ジフェニルアミンのマウスを用いた
経口投与による13週間毒性試験（混餌試験）報告書

試験番号：0670

TABLES

TABLES

TABLES (CONTINUED)

TABLE A 1

SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0670
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
256 ppm	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
640 ppm	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
1600 ppm	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
4000 ppm	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
10000 ppm	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 A 2

SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0670
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
256 ppm	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
640 ppm	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
1600 ppm	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
4000 ppm	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
10000 ppm	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 B 1

CLINICAL OBSERVATION : MALE

STUDY NO. : 0670
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
	256 ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	640 ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	1600 ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	4000 ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	10000 ppm	10	10	10	10	10	10	10	10	10	10	10	10	10

TABLE B 2

CLINICAL OBSERVATION : FEMALE

STUDY NO. : 0670
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
	256 ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	640 ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	1600 ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	4000 ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	10000 ppm	10	10	10	10	10	10	10	10	10	10	10	10	10

TABLE C 1

BODY WEIGHT CHANGES

AND SURVIVAL ANIMAL NUMBERS

: MALE

STUDY NO. : 0670
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>	256 ppm Av.Wt.	256 ppm % of cont. <10>	256 ppm No. of Surviv.	640 ppm Av.Wt.	640 ppm % of cont. <10>	640 ppm No. of Surviv.	1600 ppm Av.Wt.	1600 ppm % of cont. <10>	1600 ppm No. of Surviv.	4000 ppm Av.Wt.	4000 ppm % of cont. <10>	4000 ppm No. of Surviv.	10000 ppm Av.Wt.	10000 ppm % of cont. <10>	10000 ppm No. of Surviv.
0-0	22.7 (10)	10/10	22.7 (10)	100	10/10	22.7 (10)	100	10/10	22.7 (10)	100	10/10	22.7 (10)	100	10/10	22.7 (10)	100	10/10
1-7	24.5 (10)	10/10	24.3 (10)	99	10/10	23.8 (10)	97	10/10	23.6 (10)	96	10/10	23.6 (10)	96	10/10	20.0 (10)	82	10/10
2-7	25.4 (10)	10/10	25.0 (10)	98	10/10	24.8 (10)	98	10/10	24.5 (10)	96	10/10	24.4 (10)	96	10/10	20.7 (10)	81	10/10
3-7	26.2 (10)	10/10	25.2 (10)	96	10/10	25.5 (10)	97	10/10	25.5 (10)	97	10/10	25.1 (10)	96	10/10	22.5 (10)	86	10/10
4-7	26.7 (10)	10/10	26.6 (10)	100	10/10	26.5 (10)	99	10/10	26.2 (10)	98	10/10	25.7 (10)	96	10/10	22.7 (10)	85	10/10
5-7	27.8 (10)	10/10	27.6 (10)	99	10/10	27.5 (10)	99	10/10	27.0 (10)	97	10/10	26.4 (10)	95	10/10	23.9 (10)	86	10/10
6-7	28.6 (10)	10/10	28.6 (10)	100	10/10	27.8 (10)	97	10/10	27.5 (10)	96	10/10	26.8 (10)	94	10/10	24.4 (10)	85	10/10
7-7	29.2 (10)	10/10	29.2 (10)	100	10/10	28.6 (10)	98	10/10	27.6 (10)	95	10/10	27.2 (10)	93	10/10	25.2 (10)	86	10/10
8-7	30.0 (10)	10/10	28.9 (10)	96	10/10	29.1 (10)	97	10/10	28.7 (10)	96	10/10	27.5 (10)	92	10/10	25.0 (10)	83	10/10
9-7	30.2 (10)	10/10	30.3 (10)	100	10/10	29.7 (10)	98	10/10	29.1 (10)	96	10/10	27.9 (10)	92	10/10	25.2 (10)	83	10/10
10-7	31.9 (10)	10/10	31.1 (10)	97	10/10	30.6 (10)	96	10/10	29.0 (10)	91	10/10	28.3 (10)	89	10/10	25.6 (10)	80	10/10
11-7	32.5 (10)	10/10	31.7 (10)	98	10/10	31.2 (10)	96	10/10	29.7 (10)	91	10/10	28.8 (10)	89	10/10	26.8 (10)	82	10/10
12-7	32.9 (10)	10/10	32.6 (10)	99	10/10	31.5 (10)	96	10/10	30.1 (10)	91	10/10	29.3 (10)	89	10/10	26.9 (10)	82	10/10
13-7	33.6 (10)	10/10	32.9 (10)	98	10/10	32.1 (10)	96	10/10	30.7 (10)	91	10/10	29.7 (10)	88	10/10	26.6 (10)	79	10/10

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

TABLE C 2

BODY WEIGHT CHANGES

AND SURVIVAL ANIMAL NUMBERS

: FEMALE

STUDY NO. : 0670
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>	256 ppm Av. Wt.	256 ppm % of cont. <10>	256 ppm No. of Surviv.	640 ppm Av. Wt.	640 ppm % of cont. <10>	640 ppm No. of Surviv.	1600 ppm Av. Wt.	1600 ppm % of cont. <10>	1600 ppm No. of Surviv.	4000 ppm Av. Wt.	4000 ppm % of cont. <10>	4000 ppm No. of Surviv.	10000 ppm Av. Wt.	10000 ppm % of cont. <10>	10000 ppm No. of Surviv.
0-0	18.6 (10)	10/10	18.6 (10)	100	10/10	18.6 (10)	100	10/10	18.6 (10)	100	10/10	18.6 (10)	100	10/10	18.6 (10)	100	10/10
1-7	19.0 (10)	10/10	19.2 (10)	101	10/10	19.1 (10)	101	10/10	19.0 (10)	100	10/10	19.4 (10)	102	10/10	16.4 (10)	86	10/10
2-7	19.2 (10)	10/10	19.5 (10)	102	10/10	19.6 (10)	102	10/10	19.7 (10)	103	10/10	19.6 (10)	102	10/10	17.7 (10)	92	10/10
3-7	19.7 (10)	10/10	19.8 (10)	101	10/10	20.1 (10)	102	10/10	20.0 (10)	102	10/10	19.8 (10)	101	10/10	18.9 (10)	96	10/10
4-7	20.2 (10)	10/10	20.6 (10)	102	10/10	20.2 (10)	100	10/10	20.3 (10)	100	10/10	20.2 (10)	100	10/10	19.6 (10)	97	10/10
5-7	20.5 (10)	10/10	20.7 (10)	101	10/10	20.8 (10)	101	10/10	20.7 (10)	101	10/10	20.7 (10)	101	10/10	20.2 (10)	99	10/10
6-7	20.9 (10)	10/10	21.1 (10)	101	10/10	20.8 (10)	100	10/10	21.0 (10)	100	10/10	20.9 (10)	100	10/10	20.2 (10)	97	10/10
7-7	21.4 (10)	10/10	21.8 (10)	102	10/10	21.2 (10)	99	10/10	21.7 (10)	101	10/10	21.6 (10)	101	10/10	20.8 (10)	97	10/10
8-7	21.5 (10)	10/10	22.0 (10)	102	10/10	21.7 (10)	101	10/10	21.6 (10)	100	10/10	21.6 (10)	100	10/10	20.8 (10)	97	10/10
9-7	22.2 (10)	10/10	22.2 (10)	100	10/10	21.8 (10)	98	10/10	21.8 (10)	98	10/10	21.9 (10)	99	10/10	21.1 (10)	95	10/10
10-7	22.1 (10)	10/10	22.4 (10)	101	10/10	21.7 (10)	98	10/10	22.6 (10)	102	10/10	22.6 (10)	102	10/10	21.4 (10)	97	10/10
11-7	23.2 (10)	10/10	23.1 (10)	100	10/10	22.7 (10)	98	10/10	23.3 (10)	100	10/10	22.9 (10)	99	10/10	22.1 (10)	95	10/10
12-7	22.8 (10)	10/10	23.4 (10)	103	10/10	22.3 (10)	98	10/10	23.0 (10)	101	10/10	23.1 (10)	101	10/10	22.0 (10)	96	10/10
13-7	22.9 (10)	10/10	23.5 (10)	103	10/10	22.9 (10)	100	10/10	23.5 (10)	103	10/10	23.6 (10)	103	10/10	22.2 (10)	97	10/10

