アクロレイ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：0783

TABLES

TABLES

TABLES (CONTINUED)

TABLE A

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

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

Group Name	Concentration(ppm) Mean ± S.D.
Control	0.00 ± 0.00
0.1 ppm	0.10 ± 0.00
0.3 ppm	0.30 ± 0.01
1 ppm	1.02 ± 0.02
2 ppm	2.03 ± 0.02
3 ppm	3.03 ± 0.03

TABLE B1

SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0783
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
0.1ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.3ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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

TABLE B2

SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0783
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
0.1ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.3ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3ppm	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 C

CLINICAL OBSERVATION : FEMALE

STUDY NO. : 0783
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
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.1ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.3ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	1ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	2ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	3ppm	0	3	2	2	2	1	1	1	0	0	0	0	0

TABLE D1

BODY WEIGHT CHANGES AND SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0783
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>	0.1ppm Av. Wt.	0.1ppm % of cont. <10>	0.1ppm No. of Surviv.	0.3ppm Av. Wt.	0.3ppm % of cont. <10>	0.3ppm No. of Surviv.	1ppm Av. Wt.	1ppm % of cont. <10>	1ppm No. of Surviv.	2ppm Av. Wt.	2ppm % of cont. <10>	2ppm No. of Surviv.	3ppm Av. Wt.	3ppm % of cont. <10>	3ppm No. of Surviv.
0-0	23.6 (10)	10/10	23.6 (10)	100	10/10	23.6 (10)	100	10/10	23.6 (10)	100	10/10	23.6 (10)	100	10/10	23.6 (10)	100	10/10
1-7	25.5 (10)	10/10	25.2 (10)	99	10/10	24.6 (10)	96	10/10	25.0 (10)	98	10/10	24.1 (10)	95	10/10	20.5 (10)	80	10/10
2-7	26.2 (10)	10/10	25.7 (10)	98	10/10	25.3 (10)	97	10/10	25.3 (10)	97	10/10	24.4 (10)	93	10/10	20.7 (10)	79	10/10
3-7	27.3 (10)	10/10	26.3 (10)	96	10/10	25.8 (10)	95	10/10	26.1 (10)	96	10/10	24.8 (10)	91	10/10	22.0 (10)	81	10/10
4-7	28.0 (10)	10/10	26.7 (10)	95	10/10	26.0 (10)	93	10/10	26.7 (10)	95	10/10	24.9 (10)	89	10/10	21.7 (10)	78	10/10
5-7	28.6 (10)	10/10	27.1 (10)	95	10/10	26.6 (10)	93	10/10	27.1 (10)	95	10/10	25.4 (10)	89	10/10	22.4 (10)	78	10/10
6-7	29.1 (10)	10/10	28.0 (10)	96	10/10	26.9 (10)	92	10/10	27.8 (10)	96	10/10	26.0 (10)	89	10/10	22.9 (10)	79	10/10
7-7	29.7 (10)	10/10	28.3 (10)	95	10/10	27.8 (10)	94	10/10	28.1 (10)	95	10/10	26.4 (10)	89	10/10	23.5 (10)	79	10/10
8-7	30.6 (10)	10/10	29.3 (10)	96	10/10	28.6 (10)	93	10/10	28.7 (10)	94	10/10	26.9 (10)	88	10/10	23.6 (10)	77	10/10
9-7	30.9 (10)	10/10	29.6 (10)	96	10/10	28.8 (10)	93	10/10	29.1 (10)	94	10/10	27.3 (10)	88	10/10	23.8 (10)	77	10/10
10-7	31.6 (10)	10/10	30.2 (10)	96	10/10	29.2 (10)	92	10/10	29.8 (10)	94	10/10	27.5 (10)	87	10/10	24.2 (10)	77	10/10
11-7	32.1 (10)	10/10	30.2 (10)	94	10/10	29.2 (10)	91	10/10	30.2 (10)	94	10/10	27.6 (10)	86	10/10	24.4 (10)	76	10/10
12-7	32.5 (10)	10/10	30.5 (10)	94	10/10	30.2 (10)	93	10/10	30.7 (10)	94	10/10	28.0 (10)	86	10/10	24.8 (10)	76	10/10
13-7	33.5 (10)	10/10	31.4 (10)	94	10/10	31.0 (10)	93	10/10	31.8 (10)	95	10/10	28.3 (10)	84	10/10	25.2 (10)	75	10/10

