**	18.5± 0.8**	18.2± 0.6**	19.0± 0.7**	19.1± 0.6**	19.6± 0.8**

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

STUDY NO. : 0708
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	24.1± 0.9	24.3± 0.8	24.2± 0.8	25.1± 1.1	25.1± 1.0	25.5± 1.0	25.7± 1.0
10ppm	24.3± 1.5	24.4± 1.0	25.0± 1.2	25.1± 0.9	25.4± 1.4	25.7± 1.3	26.3± 1.2
20ppm	24.7± 1.2	24.8± 0.8	24.5± 0.9	24.7± 0.9	25.3± 0.9	25.4± 0.9	26.1± 0.9
40ppm	24.6± 0.7	24.8± 0.6	24.7± 0.8	24.8± 0.8	25.2± 0.7	25.4± 0.9	26.3± 0.5
80ppm	21.7± 0.8**	22.2± 0.9**	22.7± 0.8**	23.3± 1.0**	23.6± 0.9*	23.1± 0.6**	23.4± 0.8**
160ppm	19.8± 0.7**	20.3± 0.9**	20.5± 0.9**	20.7± 1.4**	21.4± 1.6**	21.2± 1.4**	21.3± 1.5**

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

TABLE E1

FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0708
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>	10ppm Av. FC.	10ppm % of cont. <10>	10ppm No. of Surviv.	20ppm Av. FC.	20ppm % of cont. < 9>	20ppm No. of Surviv.	40ppm Av. FC.	40ppm % of cont. <10>	40ppm No. of Surviv.	80ppm Av. FC.	80ppm % of cont. <10>	80ppm No. of Surviv.	160ppm Av. FC.	160ppm % of cont. < 9>	160ppm No. of Surviv.
1-7	4.3 (10)	10/10	4.3 (10)	100	10/10	4.1 (9)	95	9/ 9	4.1 (10)	95	10/10	3.8 (10)	88	10/10	3.6 (9)	84	9/ 9
2-7	4.3 (10)	10/10	4.3 (10)	100	10/10	4.0 (9)	93	9/ 9	4.1 (10)	95	10/10	3.6 (10)	84	10/10	3.3 (9)	77	9/ 9
3-7	4.3 (10)	10/10	4.7 (10)	109	10/10	3.9 (9)	91	9/ 9	4.2 (10)	98	10/10	3.4 (10)	79	10/10	3.5 (9)	81	9/ 9
4-7	4.3 (10)	10/10	4.6 (10)	107	10/10	4.3 (9)	100	9/ 9	4.3 (10)	100	10/10	3.7 (10)	86	10/10	3.5 (9)	81	9/ 9
5-7	4.6 (10)	10/10	4.8 (10)	104	10/10	4.4 (9)	96	9/ 9	4.4 (9)	96	9/10	3.9 (10)	85	10/10	3.6 (9)	78	9/ 9
6-7	4.4 (10)	10/10	4.8 (10)	109	10/10	4.3 (9)	98	9/ 9	4.4 (9)	100	9/10	3.7 (10)	84	10/10	3.5 (9)	80	9/ 9
7-7	4.5 (10)	10/10	4.8 (10)	107	10/10	4.3 (9)	96	9/ 9	4.5 (9)	100	9/10	3.7 (10)	82	10/10	3.5 (9)	78	9/ 9
8-7	4.7 (10)	10/10	5.1 (10)	109	10/10	4.6 (9)	98	9/ 9	4.5 (9)	96	9/10	3.8 (10)	81	10/10	3.6 (9)	77	9/ 9
9-7	4.7 (10)	10/10	4.8 (10)	102	10/10	4.4 (9)	94	9/ 9	4.4 (9)	94	9/10	3.8 (10)	81	10/10	3.6 (9)	77	9/ 9
10-7	4.7 (10)	10/10	4.9 (10)	104	10/10	4.5 (9)	96	9/ 9	4.4 (9)	94	9/10	3.8 (10)	81	10/10	3.8 (9)	81	9/ 9
11-7	4.6 (10)	10/10	5.0 (10)	109	10/10	4.7 (9)	102	9/ 9	4.7 (9)	102	9/10	4.2 (10)	91	10/10	4.0 (9)	87	9/ 9
12-7	4.7 (10)	10/10	5.0 (5)	106	10/10	4.6 (9)	98	9/ 9	4.7 (9)	100	9/10	4.0 (10)	85	10/10	3.8 (9)	81	9/ 9
13-7	4.5 (10)	10/10	4.9 (10)	109	10/10	4.5 (9)	100	9/ 9	4.6 (9)	102	9/10	3.9 (10)	87	10/10	3.9 (9)	87	9/ 9