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

TABLE C 3

BODY WEIGHT CHANGES : MALE

STUDY NO. : 0670
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	22.7± 0.9	24.5± 0.9	25.4± 1.3	26.2± 1.2	26.7± 1.4	27.8± 1.5	28.6± 1.4
256 ppm	22.7± 0.9	24.3± 1.0	25.0± 1.4	25.2± 1.8	26.6± 1.6	27.6± 1.5	28.6± 1.8
640 ppm	22.7± 0.9	23.8± 1.0	24.8± 1.1	25.5± 1.1	26.5± 1.4	27.5± 1.2	27.8± 1.2
1600 ppm	22.7± 0.9	23.6± 1.2	24.5± 1.2	25.5± 1.4	26.2± 1.3	27.0± 1.3	27.5± 1.4
4000 ppm	22.7± 0.9	23.6± 0.9	24.4± 0.9	25.1± 1.0	25.7± 1.0	26.4± 1.0	26.8± 1.1*
10000 ppm	22.7± 0.9	20.0± 0.9**	20.7± 1.8**	22.5± 1.0**	22.7± 1.4**	23.9± 1.2**	24.4± 1.3**

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

STUDY NO. : 0670
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	29.2± 2.0	30.0± 1.6	30.2± 2.4	31.9± 2.1	32.5± 1.8	32.9± 2.2	33.6± 2.0
256 ppm	29.2± 2.1	28.9± 2.7	30.3± 1.9	31.1± 2.1	31.7± 2.3	32.6± 2.6	32.9± 2.4
640 ppm	28.6± 1.5	29.1± 1.7	29.7± 2.2	30.6± 2.2	31.2± 2.3	31.5± 2.2	32.1± 2.4
1600 ppm	27.6± 1.4	28.7± 1.8	29.1± 1.7	29.0± 2.3**	29.7± 1.9**	30.1± 1.8*	30.7± 2.2*
4000 ppm	27.2± 1.0*	27.5± 1.2*	27.9± 1.1*	28.3± 1.4**	28.8± 1.3**	29.3± 1.6**	29.7± 1.5**
10000 ppm	25.2± 1.2**	25.0± 1.2**	25.2± 1.2**	25.6± 1.5**	26.8± 1.2**	26.9± 1.5**	26.6± 1.7**

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

TABLE C 4

BODY WEIGHT CHANGES : FEMALE

STUDY NO. : 0670
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	18.6± 0.8	19.0± 0.9	19.2± 0.8	19.7± 0.6	20.2± 1.1	20.5± 0.7	20.9± 1.1
256 ppm	18.6± 0.8	19.2± 1.0	19.5± 0.9	19.8± 1.6	20.6± 1.0	20.7± 1.4	21.1± 1.4
640 ppm	18.6± 0.8	19.1± 0.8	19.6± 0.8	20.1± 0.9	20.2± 0.6	20.8± 0.9	20.8± 1.3
1600 ppm	18.6± 0.7	19.0± 0.9	19.7± 0.8	20.0± 1.0	20.3± 0.9	20.7± 1.0	21.0± 0.9
4000 ppm	18.6± 0.7	19.4± 0.8	19.6± 0.9	19.8± 0.8	20.2± 0.8	20.7± 0.9	20.9± 0.7
10000 ppm	18.6± 0.8	16.4± 1.1**	17.7± 1.3**	18.9± 1.6	19.6± 1.3	20.2± 1.2	20.2± 1.2

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

STUDY NO. : 0670
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	21.4± 1.1	21.5± 0.9	22.2± 1.3	22.1± 1.4	23.2± 1.9	22.8± 1.0	22.9± 1.2
256 ppm	21.8± 1.5	22.0± 1.6	22.2± 1.4	22.4± 1.9	23.1± 1.8	23.4± 1.9	23.5± 2.3
640 ppm	21.2± 1.0	21.7± 0.8	21.8± 1.0	21.7± 0.9	22.7± 1.0	22.3± 1.2	22.9± 1.6
1600 ppm	21.7± 0.7	21.6± 1.0	21.8± 0.9	22.6± 1.7	23.3± 1.5	23.0± 1.8	23.5± 1.3
4000 ppm	21.6± 1.0	21.6± 0.6	21.9± 0.9	22.6± 1.5	22.9± 1.2	23.1± 1.0	23.6± 1.4
10000 ppm	20.8± 1.1	20.8± 1.3	21.1± 1.0	21.4± 1.1	22.1± 1.4	22.0± 1.1	22.2± 1.2