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

TABLE D2

BODY WEIGHT CHANGES AND SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0783
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>	0.1ppm Av. Wt.	0.1ppm % of cont. <10>	0.1ppm No. of Surviv.	0.3ppm Av. Wt.	0.3ppm % of cont. <10>	0.3ppm No. of Surviv.	1ppm Av. Wt.	1ppm % of cont. <10>	1ppm No. of Surviv.	2ppm Av. Wt.	2ppm % of cont. <10>	2ppm No. of Surviv.	3ppm Av. Wt.	3ppm % of cont. <10>	3ppm No. of Surviv.
0-0	19.2 (10)	10/10	19.2 (10)	100	10/10	19.2 (10)	100	10/10	19.2 (10)	100	10/10	19.2 (10)	100	10/10	19.2 (10)	100	10/10
1-7	20.3 (10)	10/10	20.1 (10)	99	10/10	20.3 (10)	100	10/10	19.9 (10)	98	10/10	19.5 (10)	96	10/10	17.6 (10)	87	10/10
2-7	20.6 (10)	10/10	20.7 (10)	100	10/10	20.9 (10)	101	10/10	20.5 (10)	100	10/10	19.9 (10)	97	10/10	17.2 (10)	83	10/10
3-7	22.0 (10)	10/10	22.0 (10)	100	10/10	21.4 (10)	97	10/10	21.8 (10)	99	10/10	21.1 (10)	96	10/10	18.3 (10)	83	10/10
4-7	22.5 (10)	10/10	22.5 (10)	100	10/10	22.2 (10)	99	10/10	22.4 (10)	100	10/10	21.3 (10)	95	10/10	18.1 (10)	80	10/10
5-7	22.9 (10)	10/10	22.9 (10)	100	10/10	23.3 (10)	102	10/10	22.8 (10)	100	10/10	21.8 (10)	95	10/10	18.8 (10)	82	10/10
6-7	23.5 (10)	10/10	23.4 (10)	100	10/10	23.9 (10)	102	10/10	23.5 (10)	100	10/10	22.6 (10)	96	10/10	19.1 (10)	81	10/10
7-7	23.7 (10)	10/10	23.8 (10)	100	10/10	24.0 (10)	101	10/10	24.1 (10)	102	10/10	23.2 (10)	98	10/10	19.8 (10)	84	10/10
8-7	24.6 (10)	10/10	24.3 (10)	99	10/10	24.6 (10)	100	10/10	24.3 (10)	99	10/10	23.8 (10)	97	10/10	20.0 (10)	81	10/10
9-7	24.2 (10)	10/10	24.9 (10)	103	10/10	25.0 (10)	103	10/10	24.7 (10)	102	10/10	23.6 (10)	98	10/10	20.3 (10)	84	10/10
10-7	24.3 (10)	10/10	24.6 (10)	101	10/10	24.7 (10)	102	10/10	24.3 (10)	100	10/10	24.1 (10)	99	10/10	20.5 (10)	84	10/10
11-7	24.4 (10)	10/10	24.1 (10)	99	10/10	24.6 (10)	101	10/10	24.6 (10)	101	10/10	24.5 (10)	100	10/10	20.7 (10)	85	10/10
12-7	25.1 (10)	10/10	24.9 (10)	99	10/10	25.1 (10)	100	10/10	25.3 (10)	101	10/10	24.3 (10)	97	10/10	20.8 (10)	83	10/10
13-7	25.0 (10)	10/10	25.3 (10)	101	10/10	25.9 (10)	104	10/10	25.5 (10)	102	10/10	24.7 (10)	99	10/10	20.9 (10)	84	10/10

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

TABLE D3

BODY WEIGHT CHANGES : MALE

STUDY NO. : 0783
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 0-0	1-7	2-7	3-7	4-7	5-7	6-7
Control	23.6± 0.9	25.5± 1.0	26.2± 1.0	27.3± 1.3	28.0± 1.5	28.6± 1.3	29.1± 1.4
0.1ppm	23.6± 1.0	25.2± 1.2	25.7± 1.2	26.3± 1.5	26.7± 1.6	27.1± 1.3*	28.0± 1.4
0.3ppm	23.6± 0.9	24.6± 1.2	25.3± 1.3	25.8± 1.4	26.0± 1.2**	26.6± 1.2**	26.9± 1.1**
1ppm	23.6± 1.0	25.0± 1.0	25.3± 0.9	26.1± 1.1	26.7± 1.2	27.1± 1.3*	27.8± 1.2
2ppm	23.6± 0.9	24.1± 0.9	24.4± 0.8**	24.8± 1.2**	24.9± 1.1**	25.4± 1.3**	26.0± 1.2**
3ppm	23.6± 1.0	20.5± 1.8**	20.7± 1.2**	22.0± 1.3**	21.7± 0.9**	22.4± 0.9**	22.9± 0.9**