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

TABLE E2

FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0708
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>	10ppm Av. FC.	10ppm % of cont. <10>	10ppm No. of Surviv.	20ppm Av. FC.	20ppm % of cont. <10>	20ppm No. of Surviv.	40ppm Av. FC.	40ppm % of cont. <10>	40ppm No. of Surviv.	80ppm Av. FC.	80ppm % of cont. <10>	80ppm No. of Surviv.	160ppm Av. FC.	160ppm % of cont. <10>	160ppm No. of Surviv.
1-7	3.4 (10)	10/10	3.2 (10)	94	10/10	3.3 (10)	97	10/10	3.3 (10)	97	10/10	3.2 (10)	94	10/10	2.9 (10)	85	10/10
2-7	3.8 (10)	10/10	3.7 (10)	97	10/10	3.7 (10)	97	10/10	3.6 (10)	95	10/10	3.2 (10)	84	10/10	2.3 (10)	61	10/10
3-7	3.8 (10)	10/10	3.9 (10)	103	10/10	3.9 (10)	103	10/10	3.8 (10)	100	10/10	3.3 (10)	87	10/10	3.1 (10)	82	10/10
4-7	3.9 (10)	10/10	4.1 (10)	105	10/10	4.0 (10)	103	10/10	4.0 (10)	103	10/10	3.4 (10)	87	10/10	3.2 (10)	82	10/10
5-7	4.2 (10)	10/10	4.2 (10)	100	10/10	4.3 (10)	102	10/10	4.2 (10)	100	10/10	3.6 (10)	86	10/10	3.4 (10)	81	10/10
6-7	4.2 (10)	10/10	4.3 (10)	102	10/10	4.4 (10)	105	10/10	4.1 (10)	98	10/10	3.6 (10)	86	10/10	3.4 (10)	81	10/10
7-7	4.4 (10)	10/10	4.3 (10)	98	10/10	4.5 (10)	102	10/10	4.3 (10)	98	10/10	3.6 (10)	82	10/10	3.4 (10)	77	10/10
8-7	4.5 (10)	10/10	4.5 (10)	100	10/10	4.6 (10)	102	10/10	4.4 (10)	98	10/10	3.7 (10)	82	10/10	3.5 (10)	78	10/10
9-7	4.4 (10)	10/10	4.5 (10)	102	10/10	4.3 (10)	98	10/10	4.2 (10)	95	10/10	3.8 (10)	86	10/10	3.4 (10)	77	10/10
10-7	4.5 (10)	10/10	4.4 (10)	98	10/10	4.4 (10)	98	10/10	4.2 (10)	93	10/10	3.9 (10)	87	10/10	3.4 (10)	76	10/10
11-7	4.4 (10)	10/10	4.4 (10)	100	10/10	4.5 (10)	102	10/10	4.3 (10)	98	10/10	4.0 (10)	91	10/10	3.6 (10)	82	10/10
12-7	4.4 (10)	10/10	4.4 (10)	100	10/10	4.3 (10)	98	10/10	4.3 (10)	98	10/10	3.8 (10)	86	10/10	3.4 (10)	77	10/10
13-7	4.2 (10)	10/10	4.4 (10)	105	10/10	4.3 (10)	102	10/10	4.4 (10)	105	10/10	3.8 (10)	90	10/10	3.5 (10)	83	10/10

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

TABLE E3

FOOD CONSUMPTION CHANGES : MALE

STUDY NO. : 0708
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	4.3± 0.2	4.3± 0.2	4.3± 0.2	4.3± 0.2	4.6± 0.2	4.4± 0.3	4.5± 0.2
10ppm	4.3± 0.3	4.3± 0.4	4.7± 0.7	4.6± 0.4	4.8± 0.4	4.8± 0.4	4.8± 0.4
20ppm	4.1± 0.3	4.0± 0.2	3.9± 0.3**	4.3± 0.5	4.4± 0.3	4.3± 0.3	4.3± 0.3
40ppm	4.1± 0.3	4.1± 0.2	4.2± 0.2	4.3± 0.4	4.4± 0.3	4.4± 0.4	4.5± 0.4
80ppm	3.8± 0.3**	3.6± 0.4**	3.4± 0.4**	3.7± 0.3**	3.9± 0.2**	3.7± 0.2**	3.7± 0.2**
160ppm	3.6± 0.3**	3.3± 0.3**	3.5± 0.2**	3.5± 0.2**	3.6± 0.3**	3.5± 0.3**	3.5± 0.4**

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

STUDY NO. : 0708
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± 0.3	4.7± 0.2	4.7± 0.3	4.6± 0.2	4.7± 0.3	4.5± 0.3
10ppm	5.1± 0.2*	4.8± 0.2	4.9± 0.2	5.0± 0.3*	5.0± 0.3	4.9± 0.3*
20ppm	4.6± 0.4	4.4± 0.3	4.5± 0.3	4.7± 0.3	4.6± 0.3	4.5± 0.3
40ppm	4.5± 0.4	4.4± 0.4	4.4± 0.3	4.7± 0.4	4.7± 0.3	4.6± 0.3
80ppm	3.8± 0.3**	3.8± 0.3**	3.8± 0.4**	4.2± 0.3**	4.0± 0.3**	3.9± 0.3**
160ppm	3.6± 0.4**	3.6± 0.3**	3.8± 0.3**	4.0± 0.3**	3.8± 0.5**	3.9± 0.2**