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

TABLE D 1

FOOD CONSUMPTION CHANGES

AND SURVIVAL ANIMAL NUMBERS

: MALE

STUDY NO. : 0670
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>	256 ppm Av. FC.	256 ppm % of cont. <10>	256 ppm No. of Surviv.	640 ppm Av. FC.	640 ppm % of cont. <10>	640 ppm No. of Surviv.	1600 ppm Av. FC.	1600 ppm % of cont. <10>	1600 ppm No. of Surviv.	4000 ppm Av. FC.	4000 ppm % of cont. <10>	4000 ppm No. of Surviv.	10000 ppm Av. FC.	10000 ppm % of cont. <10>	10000 ppm No. of Surviv.
1-7	4.3 (10)	10/10	4.2 (10)	98	10/10	4.2 (10)	98	10/10	3.9 (10)	91	10/10	3.6 (10)	84	10/10	2.7 (10)	63	10/10
2-7	4.0 (10)	10/10	3.8 (10)	95	10/10	4.0 (10)	100	10/10	3.9 (10)	98	10/10	3.8 (10)	95	10/10	3.8 (9)	95	10/10
3-7	4.0 (10)	10/10	3.8 (10)	95	10/10	4.0 (10)	100	10/10	4.0 (10)	100	10/10	3.7 (10)	93	10/10	4.1 (10)	103	10/10
4-7	3.8 (10)	10/10	3.9 (10)	103	10/10	4.0 (10)	105	10/10	3.8 (10)	100	10/10	3.8 (10)	100	10/10	3.5 (8)	92	10/10
5-7	4.2 (10)	10/10	3.8 (10)	90	10/10	4.0 (10)	95	10/10	4.0 (10)	95	10/10	3.8 (10)	90	10/10	4.1 (9)	98	10/10
6-7	3.9 (10)	10/10	4.0 (10)	103	10/10	3.8 (10)	97	10/10	3.8 (10)	97	10/10	3.7 (10)	95	10/10	3.6 (10)	92	10/10
7-7	3.9 (10)	10/10	3.8 (10)	97	10/10	3.9 (10)	100	10/10	3.7 (10)	95	10/10	3.8 (10)	97	10/10	4.1 (8)	105	10/10
8-7	4.0 (10)	10/10	3.6 (10)	90	10/10	3.9 (10)	98	10/10	4.1 (10)	103	10/10	3.7 (10)	93	10/10	3.9 (8)	98	10/10
9-7	3.7 (10)	10/10	4.1 (10)	111	10/10	3.9 (10)	105	10/10	3.9 (10)	105	10/10	3.8 (10)	103	10/10	4.2 (10)	114	10/10
10-7	4.3 (10)	10/10	3.8 (10)	88	10/10	4.0 (10)	93	10/10	3.7 (10)	86	10/10	3.7 (10)	86	10/10	4.2 (5)	98	10/10
11-7	3.9 (10)	10/10	3.8 (10)	97	10/10	3.9 (10)	100	10/10	3.8 (10)	97	10/10	3.8 (10)	97	10/10	4.4 (10)	113	10/10
12-7	3.9 (10)	10/10	4.0 (10)	103	10/10	3.8 (10)	97	10/10	3.9 (10)	100	10/10	3.8 (10)	97	10/10	4.0 (8)	103	10/10
13-7	4.0 (10)	10/10	3.9 (10)	98	10/10	4.0 (10)	100	10/10	4.0 (10)	100	10/10	3.9 (10)	98	10/10	4.2 (9)	105	10/10

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

TABLE D 2

FOOD CONSUMPTION CHANGES

AND SURVIVAL ANIMAL NUMBERS

: FEMALE

STUDY NO. : 0670
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>	256 ppm Av. FC.	256 ppm % of cont. <10>	256 ppm No. of Surviv.	640 ppm Av. FC.	640 ppm % of cont. <10>	640 ppm No. of Surviv.	1600 ppm Av. FC.	1600 ppm % of cont. <10>	1600 ppm No. of Surviv.	4000 ppm Av. FC.	4000 ppm % of cont. <10>	4000 ppm No. of Surviv.	10000 ppm Av. FC.	10000 ppm % of cont. <10>	10000 ppm No. of Surviv.
1-7	3.4 (10)	10/10	3.4 (10)	100	10/10	3.4 (10)	100	10/10	3.3 (10)	97	10/10	3.1 (10)	91	10/10	2.2 (10)	65	10/10
2-7	3.5 (10)	10/10	3.4 (10)	97	10/10	3.5 (10)	100	10/10	3.3 (10)	94	10/10	3.2 (10)	91	10/10	3.3 (9)	94	10/10
3-7	3.3 (10)	10/10	3.4 (10)	103	10/10	3.4 (10)	103	10/10	3.2 (10)	97	10/10	3.2 (10)	97	10/10	3.2 (10)	97	10/10
4-7	3.5 (10)	10/10	3.6 (10)	103	10/10	3.4 (10)	97	10/10	3.4 (10)	97	10/10	3.3 (10)	94	10/10	3.1 (9)	89	10/10
5-7	3.4 (10)	10/10	3.6 (10)	106	10/10	3.4 (10)	100	10/10	3.6 (10)	106	10/10	3.5 (10)	103	10/10	3.1 (10)	91	10/10
6-7	3.5 (10)	10/10	3.6 (10)	103	10/10	3.4 (10)	97	10/10	3.4 (10)	97	10/10	3.4 (10)	97	10/10	3.2 (7)	91	10/10
7-7	3.6 (10)	10/10	3.6 (10)	100	10/10	3.5 (10)	97	10/10	3.6 (10)	100	10/10	3.6 (10)	100	10/10	3.6 (9)	100	10/10
8-7	3.5 (10)	10/10	3.7 (10)	106	10/10	3.6 (10)	103	10/10	3.6 (10)	103	10/10	3.6 (10)	103	10/10	3.5 (9)	100	10/10
9-7	3.6 (10)	10/10	3.7 (10)	103	10/10	3.5 (10)	97	10/10	3.7 (10)	103	10/10	3.6 (10)	100	10/10	3.6 (10)	100	10/10
10-7	3.6 (10)	10/10	3.6 (10)	100	10/10	3.5 (10)	97	10/10	3.6 (10)	100	10/10	3.6 (10)	100	10/10	3.5 (8)	97	10/10
11-7	3.8 (10)	10/10	3.6 (10)	95	10/10	3.6 (10)	95	10/10	3.6 (10)	95	10/10	3.5 (10)	92	10/10	3.5 (10)	92	10/10
12-7	3.4 (10)	10/10	3.7 (10)	109	10/10	3.5 (10)	103	10/10	3.5 (10)	103	10/10	3.5 (10)	103	10/10	3.4 (9)	100	10/10
13-7	3.5 (10)	10/10	3.6 (10)	103	10/10	3.6 (10)	103	10/10	3.8 (10)	109	10/10	3.6 (10)	103	10/10	3.5 (9)	100	10/10

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

TABLE D 3

FOOD CONSUMPTION CHANGES : MALE

STUDY NO. : 0670
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	4.0± 0.3	4.0± 0.2	3.8± 0.4	4.2± 0.4	3.9± 0.2	3.9± 0.4
256 ppm	4.2± 0.4	3.8± 0.3	3.8± 0.7	3.9± 0.6	3.8± 0.4	4.0± 0.3	3.8± 0.3
640 ppm	4.2± 0.2	4.0± 0.4	4.0± 0.2	4.0± 0.4	4.0± 0.3	3.8± 0.3	3.9± 0.3
1600 ppm	3.9± 0.2**	3.9± 0.2	4.0± 0.2	3.8± 0.2	4.0± 0.3	3.8± 0.2	3.7± 0.5
4000 ppm	3.6± 0.2**	3.8± 0.2	3.7± 0.2*	3.8± 0.3	3.8± 0.2	3.7± 0.2	3.8± 0.3
10000 ppm	2.7± 0.2**	3.8± 0.7	4.1± 0.5	3.5± 0.4	4.1± 0.4	3.6± 0.2	4.1± 0.4