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

STUDY NO. : 0783
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	29.7± 1.6	30.6± 1.9	30.9± 1.9	31.6± 2.1	32.1± 2.3	32.5± 2.6	33.5± 2.4
0.1ppm	28.3± 1.4	29.3± 1.3	29.6± 1.5	30.2± 1.8	30.2± 1.6	30.5± 1.7	31.4± 1.9*
0.3ppm	27.8± 1.1**	28.6± 1.4**	28.8± 1.3**	29.2± 1.5**	29.2± 1.2**	30.2± 1.3*	31.0± 1.3**
1ppm	28.1± 1.3*	28.7± 1.4*	29.1± 1.5*	29.8± 1.7	30.2± 1.9	30.7± 2.1	31.8± 2.0
2ppm	26.4± 1.3**	26.9± 1.2**	27.3± 1.3**	27.5± 1.4**	27.6± 1.5**	28.0± 1.4**	28.3± 1.4**
3ppm	23.5± 1.0**	23.6± 0.8**	23.8± 1.1**	24.2± 1.2**	24.4± 1.0**	24.8± 1.3**	25.2± 1.2**

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

TABLE D4

BODY WEIGHT CHANGES : FEMALE

STUDY NO. : 0783
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 0-0	1-7	2-7	3-7	4-7	5-7	6-7
Control	19.2± 0.6	20.3± 0.6	20.6± 0.9	22.0± 1.2	22.5± 1.3	22.9± 0.8	23.5± 0.8
0.1ppm	19.2± 0.6	20.1± 1.0	20.7± 0.8	22.0± 1.2	22.5± 1.2	22.9± 1.2	23.4± 1.2
0.3ppm	19.2± 0.6	20.3± 1.2	20.9± 1.5	21.4± 0.7	22.2± 0.7	23.3± 1.3	23.9± 0.8
1ppm	19.2± 0.6	19.9± 0.9	20.5± 1.0	21.8± 1.2	22.4± 0.9	22.8± 1.1	23.5± 1.2
2ppm	19.2± 0.6	19.5± 0.6	19.9± 0.7	21.1± 0.8	21.3± 0.7*	21.8± 0.9	22.6± 0.6
3ppm	19.2± 0.6	17.6± 0.8**	17.2± 0.7**	18.3± 0.5**	18.1± 0.9**	18.8± 0.9**	19.1± 0.6**

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

STUDY NO. : 0783
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	23.7± 1.1	24.6± 1.1	24.2± 1.1	24.3± 1.3	24.4± 1.0	25.1± 1.0	25.0± 1.0
0.1ppm	23.8± 1.3	24.3± 1.5	24.9± 1.4	24.6± 1.8	24.1± 1.6	24.9± 1.4	25.3± 1.4
0.3ppm	24.0± 0.9	24.6± 0.7	25.0± 0.8	24.7± 0.6	24.6± 0.6	25.1± 0.7	25.9± 0.6
1ppm	24.1± 1.2	24.3± 1.1	24.7± 0.9	24.3± 1.0	24.6± 1.3	25.3± 1.2	25.5± 1.0
2ppm	23.2± 1.1	23.8± 1.0	23.6± 0.8	24.1± 1.7	24.5± 1.3	24.3± 1.0	24.7± 0.9
3ppm	19.8± 1.0**	20.0± 1.1**	20.3± 1.1**	20.5± 1.0**	20.7± 1.1**	20.8± 1.1**	20.9± 0.9**