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

TABLE E4

FOOD CONSUMPTION CHANGES : FEMALE

STUDY NO. : 0708
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	3.4± 0.2	3.8± 0.3	3.8± 0.3	3.9± 0.3	4.2± 0.4	4.2± 0.4	4.4± 0.5
10ppm	3.2± 0.3	3.7± 0.3	3.9± 0.3	4.1± 0.3	4.2± 0.3	4.3± 0.5	4.3± 0.5
20ppm	3.3± 0.3	3.7± 0.2	3.9± 0.2	4.0± 0.2	4.3± 0.2	4.4± 0.1	4.5± 0.2
40ppm	3.3± 0.3	3.6± 0.2	3.8± 0.2	4.0± 0.2	4.2± 0.2	4.1± 0.1	4.3± 0.2
80ppm	3.2± 0.2	3.2± 0.2**	3.3± 0.2**	3.4± 0.2**	3.6± 0.3**	3.6± 0.2**	3.6± 0.2**
160ppm	2.9± 0.3**	2.3± 1.1**	3.1± 0.3**	3.2± 0.2**	3.4± 0.2**	3.4± 0.2**	3.4± 0.2**

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

STUDY NO. : 0708
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) 8-7(7)	9-7(7)	10-7(7)	11-7(7)	12-7(7)	13-7(7)
Control	4.5± 0.4	4.4± 0.3	4.5± 0.3	4.4± 0.3	4.4± 0.4	4.2± 0.3
10ppm	4.5± 0.3	4.5± 0.3	4.4± 0.3	4.4± 0.3	4.4± 0.3	4.4± 0.3
20ppm	4.6± 0.1	4.3± 0.1	4.4± 0.1	4.5± 0.2	4.3± 0.2	4.3± 0.2
40ppm	4.4± 0.2	4.2± 0.3	4.2± 0.2*	4.3± 0.2	4.3± 0.2	4.4± 0.2
80ppm	3.7± 0.3**	3.8± 0.2**	3.9± 0.2**	4.0± 0.2*	3.8± 0.2**	3.8± 0.3**
160ppm	3.5± 0.2**	3.4± 0.2**	3.4± 0.3**	3.6± 0.4**	3.4± 0.3**	3.5± 0.3**

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

TABLE F1

HEMATOLOGY : MALE

STUDY NO. : 0708
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 f ℓ	MCH p g	MCHC g/dℓ	PLATELET $10^3/\mu\ell$
Control	9	10.85± 0.30	16.1± 0.4	50.6± 1.4	46.7± 0.3	14.8± 0.2	31.8± 0.3	1220± 147
10ppm	10	10.78± 0.25	16.0± 0.5	50.4± 1.0	46.7± 0.7	14.9± 0.3	31.8± 0.6	1178± 84
20ppm	9	10.96± 0.37	16.0± 0.6	50.5± 1.9	46.1± 0.9	14.6± 0.3	31.7± 0.2	1224± 110
40ppm	9	10.69± 0.24	15.8± 0.4	49.8± 1.6	46.6± 0.6	14.8± 0.2	31.8± 0.4	1178± 89
80ppm	10	11.30± 0.39*	16.6± 0.6	51.9± 2.2	46.0± 1.0	14.7± 0.3	31.9± 0.4	1206± 76
160ppm	9	10.94± 0.54	16.0± 0.8	50.5± 2.8	46.2± 0.7	14.6± 0.1	31.8± 0.4	1228± 147

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

STUDY NO. : 0708
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	9	2.3± 0.1
10ppm	10	2.4± 0.3
20ppm	9	2.6± 0.7
40ppm	9	2.3± 0.2
80ppm	10	2.2± 0.2
160ppm	9	2.3± 0.4

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

STUDY NO. : 0708
ANIMAL : MOUSE B6D2F1/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 (%) N-BAND		N-SEG		EOSINO		BASO		MONO		LYMPHO		OTHER	
Control	9	2.93±	1.66	1±	1	13±	2	2±	1	0±	0	3±	1	81±	2	0±	0
10ppm	10	3.47±	1.83	2±	2	15±	5	1±	1	0±	0	3±	1	79±	6	0±	0
20ppm	9	2.97±	1.94	1±	1	11±	3	2±	1	0±	0	2±	1	84±	4	0±	0
40ppm	9	2.43±	1.29	0±	1	13±	6	2±	2	0±	0	1±	1*	83±	5	0±	0
80ppm	10	2.09±	1.49	1±	2	16±	5	1±	1	0±	0	1±	1**	81±	5	0±	0
160ppm	9	1.28±	0.98	2±	2	18±	7	0±	0**	0±	0	1±	1**	80±	8	0±	0