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

STUDY NO. : 0670
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	4.0± 0.2	3.7± 0.5	4.3± 0.5	3.9± 0.3	3.9± 0.4	4.0± 0.4
256 ppm	3.6± 0.6*	4.1± 0.5	3.8± 0.4*	3.8± 0.2	4.0± 0.4	3.9± 0.2
640 ppm	3.9± 0.3	3.9± 0.4	4.0± 0.2	3.9± 0.2	3.8± 0.2	4.0± 0.4
1600 ppm	4.1± 0.5	3.9± 0.2	3.7± 0.5**	3.8± 0.5	3.9± 0.5	4.0± 0.4
4000 ppm	3.7± 0.3	3.8± 0.3	3.7± 0.3*	3.8± 0.3	3.8± 0.2	3.9± 0.3
10000 ppm	3.9± 0.4	4.2± 0.4	4.2± 0.6	4.4± 0.6	4.0± 0.5	4.2± 0.7

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

TABLE D 4

FOOD CONSUMPTION CHANGES : FEMALE

STUDY NO. : 0670
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± 0.3	3.5± 0.2	3.3± 0.3	3.5± 0.3	3.4± 0.2	3.5± 0.3	3.6± 0.3
256 ppm	3.4± 0.2	3.4± 0.2	3.4± 0.4	3.6± 0.2	3.6± 0.3	3.6± 0.2	3.6± 0.3
640 ppm	3.4± 0.2	3.5± 0.2	3.4± 0.2	3.4± 0.2	3.4± 0.2	3.4± 0.3	3.5± 0.1
1600 ppm	3.3± 0.2	3.3± 0.3	3.2± 0.2	3.4± 0.2	3.6± 0.3	3.4± 0.1	3.6± 0.3
4000 ppm	3.1± 0.2	3.2± 0.2*	3.2± 0.2	3.3± 0.2	3.5± 0.2	3.4± 0.3	3.6± 0.3
10000 ppm	2.2± 0.4**	3.3± 0.5*	3.2± 0.6	3.1± 0.3**	3.1± 0.4	3.2± 0.4	3.6± 0.7

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

STUDY NO. : 0670
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	3.5± 0.3	3.6± 0.3	3.6± 0.2	3.8± 0.3	3.4± 0.5	3.5± 0.4
256 ppm	3.7± 0.2	3.7± 0.3	3.6± 0.2	3.6± 0.2	3.7± 0.3	3.6± 0.2
640 ppm	3.6± 0.2	3.5± 0.3	3.5± 0.2	3.6± 0.2	3.5± 0.3	3.6± 0.2
1600 ppm	3.6± 0.2	3.7± 0.2	3.6± 0.3	3.6± 0.2	3.5± 0.5	3.8± 0.5
4000 ppm	3.6± 0.2	3.6± 0.3	3.6± 0.3	3.5± 0.3	3.5± 0.2	3.6± 0.3
10000 ppm	3.5± 0.6	3.6± 0.5	3.5± 0.4	3.5± 0.3	3.4± 0.3	3.5± 0.3

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

TABLE E 1

CHEMICAL INTAKE CHANGES : MALE

STUDY NO. : 0670
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : mg/kg/day
REPORT TYPE : A1 13
SEX : MALE

CHEMICAL INTAKE CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration (weeks) 1	2	3	4	5	6	7
Control	0± 0	0± 0	0± 0	0± 0	0± 0	0± 0	0± 0
256 ppm	44± 3	39± 1	38± 6	37± 5	35± 3	36± 2	33± 2
640 ppm	112± 6	104± 9	100± 7	96± 8	92± 9	87± 6	87± 5
1600 ppm	263± 7	253± 21	253± 15	236± 18	235± 16	224± 13	217± 24
4000 ppm	613± 32	623± 27	589± 29	594± 42	581± 37	551± 38	552± 42
10000 ppm	1338± 90	1818± 249	1824± 272	1549± 160	1732± 231	1494± 127	1626± 167

STUDY NO. : 0670
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : mg／kg／d a y
REPORT TYPE : A1 13
SEX : MALE

CHEMICAL INTAKE CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration (weeks) 8		9		10		11		12		13	
Control	0±	0	0±	0	0±	0	0±	0	0±	0	0±	0
256 ppm	31±	3	35±	5	31±	2	31±	2	31±	3	31±	2
640 ppm	87±	6	85±	7	83±	5	80±	5	76±	6	79±	7
1600 ppm	231±	18	217±	17	204±	23	206±	30	206±	28	206±	18
4000 ppm	545±	46	548±	42	529±	40	525±	33	517±	32	519±	36
10000 ppm	1543±	156	1652±	171	1634±	258	1643±	208	1510±	173	1585±	237

TABLE E 2

CHEMICAL INTAKE CHANGES : FEMALE

STUDY NO. : 0670
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : mg/kg/ d a y
REPORT TYPE : A1 13
SEX : FEMALE

CHEMICAL INTAKE CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration (weeks) 1		2		3		4		5		6		7	
Control	0±	0	0±	0	0±	0	0±	0	0±	0	0±	0	0±	0
256 ppm	45±	3	45±	3	44±	2	45±	2	44±	3	44±	3	42±	4
640 ppm	113±	5	113±	7	109±	7	108±	7	106±	7	105±	6	107±	8
1600 ppm	274±	12	266±	18	260±	18	265±	19	275±	18	258±	11	262±	17
4000 ppm	645±	36	650±	32	637±	37	660±	31	679±	52	651±	63	661±	54
10000 ppm	1316±	183	1843±	193	1712±	271	1562±	146	1550±	214	1635±	232	1729±	335

STUDY NO. : 0670
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : mg／kg／d a y
REPORT TYPE : A1 13
SEX : FEMALE

CHEMICAL INTAKE CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration (weeks) 8		9		10		11		12		13	
Control	0±	0	0±	0	0±	0	0±	0	0±	0	0±	0
256 ppm	43±	4	42±	3	41±	3	40±	2	41±	3	40±	2
640 ppm	107±	9	102±	9	104±	7	101±	8	102±	10	101±	7
1600 ppm	265±	15	273±	21	258±	14	250±	17	240±	23	259±	31
4000 ppm	659±	49	656±	43	631±	27	617±	40	613±	32	615±	32
10000 ppm	1678±	283	1717±	233	1634±	220	1567±	146	1531±	115	1572±	113