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

TABLE E1

FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0783
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>	0.1ppm Av. FC.	0.1ppm % of cont. <10>	0.1ppm No. of Surviv.	0.3ppm Av. FC.	0.3ppm % of cont. <10>	0.3ppm No. of Surviv.	1ppm Av. FC.	1ppm % of cont. <10>	1ppm No. of Surviv.	2ppm Av. FC.	2ppm % of cont. <10>	2ppm No. of Surviv.	3ppm Av. FC.	3ppm % of cont. <10>	3ppm No. of Surviv.
1-7	4.4 (10)	10/10	4.5 (10)	102	10/10	4.2 (10)	95	10/10	4.3 (10)	98	10/10	4.1 (10)	93	10/10	3.3 (10)	75	10/10
2-7	4.4 (10)	10/10	4.4 (10)	100	10/10	4.4 (10)	100	10/10	4.2 (10)	95	10/10	4.1 (10)	93	10/10	3.3 (10)	75	10/10
3-7	4.4 (10)	10/10	4.6 (10)	105	10/10	4.3 (10)	98	10/10	4.3 (10)	98	10/10	4.3 (10)	98	10/10	3.8 (10)	86	10/10
4-7	4.3 (10)	10/10	4.4 (10)	102	10/10	4.3 (10)	100	10/10	4.3 (10)	100	10/10	4.2 (10)	98	10/10	3.2 (10)	74	10/10
5-7	4.5 (10)	10/10	4.4 (10)	98	10/10	4.4 (10)	98	10/10	4.2 (10)	93	10/10	4.2 (10)	93	10/10	3.4 (10)	76	10/10
6-7	4.4 (10)	10/10	4.5 (10)	102	10/10	4.4 (10)	100	10/10	4.4 (10)	100	10/10	4.1 (10)	93	10/10	3.5 (10)	80	10/10
7-7	4.4 (10)	10/10	4.4 (10)	100	10/10	4.4 (10)	100	10/10	4.3 (10)	98	10/10	4.1 (10)	93	10/10	3.5 (10)	80	10/10
8-7	4.6 (10)	10/10	4.5 (10)	98	10/10	4.6 (10)	100	10/10	4.4 (10)	96	10/10	4.2 (10)	91	10/10	3.4 (10)	74	10/10
9-7	4.5 (10)	10/10	4.7 (10)	104	10/10	4.6 (10)	102	10/10	4.4 (10)	98	10/10	4.3 (10)	96	10/10	3.6 (10)	80	10/10
10-7	4.7 (10)	10/10	4.7 (10)	100	10/10	4.7 (10)	100	10/10	4.6 (10)	98	10/10	4.3 (10)	91	10/10	3.7 (10)	79	10/10
11-7	4.6 (10)	10/10	4.6 (10)	100	10/10	4.7 (10)	102	10/10	4.6 (10)	100	10/10	4.3 (10)	93	10/10	3.6 (10)	78	10/10
12-7	4.6 (10)	10/10	4.6 (10)	100	10/10	4.7 (10)	102	10/10	4.5 (10)	98	10/10	4.2 (10)	91	10/10	3.6 (10)	78	10/10
13-7	4.6 (10)	10/10	4.7 (10)	102	10/10	4.6 (10)	100	10/10	4.6 (10)	100	10/10	4.3 (10)	93	10/10	3.7 (10)	80	10/10

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

TABLE E2

FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0783
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>	0.1ppm Av. FC.	0.1ppm % of cont. <10>	0.1ppm No. of Surviv.	0.3ppm Av. FC.	0.3ppm % of cont. <10>	0.3ppm No. of Surviv.	1ppm Av. FC.	1ppm % of cont. <10>	1ppm No. of Surviv.	2ppm Av. FC.	2ppm % of cont. <10>	2ppm No. of Surviv.	3ppm Av. FC.	3ppm % of cont. <10>	3ppm No. of Surviv.
1-7	3.7 (10)	10/10	3.8 (10)	103	10/10	3.6 (10)	97	10/10	3.7 (10)	100	10/10	3.5 (10)	95	10/10	3.0 (10)	81	10/10
2-7	4.1 (10)	10/10	3.9 (10)	95	10/10	3.9 (10)	95	10/10	3.9 (10)	95	10/10	3.7 (10)	90	10/10	2.9 (10)	71	10/10
3-7	4.3 (10)	10/10	4.2 (10)	98	10/10	4.1 (10)	95	10/10	4.2 (10)	98	10/10	4.0 (10)	93	10/10	3.2 (10)	74	10/10
4-7	4.4 (10)	10/10	4.3 (10)	98	10/10	4.4 (10)	100	10/10	4.3 (9)	98	10/10	3.8 (10)	86	10/10	3.0 (10)	68	10/10
5-7	4.7 (10)	10/10	4.3 (10)	91	10/10	4.5 (10)	96	10/10	4.5 (10)	96	10/10	4.1 (10)	87	10/10	3.2 (10)	68	10/10
6-7	4.8 (10)	10/10	4.4 (10)	92	10/10	4.5 (10)	94	10/10	4.6 (10)	96	10/10	4.1 (10)	85	10/10	3.2 (10)	67	10/10
7-7	4.6 (9)	10/10	4.4 (10)	96	10/10	4.6 (10)	100	10/10	4.7 (10)	102	10/10	4.3 (10)	93	10/10	3.3 (10)	72	10/10
8-7	4.7 (10)	10/10	4.5 (10)	96	10/10	4.5 (10)	96	10/10	4.6 (10)	98	10/10	4.3 (10)	91	10/10	3.4 (10)	72	10/10
9-7	4.6 (10)	10/10	4.6 (10)	100	10/10	4.5 (10)	98	10/10	4.7 (10)	102	10/10	4.3 (10)	93	10/10	3.5 (10)	76	10/10
10-7	4.7 (10)	10/10	4.6 (10)	98	10/10	4.5 (10)	96	10/10	4.8 (10)	102	10/10	4.4 (10)	94	10/10	3.5 (10)	74	10/10
11-7	4.8 (10)	10/10	4.5 (10)	94	10/10	4.6 (10)	96	10/10	4.8 (10)	100	10/10	4.5 (10)	94	10/10	3.5 (10)	73	10/10
12-7	4.8 (10)	10/10	4.6 (10)	96	10/10	4.7 (10)	98	10/10	4.7 (10)	98	10/10	4.6 (10)	96	10/10	3.6 (10)	75	10/10
13-7	4.7 (10)	10/10	4.5 (10)	96	10/10	4.6 (10)	98	10/10	4.5 (10)	96	10/10	4.5 (10)	96	10/10	3.5 (10)	74	10/10