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

TABLE F2

HEMATOLOGY : FEMALE

STUDY NO. : 0708
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	10.65± 0.36	16.1± 0.6	49.8± 1.9	46.7± 0.4	15.1± 0.2	32.3± 0.3	1153± 75
10ppm	10	10.68± 0.27	16.1± 0.5	50.3± 1.6	47.1± 0.6	15.1± 0.2	32.0± 0.2	1099± 102
20ppm	10	10.86± 0.32	16.3± 0.4	51.3± 1.7	47.3± 1.0	15.0± 0.3	31.8± 0.9	1166± 107
40ppm	10	10.90± 0.42	16.4± 0.6	50.9± 2.1	46.7± 0.3	15.1± 0.2	32.3± 0.3	1119± 101
80ppm	10	10.92± 0.25	16.5± 0.4	51.0± 1.1	46.6± 0.6	15.1± 0.3	32.3± 0.5	1147± 86
160ppm	9	10.98± 0.28	16.3± 0.4	50.9± 1.4	46.4± 0.7	14.8± 0.2	32.0± 0.6	1226± 175

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

STUDY NO. : 0708
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± 0.4
10ppm	10	2.7± 0.7
20ppm	10	2.8± 0.5
40ppm	10	2.6± 0.4
80ppm	10	2.4± 0.4
160ppm	9	2.9± 0.5

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

STUDY NO. : 0708
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 (%) N-BAND		N-SEG		EOSINO		BASO		MONO		LYMPHO		OTHER	
Control	10	2.59±	1.57	1±	1	13±	4	1±	1	0±	0	2±	2	83±	6	0±	0
10ppm	10	2.16±	1.35	1±	1	15±	5	1±	1	0±	0	2±	1	81±	6	0±	0
20ppm	10	2.61±	1.34	1±	1	18±	6	1±	1	0±	0	1±	1	80±	6	0±	0
40ppm	10	2.32±	1.37	1±	1	18±	6	1±	1	0±	0	1±	1	80±	6	0±	0
80ppm	10	1.87±	1.01	2±	2	18±	6	1±	1	0±	0	1±	1	79±	6	0±	0
160ppm	9	1.97±	0.62	2±	2	19±	7	1±	1	0±	0	1±	1	76±	8	0±	0

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

TABLE G1

BIOCHEMISTRY : MALE

STUDY NO. : 0708
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	9	5.1± 0.2	2.7± 0.1	1.1± 0.1	0.12± 0.01	193± 38	82± 12	36± 17
10ppm	10	5.0± 0.3	2.6± 0.1	1.0± 0.1	0.12± 0.01	146± 28	84± 17	31± 14
20ppm	9	4.9± 0.2	2.6± 0.1	1.1± 0.1	0.12± 0.01	169± 25	81± 16	18± 5**
40ppm	9	4.8± 0.1**	2.5± 0.1**	1.1± 0.0	0.12± 0.02	171± 34	74± 4	27± 10
80ppm	10	4.9± 0.2	2.7± 0.1	1.2± 0.0*	0.13± 0.01	155± 25	68± 7*	13± 5**
160ppm	9	4.9± 0.4	2.6± 0.2	1.1± 0.1	0.12± 0.01	153± 47	70± 8	12± 3**

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

STUDY NO. : 0708
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	9	160± 20	48± 10	17± 2	295± 149	160± 11	0± 1	51± 22
10ppm	10	162± 24	50± 6	18± 2	259± 104	161± 18	0± 0	46± 10
20ppm	9	154± 29	45± 4	20± 7	206± 39	166± 12	0± 1	43± 15
40ppm	9	145± 10	52± 6	19± 2	303± 101	164± 9	1± 1	49± 13
80ppm	10	124± 13**	54± 12	20± 6	243± 47	181± 7**	0± 0	58± 22
160ppm	9	114± 26**	65± 34	24± 16	277± 86	214± 59**	0± 1	79± 56

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

STUDY NO. : 0708
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	9	28.1±	3.4	153±	1	4.4±	0.5	121±	1	8.6±	0.3	6.6±	0.9
10ppm	10	26.7±	3.1	152±	2	4.6±	0.4	120±	2	8.6±	0.3	6.9±	0.6
20ppm	9	29.3±	4.9	152±	1	4.2±	0.4	120±	3	8.6±	0.3	6.2±	0.6
40ppm	9	27.1±	3.1	153±	1	4.1±	0.3	121±	2	8.4±	0.1	6.9±	0.6
80ppm	10	27.7±	2.3	153±	1	4.3±	0.2	120±	2	8.4±	0.1	6.0±	0.7
160ppm	9	29.8±	9.2	151±	2	4.4±	0.4	119±	3	8.5±	0.1	6.3±	1.0

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

TABLE G2

BIOCHEMISTRY : FEMALE

STUDY NO. : 0708
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	5.2± 0.2	2.9± 0.1	1.3± 0.1	0.11± 0.01	148± 20	68± 7	17± 6
10ppm	10	5.1± 0.1	2.9± 0.1	1.4± 0.1	0.11± 0.01	162± 22	70± 10	17± 6
20ppm	10	5.1± 0.1	2.9± 0.1	1.4± 0.1	0.11± 0.01	164± 20	77± 11	16± 4
40ppm	10	5.1± 0.2	3.0± 0.1	1.4± 0.1	0.12± 0.01	149± 15	71± 5	15± 5
80ppm	10	5.3± 0.1	3.0± 0.1**	1.4± 0.1	0.12± 0.01	164± 17	69± 8	12± 5
160ppm	10	5.2± 0.2	3.0± 0.1	1.3± 0.1	0.12± 0.01	152± 23	73± 8	13± 4