TABLE F 1

HEMATOLOGY : MALE

STUDY NO. : 0670
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	10	10.78± 0.34	16.1± 0.4	46.0± 1.3	42.8± 1.0	14.9± 0.2	34.9± 0.5	1266± 83
256 ppm	10	9.89± 0.31**	15.5± 0.3*	44.0± 0.7**	44.5± 0.7**	15.7± 0.3*	35.2± 0.4	1306± 66
640 ppm	10	9.53± 0.27**	16.5± 0.5	41.4± 1.2**	43.5± 0.3*	17.3± 0.3**	39.8± 0.6**	1228± 181
1600 ppm	10	9.00± 0.27**	17.1± 0.3**	38.0± 1.1**	42.3± 0.7	19.0± 0.5**	45.0± 0.9**	1271± 50
4000 ppm	10	8.02± 0.25**	15.4± 0.6**	35.7± 1.0**	44.5± 0.9**	19.2± 0.1**	43.1± 1.2**	1183± 65
10000 ppm	10	5.98± 0.25**	10.4± 0.6**	36.1± 1.6**	60.5± 1.9**	17.4± 1.2**	28.8± 2.2**	1006± 70**

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

Group Name	NO. of Animals	METHEMOGLOBIN %
Control	10	0.6± 0.2
256 ppm	10	1.8± 0.3**
640 ppm	10	3.6± 0.7**
1600 ppm	10	6.5± 2.1**
4000 ppm	10	9.1± 1.4**
10000 ppm	10	11.5± 2.4**

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

STUDY NO. : 0670
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	10	2.86± 0.90	1± 1	14± 4	2± 1	0± 0	4± 2	80± 5	0± 0
256 ppm	10	2.74± 0.86	0± 1	13± 3	2± 2	0± 0	4± 1	81± 3	0± 0
640 ppm	10	2.90± 1.02	1± 1	14± 4	1± 1	0± 0	4± 2	80± 4	0± 1
1600 ppm	10	2.80± 0.97	0± 0	14± 4	1± 1	0± 0	4± 2	80± 5	1± 1
4000 ppm	10	3.50± 1.96	1± 1	14± 2	1± 1	0± 0	4± 1	81± 3	0± 0
10000 ppm	10	2.61± 0.73	1± 1	9± 4**	1± 1	0± 0	2± 1**	87± 3**	1± 1**

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

TABLE F 2

HEMATOLOGY : FEMALE

STUDY NO. : 0670
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	10.44± 0.38	15.7± 0.6	45.0± 1.6	43.1± 0.4	15.1± 0.3	35.0± 0.5	1162± 62
256 ppm	10	9.88± 0.27**	15.2± 0.3	43.6± 1.2	44.1± 0.3**	15.4± 0.1*	35.0± 0.3	1189± 60
640 ppm	10	9.60± 0.24**	15.4± 0.5	42.3± 1.1**	44.1± 0.2**	16.1± 0.3**	36.5± 0.6**	1216± 71
1600 ppm	10	9.31± 0.31**	16.3± 0.4	40.0± 1.0**	43.0± 1.2	17.6± 0.6**	40.9± 1.0**	1166± 89
4000 ppm	10	8.67± 0.41**	15.7± 0.6	37.8± 1.1**	43.7± 1.2	18.1± 0.5**	41.4± 1.0**	1106± 57
10000 ppm	10	6.81± 0.35**	11.6± 0.6**	36.8± 1.8**	54.2± 3.0**	17.1± 0.5**	31.5± 1.7**	953± 61**

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

Group Name	NO. of Animals	METHEMOGLOBIN %
Control	10	0.8± 0.2
256 ppm	10	1.5± 0.3**
640 ppm	10	2.7± 0.5**
1600 ppm	10	5.0± 1.1**
4000 ppm	10	8.4± 1.9**
10000 ppm	10	9.7± 2.1**

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

STUDY NO. : 0670
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	2.20± 1.19	1± 1	13± 4	2± 1	0± 0	3± 1	81± 3	0± 0
256 ppm	10	2.34± 1.07	0± 0	13± 3	2± 1	0± 0	2± 1	83± 3	0± 0
640 ppm	10	2.23± 0.67	0± 1	12± 3	2± 1	0± 0	2± 1	84± 4	0± 0
1600 ppm	10	2.50± 1.24	1± 1	13± 4	1± 1	0± 0	3± 1	83± 6	0± 0
4000 ppm	10	3.61± 1.39*	0± 0	13± 3	2± 1	0± 0	3± 1	81± 3	1± 1
10000 ppm	10	4.00± 1.36**	0± 0	10± 2	1± 1	0± 0	3± 2	85± 3	1± 1

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

TABLE G 1

BIOCHEMISTRY : MALE

STUDY NO. : 0670
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	5.1± 0.3	2.8± 0.1	1.3± 0.1	0.13± 0.01	220± 43	92± 15	50± 15
256 ppm	10	5.1± 0.1	2.8± 0.0	1.3± 0.1	0.15± 0.01**	230± 31	89± 11	58± 25
640 ppm	10	5.2± 0.2	2.9± 0.1	1.3± 0.1	0.16± 0.01**	203± 34	91± 10	56± 20
1600 ppm	10	5.2± 0.1	2.9± 0.1*	1.3± 0.1*	0.19± 0.02**	206± 43	97± 8	50± 19
4000 ppm	10	5.4± 0.2**	3.2± 0.2**	1.4± 0.1**	0.23± 0.02**	191± 34	96± 12	37± 14
10000 ppm	10	5.6± 0.1**	3.4± 0.1**	1.5± 0.1**	0.33± 0.04**	156± 25**	93± 10	38± 17

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

STUDY NO. : 0670
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	181± 23	47± 8	17± 2	309± 74	157± 8	1± 1	67± 23
256 ppm	10	178± 14	47± 9	17± 2	296± 44	155± 5	0± 0	66± 18
640 ppm	10	182± 13	47± 5	16± 2	324± 26	155± 10	0± 1	70± 17
1600 ppm	10	187± 15	44± 6	17± 3	338± 58	160± 17	1± 0	52± 13
4000 ppm	10	182± 13	52± 20	18± 5	473± 61**	159± 12	0± 1	54± 13
10000 ppm	10	167± 11	59± 9**	20± 3	645± 190**	213± 11**	1± 1	69± 18

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

STUDY NO. : 0670
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	27.4± 7.5	151± 2	4.7± 0.3	122± 3	8.7± 0.3	6.3± 1.0
256 ppm	10	25.9± 2.0	152± 1	4.5± 0.2	122± 2	8.7± 0.2	6.1± 0.6
640 ppm	10	26.1± 5.4	151± 1	4.6± 0.5	122± 1	8.8± 0.2	5.9± 0.9
1600 ppm	10	24.0± 2.8	151± 1	4.6± 0.2	121± 2	8.7± 0.1	5.7± 1.0
4000 ppm	10	25.4± 4.4	152± 1	4.8± 0.4	123± 2	8.8± 0.2	5.9± 1.1
10000 ppm	10	25.1± 4.1	153± 1**	5.0± 0.6	123± 2	9.0± 0.2*	7.5± 1.1*

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

TABLE G 2

BIOCHEMISTRY : FEMALE

STUDY NO. : 0670
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	5.0± 0.1	3.0± 0.1	1.5± 0.1	0.12± 0.01	172± 31	74± 14	31± 14
256 ppm	10	5.0± 0.2	3.1± 0.1	1.6± 0.1	0.13± 0.02	165± 21	79± 13	41± 13
640 ppm	10	5.2± 0.2	3.1± 0.1**	1.6± 0.1	0.15± 0.02**	164± 19	77± 9	30± 11
1600 ppm	10	5.2± 0.2**	3.2± 0.1**	1.6± 0.1	0.18± 0.02**	155± 20	82± 9	26± 7
4000 ppm	10	5.4± 0.1**	3.4± 0.1**	1.6± 0.1**	0.23± 0.04**	161± 33	92± 9**	24± 7
10000 ppm	10	5.7± 0.2**	3.7± 0.1**	1.8± 0.1**	0.34± 0.06**	143± 21	101± 17**	15± 8**

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

STUDY NO. : 0670
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	150± 24	52± 7	19± 2	289± 51	226± 21	1± 1	61± 16
256 ppm	10	159± 20	55± 8	21± 4	349± 59	212± 21	1± 1	94± 44
640 ppm	10	153± 14	52± 4	19± 3	323± 46	216± 21	1± 1	64± 17
1600 ppm	10	159± 16	56± 8	21± 4	345± 62	223± 13	1± 1	70± 17
4000 ppm	10	178± 20**	58± 8	21± 4	385± 72*	205± 26	1± 0	61± 9
10000 ppm	10	174± 15*	70± 16**	24± 7	539± 100**	282± 42**	1± 1	86± 38

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

STUDY NO. : 0670
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	19.8± 2.4	151± 1	4.4± 0.3	123± 2	8.6± 0.2	5.2± 1.0
256 ppm	10	20.2± 1.8	151± 2	4.6± 0.4	123± 2	8.6± 0.2	5.5± 0.9
640 ppm	10	20.8± 1.7	152± 1	4.4± 0.2	124± 2	8.7± 0.3	5.6± 0.7
1600 ppm	10	19.8± 1.9	152± 2	4.6± 0.3	123± 2	8.7± 0.2	5.8± 0.9
4000 ppm	10	21.6± 2.2	151± 1	5.3± 0.4**	122± 2	8.8± 0.2	5.4± 0.9
10000 ppm	10	23.6± 2.5**	152± 2	5.3± 0.5**	122± 3	9.0± 0.2**	7.0± 1.3**

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

TABLE H 1

URINALYSIS : MALE

STUDY NO. : 0670
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

URINALYSIS

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	5	5	0		0	1	2	7	0	0		10	0	0	0	0	0		5	2	3	0	0	0		10	0	0	0	0	
256 ppm	10	0	0	0	0	5	3	2		0	1	9	0	0	0	**	10	0	0	0	0	0		5	2	3	0	0	0		10	0	0	0	0	
640 ppm	10	0	0	0	0	2	6	2		0	0	8	2	0	0	*	10	0	0	0	0	0		2	2	5	1	0	0		10	0	0	0	0	
1600 ppm	10	0	0	0	1	3	3	3		0	1	9	0	0	0	**	10	0	0	0	0	0		4	2	4	0	0	0		10	0	0	0	0	
4000 ppm	10	0	0	0	0	0	5	5	**	0	0	8	2	0	0	*	10	0	0	0	0	0		3	1	2	0	0	0		10	0	0	0	0	
10000 ppm	10	0	0	0	1	4	5	0		0	3	7	0	0	0	**	10	0	0	0	0	0		−	−	−	−	−	−		10	0	0	0	0	

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

STUDY NO. : 0670 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	
256 ppm	10	10	0	0	0	0	
640 ppm	10	10	0	0	0	0	
1600 ppm	10	10	0	0	0	0	
4000 ppm	10	10	0	0	0	0	
10000 ppm	10	10	0	0	0	0	

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

TABLE H 2

URINALYSIS : FEMALE

STUDY NO. : 0670 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	1	2	3	4	0		0	0	5	5	0	0		10	0	0	0	0	0		0	9	1	0	0	0		10	0	0	0	0	
256 ppm	10	0	0	2	1	2	5	0		0	0	4	6	0	0		10	0	0	0	0	0		0	10	0	0	0	0		10	0	0	0	0	
640 ppm	10	0	0	0	2	6	2	0		0	0	7	3	0	0		10	0	0	0	0	0		0	9	1	0	0	0		10	0	0	0	0	
1600 ppm	10	0	0	2	2	2	4	0		0	0	9	1	0	0		10	0	0	0	0	0		0	9	1	0	0	0		10	0	0	0	0	
4000 ppm	10	0	0	0	1	4	5	0		0	2	8	0	0	0	*	10	0	0	0	0	0		0	10	0	0	0	0		10	0	0	0	0	
10000 ppm	10	0	1	0	0	3	6	0		0	6	4	0	0	0	**	10	0	0	0	0	0		−	−	−	−	−	−		10	0	0	0	0	

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

STUDY NO. : 0670 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	
256 ppm	10	10	0	0	0	0	
640 ppm	10	10	0	0	0	0	
1600 ppm	10	10	0	0	0	0	
4000 ppm	10	10	0	0	0	0	
10000 ppm	10	10	0	0	0	0	

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

TABLE I 1

GROSS FINDINGS : MALE :

ALL ANIMALS

STUDY NO. : 0670
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 (%)	256 ppm 10 (%)	640 ppm 10 (%)	1600 ppm 10 (%)
spleen	enlarged		0 (0)	0 (0)	0 (0)	10 (100)
	black zone		0 (0)	1 (10)	0 (0)	0 (0)
kidney	hydronephrosis		1 (10)	0 (0)	0 (0)	0 (0)

Organ	Findings	Group Name	4000 ppm	10000 ppm
		NO. of Animals	10 (%)	10 (%)
spleen	enlarged		10 (100)	10 (100)
	black zone		0 (0)	0 (0)
kidney	hydronephrosis		0 (0)	0 (0)

TABLE I 2

GROSS FINDINGS : FEMALE :

ALL ANIMALS

Organ	Findings	Group Name / NO. of Animals	Control 10	(%)	256 ppm 10	(%)	640 ppm 10	(%)	1600 ppm 10	(%)
spleen	enlarged		0	(0)	0	(0)	0	(0)	10	(100)

Organ	Findings	Group Name	4000 ppm	10000 ppm
		NO. of Animals	10 (%)	10 (%)
spleen	enlarged		10 (100)	10 (100)