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

STUDY NO. : 0708
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	128± 15	62± 12	20± 4	304± 80	262± 16	0± 1	67± 17
10ppm	10	129± 14	67± 17	23± 6	335± 118	259± 38	1± 1	93± 29
20ppm	10	135± 16	58± 9	19± 4	271± 52	265± 21	0± 1	68± 22
40ppm	10	127± 12	65± 19	22± 6	316± 102	268± 30	1± 1	89± 40
80ppm	10	118± 13	66± 13	22± 4	292± 85	298± 24*	0± 1	80± 38
160ppm	10	122± 12	69± 13	23± 4	374± 59	320± 53**	1± 1	75± 18

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

STUDY NO. : 0708
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	23.9± 2.3	151± 2	4.4± 0.3	120± 2	8.6± 0.2	6.8± 1.0
10ppm	10	22.9± 1.5	151± 2	4.4± 0.4	119± 2	8.6± 0.3	6.6± 1.2
20ppm	10	23.0± 1.6	150± 1	4.1± 0.4	118± 1	8.6± 0.2	6.0± 0.8
40ppm	10	22.9± 3.5	151± 2	4.1± 0.3	119± 2	8.7± 0.2	6.1± 1.0
80ppm	10	23.6± 2.9	151± 1	4.2± 0.3	119± 2	8.6± 0.2	5.9± 0.8
160ppm	10	24.3± 2.2	151± 2	4.2± 0.5	117± 3	8.7± 0.2	6.2± 0.8

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

TABLE H1

URINALYSIS : MALE

STUDY NO. : 0708 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	0	0	0	3	7		0	1	6	3	0	0		10	0	0	0	0	0		2	4	3	1	0	0		10	0	0	0	0	
10ppm	10	0	0	1	0	2	2	5		0	0	6	4	0	0		10	0	0	0	0	0		1	4	4	1	0	0		10	0	0	0	0	
20ppm	9	0	0	0	2	1	0	6		0	0	8	1	0	0		9	0	0	0	0	0		2	4	3	0	0	0		8	0	0	0	1	
40ppm	9	0	0	0	1	1	1	6		0	0	5	4	0	0		9	0	0	0	0	0		0	3	4	2	0	0		9	0	0	0	0	
80ppm	8	0	0	1	1	2	3	1		0	0	3	5	0	0		8	0	0	0	0	0		0	0	8	0	0	0	*	8	0	0	0	0	
160ppm	9	0	0	1	1	1	1	5		0	0	3	5	1	0		9	0	0	0	0	0		2	1	1	5	0	0		9	0	0	0	0	

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

STUDY NO. : 0708 URINALYSIS
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

Group Name	NO. of Animals	Urobilinogen ±	+	2+	3+	4+	CHI
Control	10	10	0	0	0	0	
10ppm	10	10	0	0	0	0	
20ppm	9	9	0	0	0	0	
40ppm	9	9	0	0	0	0	
80ppm	8	8	0	0	0	0	
160ppm	9	9	0	0	0	0	

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

TABLE H2

URINALYSIS : FEMALE

STUDY NO. : 0708 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	1	2	6	1		0	0	7	3	0	0		10	0	0	0	0	0		4	6	0	0	0	0		10	0	0	0	0	
10ppm	10	0	0	0	0	0	8	2		0	0	5	5	0	0		10	0	0	0	0	0		4	4	2	0	0	0		10	0	0	0	0	
20ppm	10	0	0	0	1	4	4	1		0	1	7	1	1	0		10	0	0	0	0	0		5	4	1	0	0	0		10	0	0	0	0	
40ppm	10	0	0	1	0	2	7	0		0	1	6	3	0	0		10	0	0	0	0	0		4	6	0	0	0	0		10	0	0	0	0	
80ppm	10	0	0	0	1	1	8	0		0	0	6	4	0	0		10	0	0	0	0	0		3	7	0	0	0	0		10	0	0	0	0	
160ppm	10	0	1	0	0	0	6	3		0	0	3	6	1	0		10	0	0	0	0	0		0	7	3	0	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	
10ppm	10	10	0	0	0	0	
20ppm	10	10	0	0	0	0	
40ppm	10	10	0	0	0	0	
80ppm	10	10	0	0	0	0	
160ppm	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. : 0708
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 (%)	10ppm 10 (%)	20ppm 9 (%)	40ppm 10 (%)
thymus	atrophic		0 (0)	0 (0)	0 (0)	0 (0)
spleen	black zone		0 (0)	0 (0)	2 (22)	0 (0)
kidney	hydronephrosis		0 (0)	2 (20)	3 (33)	1 (10)

STUDY NO. : 0708
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	80ppm 10 (%)	160ppm 9 (%)
thymus	atrophic		0 (0)	1 (11)
spleen	black zone		0 (0)	0 (0)
kidney	hydronephrosis		0 (0)	0 (0)