TABLE J 1

ORGAN WEIGHT, ABSOLUTE : MALE

STUDY NO. : 0670
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± 1.8	0.040± 0.005	0.014± 0.002	0.232± 0.029	0.152± 0.015	0.143± 0.009
256 ppm	10	30.5± 2.5	0.040± 0.004	0.014± 0.003	0.224± 0.022	0.149± 0.008	0.141± 0.008
640 ppm	10	29.6± 2.3	0.038± 0.002	0.013± 0.003	0.217± 0.042	0.150± 0.012	0.146± 0.009
1600 ppm	10	28.3± 2.3**	0.037± 0.003	0.014± 0.003	0.202± 0.030	0.149± 0.013	0.144± 0.006
4000 ppm	10	26.9± 1.5**	0.036± 0.006	0.014± 0.003	0.219± 0.033	0.157± 0.012	0.145± 0.007
10000 ppm	10	24.5± 1.2**	0.033± 0.009	0.014± 0.003	0.216± 0.028	0.160± 0.013	0.147± 0.008

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

STUDY NO. : 0670
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	0.516± 0.344	0.054± 0.008	1.065± 0.063	0.449± 0.011
256 ppm	10	0.403± 0.018	0.068± 0.006**	1.081± 0.059	0.450± 0.013
640 ppm	10	0.407± 0.012	0.093± 0.009**	1.106± 0.076	0.446± 0.016
1600 ppm	10	0.399± 0.024	0.146± 0.020**	1.125± 0.057	0.448± 0.013
4000 ppm	10	0.408± 0.022	0.245± 0.022**	1.251± 0.069**	0.453± 0.014
10000 ppm	10	0.389± 0.017*	0.411± 0.045**	1.359± 0.083**	0.448± 0.017

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

TABLE J 2

ORGAN WEIGHT, ABSOLUTE : FEMALE

STUDY NO. : 0670
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	20.9± 1.2	0.043± 0.005	0.017± 0.003	0.029± 0.005	0.123± 0.009	0.136± 0.012
256 ppm	10	21.5± 2.1	0.045± 0.005	0.017± 0.001	0.028± 0.006	0.121± 0.008	0.138± 0.009
640 ppm	10	20.9± 1.6	0.045± 0.005	0.017± 0.003	0.026± 0.004	0.118± 0.009	0.138± 0.008
1600 ppm	10	21.1± 1.1	0.047± 0.007	0.016± 0.002	0.027± 0.003	0.123± 0.006	0.141± 0.011
4000 ppm	10	20.9± 1.3	0.046± 0.007	0.018± 0.002	0.028± 0.003	0.131± 0.007	0.144± 0.007
10000 ppm	10	20.5± 1.2	0.044± 0.005	0.015± 0.001	0.024± 0.003	0.126± 0.005	0.136± 0.009

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

STUDY NO. : 0670
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	0.279± 0.021	0.056± 0.006	0.831± 0.073	0.458± 0.018
256 ppm	10	0.279± 0.017	0.079± 0.009**	0.851± 0.065	0.456± 0.019
640 ppm	10	0.275± 0.015	0.102± 0.010**	0.840± 0.080	0.455± 0.016
1600 ppm	10	0.279± 0.012	0.152± 0.012**	0.883± 0.060	0.457± 0.017
4000 ppm	10	0.295± 0.014	0.243± 0.040**	1.024± 0.075**	0.456± 0.013
10000 ppm	10	0.272± 0.014	0.382± 0.043**	1.169± 0.065**	0.444± 0.011

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

TABLE K 1

ORGAN WEIGHT, RELATIVE : MALE

STUDY NO. : 0670
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± 1.8	0.128± 0.018	0.044± 0.007	0.744± 0.080	0.489± 0.050	0.460± 0.032
256 ppm	10	30.5± 2.5	0.131± 0.010	0.045± 0.009	0.738± 0.078	0.490± 0.037	0.465± 0.038
640 ppm	10	29.6± 2.3	0.128± 0.006	0.043± 0.008	0.737± 0.154	0.508± 0.026	0.494± 0.023
1600 ppm	10	28.3± 2.3**	0.132± 0.006	0.050± 0.011	0.716± 0.098	0.529± 0.049	0.512± 0.044*
4000 ppm	10	26.9± 1.5**	0.134± 0.021	0.054± 0.010	0.817± 0.135	0.583± 0.036**	0.539± 0.029**
10000 ppm	10	24.5± 1.2**	0.134± 0.034	0.058± 0.013*	0.880± 0.106*	0.652± 0.053**	0.601± 0.050**

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

STUDY NO. : 0670
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	1.667± 1.138	0.174± 0.026	3.423± 0.207	1.446± 0.084
256 ppm	10	1.325± 0.075	0.223± 0.020**	3.550± 0.129	1.481± 0.106
640 ppm	10	1.382± 0.082	0.314± 0.013**	3.741± 0.128**	1.513± 0.099
1600 ppm	10	1.414± 0.090	0.519± 0.074**	3.989± 0.239**	1.592± 0.130**
4000 ppm	10	1.520± 0.057**	0.911± 0.077**	4.655± 0.170**	1.687± 0.070**
10000 ppm	10	1.590± 0.083**	1.677± 0.153**	5.555± 0.309**	1.830± 0.079**

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

TABLE K 2

ORGAN WEIGHT, RELATIVE : FEMALE

STUDY NO. : 0670
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	20.9± 1.2	0.205± 0.023	0.079± 0.011	0.140± 0.020	0.587± 0.029	0.652± 0.034
256 ppm	10	21.5± 2.1	0.210± 0.026	0.078± 0.009	0.133± 0.032	0.565± 0.042	0.644± 0.074
640 ppm	10	20.9± 1.6	0.216± 0.019	0.081± 0.009	0.124± 0.021	0.567± 0.044	0.659± 0.025
1600 ppm	10	21.1± 1.1	0.224± 0.036	0.078± 0.011	0.127± 0.019	0.583± 0.037	0.668± 0.044
4000 ppm	10	20.9± 1.3	0.219± 0.035	0.084± 0.011	0.132± 0.017	0.630± 0.056	0.690± 0.062
10000 ppm	10	20.5± 1.2	0.214± 0.019	0.074± 0.006	0.118± 0.017	0.617± 0.023	0.665± 0.040

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

STUDY NO. : 0670
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	1.334± 0.061	0.269± 0.022	3.975± 0.258	2.195± 0.097
256 ppm	10	1.302± 0.099	0.368± 0.032**	3.969± 0.331	2.134± 0.196
640 ppm	10	1.321± 0.063	0.487± 0.030**	4.018± 0.202	2.187± 0.175
1600 ppm	10	1.322± 0.051	0.720± 0.044**	4.181± 0.190	2.170± 0.102
4000 ppm	10	1.413± 0.103	1.158± 0.174**	4.892± 0.212**	2.186± 0.125
10000 ppm	10	1.329± 0.040	1.864± 0.190**	5.712± 0.168**	2.172± 0.092

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

TABLE L 1

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : MALE :