TABLE I 2

GROSS FINDINGS : FEMALE

Organ	Findings	Group Name / NO. of Animals	Control 10 (%)	10ppm 10 (%)	20ppm 10 (%)	40ppm 10 (%)
thymus	atrophic		0 (0)	0 (0)	0 (0)	0 (0)
spleen	black zone		0 (0)	1 (10)	0 (0)	1 (10)
kidney	hydronephrosis		0 (0)	0 (0)	0 (0)	1 (10)

Organ	Findings	Group Name / NO. of Animals	80ppm 10	(%)	160ppm 10	(%)
thymus	atrophic		0	(0)	1	(10)
spleen	black zone		1	(10)	0	(0)
kidney	hydronephrosis		0	(0)	0	(0)

TABLE J1

ORGAN WEIGHT, ABSOLUTE : MALE

STUDY NO. : 0708
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	31.2± 1.3	0.039± 0.006	0.011± 0.001	0.252± 0.039	0.165± 0.012	0.144± 0.006
10ppm	10	30.0± 1.8	0.039± 0.008	0.012± 0.002	0.225± 0.031	0.175± 0.013	0.149± 0.010
20ppm	9	28.1± 1.8**	0.034± 0.006	0.011± 0.002	0.243± 0.028	0.159± 0.013	0.146± 0.011
40ppm	9	28.9± 1.8*	0.034± 0.004	0.011± 0.002	0.231± 0.025	0.162± 0.013	0.144± 0.007
80ppm	10	23.7± 1.3**	0.028± 0.004**	0.010± 0.002	0.229± 0.027	0.139± 0.008**	0.140± 0.011
160ppm	9	21.2± 2.6**	0.028± 0.007**	0.011± 0.002	0.223± 0.024	0.132± 0.010**	0.135± 0.008

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

STUDY NO. : 0708
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	0.473±	0.016	0.056±	0.005	1.175±	0.051	0.451±	0.015
10ppm	10	0.670±	0.432	0.063±	0.009	1.168±	0.067	0.458±	0.007
20ppm	9	0.983±	1.059	0.065±	0.022	1.095±	0.060	0.458±	0.008
40ppm	9	0.461±	0.019	0.052±	0.004	1.150±	0.062	0.453±	0.011
80ppm	10	0.394±	0.021**	0.043±	0.005**	0.912±	0.063**	0.457±	0.010
160ppm	9	0.367±	0.039**	0.035±	0.009**	0.822±	0.124**	0.439±	0.015

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

TABLE J2

ORGAN WEIGHT, ABSOLUTE : FEMALE

STUDY NO. : 0708
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	21.8± 0.9	0.041± 0.006	0.015± 0.002	0.029± 0.003	0.127± 0.010	0.140± 0.007
10ppm	10	22.1± 1.1	0.040± 0.004	0.015± 0.002	0.027± 0.003	0.131± 0.007	0.144± 0.008
20ppm	10	21.6± 0.6	0.039± 0.002	0.015± 0.001	0.028± 0.005	0.133± 0.007	0.144± 0.006
40ppm	10	21.6± 0.3	0.040± 0.005	0.014± 0.001	0.028± 0.003	0.130± 0.006	0.147± 0.010
80ppm	10	19.5± 0.7**	0.034± 0.004*	0.014± 0.002	0.023± 0.003**	0.117± 0.008*	0.139± 0.007
160ppm	10	17.9± 1.3**	0.029± 0.008**	0.013± 0.001**	0.022± 0.004**	0.111± 0.009**	0.135± 0.010

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

STUDY NO. : 0708
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	0.305± 0.012	0.068± 0.005	0.889± 0.038	0.469± 0.011
10ppm	10	0.311± 0.015	0.066± 0.005	0.935± 0.064	0.470± 0.009
20ppm	10	0.303± 0.011	0.065± 0.004	0.885± 0.042	0.469± 0.013
40ppm	10	0.318± 0.018	0.065± 0.006	0.889± 0.036	0.473± 0.010
80ppm	10	0.286± 0.010*	0.049± 0.005**	0.771± 0.047**	0.459± 0.012
160ppm	10	0.279± 0.019**	0.042± 0.006**	0.723± 0.067**	0.440± 0.010**

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

TABLE K1

ORGAN WEIGHT, RELATIVE : MALE

STUDY NO. : 0708
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	31.2± 1.3	0.125± 0.015	0.035± 0.005	0.810± 0.129	0.529± 0.044	0.462± 0.019
10ppm	10	30.0± 1.8	0.131± 0.019	0.039± 0.004	0.752± 0.100	0.584± 0.053*	0.497± 0.034**
20ppm	9	28.1± 1.8**	0.121± 0.021	0.038± 0.005	0.868± 0.109	0.568± 0.040	0.522± 0.034**
40ppm	9	28.9± 1.8*	0.118± 0.010	0.038± 0.007	0.803± 0.105	0.562± 0.031	0.500± 0.030**
80ppm	10	23.7± 1.3**	0.117± 0.015	0.044± 0.007**	0.968± 0.135*	0.588± 0.027**	0.590± 0.030**
160ppm	9	21.2± 2.6**	0.128± 0.022	0.052± 0.013**	1.069± 0.191**	0.627± 0.039**	0.645± 0.078**