ALL ANIMALS

STUDY NO. : 0670
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
ALL ANIMALS (0- 14W)

Organ	Findings	Group Name	Control				256 ppm				640 ppm				1600 ppm			
		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>			
	respiratory metaplasia:gland		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}																		
bone marrow			<10>				<10>				<10>				<10>			
	increased hematopoiesis		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)
spleen			<10>				<10>				<10>				<10>			
	deposit of hemosiderin		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)
	deposit of melanin		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)	(0)	(0)	(0)	(0)
	extramedullary hematopoiesis		0	0	0	0	10	0	0	0 **	8	2	0	0 **	2	8	0	0 **
			(0)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(80)	(20)	(0)	(0)	(20)	(80)	(0)	(0)
	engorgement of erythrocyte		0	0	0	0	0	0	0	0	8	0	0	0 **	9	0	0	0 **
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(80)	(0)	(0)	(0)	(90)	(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	4000 ppm				10000 ppm			
		No. of Animals on Study	10				10			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}										
nasal cavit			<10>				<10>			
	respiratory metaplasia:gland		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Hematopoietic system}										
bone marrow			<10>				<10>			
	increased hematopoiesis		6	0	0	0 *	10	0	0	0 **
			(60)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
spleen			<10>				<10>			
	deposit of hemosiderin		10	0	0	0 **	0	10	0	0 **
			(100)	(0)	(0)	(0)	(0)	(100)	(0)	(0)
	deposit of melanin		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	extramedullary hematopoiesis		0	10	0	0 **	0	0	10	0 **
			(0)	(100)	(0)	(0)	(0)	(0)	(100)	(0)
	engorgement of erythrocyte		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				256 ppm				640 ppm				1600 ppm			
		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>			
	deposit of hemosiderin		0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0 *
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(50)	(0)	(0)	(0)
	granulation		2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
			(20)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(10)	(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)
	hepatocellular hypertrophy:central		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)
{Urinary system}																		
kidney			<10>				<10>				<10>				<10>			
	deposit of hemosiderin		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)
	hydronephrosis		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)
{Endocrine system}																		
parathyroid			<10>				<10>				<10>				<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)

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	4000 ppm				10000 ppm			
		No. of Animals on Study	10				10			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}										
liver			<10>				<10>			
	deposit of hemosiderin		10	0	0	0 **	10	0	0	0 **
			(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	granulation		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	extramedullary hematopoiesis		10	0	0	0 **	10	0	0	0 **
			(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	hepatocellular hypertrophy:central		0	10	0	0 **	0	0	10	0 **
			(0)	(100)	(0)	(0)	(0)	(0)	(100)	(0)
{Urinary system}										
kidney			<10>				<10>			
	deposit of hemosiderin		10	0	0	0 **	10	0	0	0 **
			(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	hydronephrosis		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Endocrine system}										
parathyroid			<10>				<10>			
	cyst		0	0	0	0	2	0	0	0
			(0)	(0)	(0)	(0)	(20)	(0)	(0)	(.0)

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(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	Control				256 ppm				640 ppm				1600 ppm			
		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
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Reproductive system}																		
epididymis			<10>				<10>				<10>				<10>			
	spermatogenic granuloma		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)
{Musculoskeletal system}																		
muscle			<10>				<10>				<10>				<10>			
	mineralization		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	4000 ppm				10000 ppm			
		No. of Animals on Study	10				10			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Reproductive system}										
epididymis			<10>				<10>			
	spermatogenic granuloma		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Musculoskeletal system}										
muscle			<10>				<10>			
	mineralization		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 L 2

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : FEMALE :

ALL ANIMALS

Organ	Findings	Group Name	Control				256 ppm				640 ppm				1600 ppm			
		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:respiratory epithelium		1	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0
			(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(20)	(0)	(0)	(0)	(10)	(0)	(0)	(0)
{Hematopoietic system}																		
bone marrow			<10>				<10>				<10>				<10>			
	increased hematopoiesis		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)
spleen			<10>				<10>				<10>				<10>			
	deposit of hemosiderin		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)
	extramedullary hematopoiesis		0	0	0	0	7	2	0	0 **	4	6	0	0 **	1	9	0	0 **
			(0)	(0)	(0)	(0)	(70)	(20)	(0)	(0)	(40)	(60)	(0)	(0)	(10)	(90)	(0)	(0)
	engorgement of erythrocyte		0	0	0	0	0	0	0	0	7	0	0	0 **	9	1	0	0 **
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(70)	(0)	(0)	(0)	(90)	(10)	(0)	(0)
{Digestive system}																		
liver			<10>				<10>				<10>				<10>			
	deposit of hemosiderin		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)

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	4000 ppm				10000 ppm			
		No. of Animals on Study	10				10			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}										
nasal cavit			<10>				<10>			
	eosinophilic change:respiratory epithelium		2	0	0	0	0	0	0	0
			(20)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Hematopoietic system}										
bone marrow			<10>				<10>			
	increased hematopoiesis		5	0	0	0 *	9	0	0	0 **
			(50)	(0)	(0)	(0)	(90)	(0)	(0)	(0)
spleen			<10>				<10>			
	deposit of hemosiderin		9	1	0	0 **	0	10	0	0 **
			(90)	(10)	(0)	(0)	(0)	(100)	(0)	(0)
	extramedullary hematopoiesis		2	8	0	0 **	0	3	7	0 **
			(20)	(80)	(0)	(0)	(0)	(30)	(70)	(0)
	engorgement of erythrocyte		10	0	0	0 **	10	0	0	0 **
			(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
{Digestive system}										
liver			<10>				<10>			
	deposit of hemosiderin		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				256 ppm				640 ppm				1600 ppm			
		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>			
	granulation		1	0	0	0	3	0	0	0	3	0	0	0	4	0	0	0
			(10)	(0)	(0)	(0)	(30)	(0)	(0)	(0)	(30)	(0)	(0)	(0)	(40)	(0)	(0)	(0)
	extramedullary hematopoiesis		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)
	hepatocellular hypertrophy:central		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)
{Urinary system}																		
kidney			<10>				<10>				<10>				<10>			
	deposit of hemosiderin		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)
	scar		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}																		
parathyroid			<10>				<10>				<10>				<10>			
	cyst		1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
			(10)	(0)	(0)	(0)	(10)	(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	4000 ppm				10000 ppm			
		No. of Animals on Study	10				10			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}										
liver			<10>				<10>			
	granulation		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	extramedullary hematopoiesis		10	0	0	0 **	10	0	0	0 **
			(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	hepatocellular hypertrophy:central		10	0	0	0 **	0	10	0	0 **
			(100)	(0)	(0)	(0)	(0)	(100)	(0)	(0)
{Urinary system}										
kidney			<10>				<10>			
	deposit of hemosiderin		9	0	0	0 **	10	0	0	0 **
			(90)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	scar		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Endocrine system}										
parathyroid			<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