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

STUDY NO. : 0708
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	1.517± 0.068	0.180± 0.020	3.768± 0.125	1.448± 0.087
10ppm	10	2.233± 1.431	0.209± 0.030*	3.898± 0.115	1.533± 0.093
20ppm	9	3.384± 3.351**	0.229± 0.067	3.900± 0.149	1.635± 0.102**
40ppm	9	1.597± 0.088	0.180± 0.017	3.975± 0.105	1.568± 0.084**
80ppm	10	1.662± 0.073**	0.181± 0.015	3.841± 0.109	1.929± 0.091**
160ppm	9	1.732± 0.103**	0.162± 0.029	3.859± 0.226	2.090± 0.223**

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

TABLE K2

ORGAN WEIGHT, RELATIVE : FEMALE

STUDY NO. : 0708
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	21.8± 0.9	0.187± 0.023	0.070± 0.011	0.132± 0.016	0.584± 0.043	0.643± 0.037
10ppm	10	22.1± 1.1	0.180± 0.016	0.066± 0.010	0.121± 0.014	0.593± 0.036	0.653± 0.044
20ppm	10	21.6± 0.6	0.180± 0.008	0.070± 0.006	0.129± 0.021	0.616± 0.027	0.666± 0.031
40ppm	10	21.6± 0.3	0.183± 0.025	0.066± 0.006	0.129± 0.011	0.601± 0.025	0.682± 0.040
80ppm	10	19.5± 0.7**	0.177± 0.021	0.070± 0.008	0.118± 0.014	0.601± 0.043	0.714± 0.018**
160ppm	10	17.9± 1.3**	0.158± 0.037	0.072± 0.008	0.121± 0.017	0.621± 0.030	0.757± 0.053**

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

STUDY NO. : 0708
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	1.400± 0.071	0.312± 0.027	4.075± 0.140	2.151± 0.094
10ppm	10	1.409± 0.058	0.299± 0.017	4.232± 0.182	2.131± 0.085
20ppm	10	1.406± 0.041	0.300± 0.015	4.104± 0.122	2.180± 0.103
40ppm	10	1.474± 0.081	0.300± 0.026	4.122± 0.164	2.193± 0.048
80ppm	10	1.468± 0.048	0.249± 0.020**	3.950± 0.171	2.354± 0.095**
160ppm	10	1.566± 0.093**	0.235± 0.021**	4.046± 0.259	2.470± 0.147**

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

TABLE L1

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : MALE

Organ	Findings	Group Name	Control				10ppm				20ppm				40ppm			
		No. of Animals on Study	10				10				9				10			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																		
nasal cavit			<10>				<10>				< 9>				<10>			
	eosinophilic change:respiratory epithelium		0	0	0	0	0	0	0	0	5	0	0	0 *	6	0	0	0 *
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(56)	(0)	(0)	(0)	(60)	(0)	(0)	(0)
	inflammation:respiratory epithelium		0	0	0	0	0	0	0	0	4	3	0	0 **	7	2	0	0 **
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(44)	(33)	(0)	(0)	(70)	(20)	(0)	(0)
	respiratory metaplasia:olfactory 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)
	ulcer:respiratory 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)	(11)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	atrophy:olfactory 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}																		
thymus			<10>				<10>				< 9>				<10>			
	atrophy		0	0	0	0	0	0	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)
spleen			<10>				<10>				< 9>				<10>			
	atrophy		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	80ppm				160ppm			
		No. of Animals on Study	10				9			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}										
nasal cavit			<10>				< 9>			
	eosinophilic change:respiratory epithelium		10	0	0	0 **	4	0	0	0
			(100)	(0)	(0)	(0)	(44)	(0)	(0)	(0)
	inflammation:respiratory epithelium		5	5	0	0 **	1	6	2	0 **
			(50)	(50)	(0)	(0)	(11)	(67)	(22)	(0)
	respiratory metaplasia:olfactory epithelium		0	0	0	0	4	0	0	0
			(0)	(0)	(0)	(0)	(44)	(0)	(0)	(0)
	ulcer:respiratory epithelium		1	0	3	0	2	0	5	0 **
			(10)	(0)	(30)	(0)	(22)	(0)	(56)	(0)
	atrophy:olfactory epithelium		9	0	0	0 **	8	1	0	0 **
			(90)	(0)	(0)	(0)	(89)	(11)	(0)	(0)
{Hematopoietic system}										
thymus			<10>				< 9>			
	atrophy		0	0	0	0	0	0	1	0
			(0)	(0)	(0)	(0)	(0)	(0)	(11)	(0)
spleen			<10>				< 9>			
	atrophy		0	0	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(11)	(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				10ppm				20ppm				40ppm			
		No. of Animals on Study	10				10				9				10			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Hematopoietic system}																		
spleen			<10>				<10>				< 9>				<10>			
	deposit of melanin		0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(22)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	extramedullary hematopoiesis		0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(11)	(0)	(0)	(0)	(0)	(0)	(10)	(0)
{Circulatory system}																		
heart			<10>				<10>				< 9>				<10>			
	myocardial fibrosis		0	0	0	0	0	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)
{Urinary system}																		
kidney			<10>				<10>				< 9>				<10>			
	inflammatory polyp		0	0	0	0	1	1	0	0	0	3	0	0	0	1	0	0
			(0)	(0)	(0)	(0)	(10)	(10)	(0)	(0)	(0)	(33)	(0)	(0)	(0)	(10)	(0)	(0)
	hydronephrosis		0	0	0	0	0	0	2	0	0	0	3	0	0	0	1	0
			(0)	(0)	(0)	(0)	(0)	(0)	(20)	(0)	(0)	(0)	(33)	(0)	(0)	(0)	(10)	(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	80ppm				160ppm			
		No. of Animals on Study	10				9			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Hematopoietic system}										
spleen			<10>				< 9>			
	deposit of melanin		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	extramedullary hematopoiesis		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Circulatory system}										
heart			<10>				< 9>			
	myocardial fibrosis		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Urinary system}										
kidney			<10>				< 9>			
	inflammatory polyp		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	hydronephrosis		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				10ppm				20ppm				40ppm			
		No. of Animals on Study	10				10				9				10			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Endocrine system}																		
pituitary			<10>				<10>				< 9>				<10>			
	cyst		1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(10)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
parathyroid			<10>				<10>				< 9>				<10>			
	cyst		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)
adrenal			<10>				<10>				< 9>				<10>			
	cyst		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)
	mineralization		0	0	0	0	0	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)
{Reproductive system}																		
testis			<10>				<10>				< 9>				<10>			
	atrophy		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)	(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	80ppm				160ppm			
		No. of Animals on Study	10				9			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Endocrine system}										
pituitary			<10>				< 9>			
	cyst		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
parathyroid			<10>				< 9>			
	cyst		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
adrenal			<10>				< 9>			
	cyst		0	0	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(11)	(0)	(0)	(0)
	mineralization		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Reproductive system}										
testis			<10>				< 9>			
	atrophy		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

TABLE L2

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : FEMALE

Organ	Findings	Group Name	Control				10ppm				20ppm				40ppm			
		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>			
	eosinophilic change:olfactory 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)
	eosinophilic change:respiratory epithelium		0	0	0	0	8	1	0	0 **	10	0	0	0 **	10	0	0	0 **
			(0)	(0)	(0)	(0)	(80)	(10)	(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	inflammation:respiratory epithelium		0	0	0	0	2	0	0	0	5	5	0	0 **	6	4	0	0 **
			(0)	(0)	(0)	(0)	(20)	(0)	(0)	(0)	(50)	(50)	(0)	(0)	(60)	(40)	(0)	(0)
	respiratory metaplasia:olfactory 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)
	ulcer: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)
	atrophy:olfactory 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}																		
thymus			<10>				<10>				<10>				<10>			
	atrophy		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	80ppm				160ppm			
		No. of Animals on Study	10				10			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}										
nasal cavit			<10>				<10>			
	eosinophilic change:olfactory epithelium		2	0	0	0	5	0	0	0 *
			(20)	(0)	(0)	(0)	(50)	(0)	(0)	(0)
	eosinophilic change:respiratory epithelium		10	0	0	0 **	7	0	0	0 **
			(100)	(0)	(0)	(0)	(70)	(0)	(0)	(0)
	inflammation:respiratory epithelium		1	9	0	0 **	1	8	1	0 **
			(10)	(90)	(0)	(0)	(10)	(80)	(10)	(0)
	respiratory metaplasia:olfactory epithelium		1	0	0	0	4	0	0	0
			(10)	(0)	(0)	(0)	(40)	(0)	(0)	(0)
	ulcer:respiratory epithelium		5	0	3	0 **	0	0	7	0 **
			(50)	(0)	(30)	(0)	(0)	(0)	(70)	(0)
	atrophy:olfactory epithelium		7	0	0	0 **	10	0	0	0 **
			(70)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
{Hematopoietic system}										
thymus			<10>				<10>			
	atrophy		0	0	0	0	0	1	0	0
			(0)	(0)	(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	Control				10ppm				20ppm				40ppm			
		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
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Hematopoietic system}																		
spleen			<10>				<10>				<10>				<10>			
	deposit of melanin		1	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0
			(10)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(20)	(0)	(0)	(0)
	extramedullary hematopoiesis		0	0	0	0	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)
{Digestive system}																		
liver			<10>				<10>				<10>				<10>			
	inflammatory cell nest		0	0	0	0	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)
{Urinary system}																		
kidney			<10>				<10>				<10>				<10>			
	inflammatory polyp		0	0	0	0	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)
	hydronephrosis		0	0	0	0	0	0	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)

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	80ppm				160ppm			
		No. of Animals on Study	10				10			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Hematopoietic system}										
spleen			<10>				<10>			
	deposit of melanin		1	0	0	0	0	0	0	0
			(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	extramedullary hematopoiesis		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Digestive system}										
liver			<10>				<10>			
	inflammatory cell nest		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)
	hydronephrosis		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