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

TABLE E3

FOOD CONSUMPTION CHANGES : MALE

STUDY NO. : 0783
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day (effective) 1-7 (7)	2-7 (7)	3-7 (7)	4-7 (7)	5-7 (7)	6-7 (7)	7-7 (7)
Control	4.4± 0.2	4.4± 0.3	4.4± 0.3	4.3± 0.3	4.5± 0.3	4.4± 0.4	4.4± 0.4
0.1ppm	4.5± 0.3	4.4± 0.5	4.6± 0.8	4.4± 0.4	4.4± 0.4	4.5± 0.3	4.4± 0.4
0.3ppm	4.2± 0.3	4.4± 0.3	4.3± 0.3	4.3± 0.3	4.4± 0.3	4.4± 0.3	4.4± 0.3
1ppm	4.3± 0.2	4.2± 0.1	4.3± 0.2	4.3± 0.2	4.2± 0.2	4.4± 0.2	4.3± 0.2
2ppm	4.1± 0.2*	4.1± 0.2**	4.3± 0.5	4.2± 0.6	4.2± 0.5	4.1± 0.2*	4.1± 0.3
3ppm	3.3± 0.3**	3.3± 0.3**	3.8± 0.2**	3.2± 0.2**	3.4± 0.1**	3.5± 0.1**	3.5± 0.1**

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

STUDY NO. : 0783
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	4.6± 0.3	4.5± 0.2	4.7± 0.3	4.6± 0.3	4.6± 0.4	4.6± 0.3
0.1ppm	4.5± 0.4	4.7± 0.3	4.7± 0.4	4.6± 0.3	4.6± 0.3	4.7± 0.3
0.3ppm	4.6± 0.5	4.6± 0.4	4.7± 0.4	4.7± 0.4	4.7± 0.4	4.6± 0.3
1ppm	4.4± 0.3	4.4± 0.3	4.6± 0.3	4.6± 0.3	4.5± 0.3	4.6± 0.2
2ppm	4.2± 0.3*	4.3± 0.2	4.3± 0.3*	4.3± 0.3	4.2± 0.2	4.3± 0.3*
3ppm	3.4± 0.2**	3.6± 0.2**	3.7± 0.2**	3.6± 0.2**	3.6± 0.2**	3.7± 0.2**

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

TABLE E4

FOOD CONSUMPTION CHANGES : FEMALE

STUDY NO. : 0783
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	3.7± 0.2	4.1± 0.3	4.3± 0.4	4.4± 0.4	4.7± 0.5	4.8± 0.6	4.6± 0.3
0.1ppm	3.8± 0.4	3.9± 0.3	4.2± 0.4	4.3± 0.3	4.3± 0.4	4.4± 0.3	4.4± 0.4
0.3ppm	3.6± 0.4	3.9± 0.5	4.1± 0.4	4.4± 0.7	4.5± 0.9	4.5± 0.4	4.6± 0.5
1ppm	3.7± 0.2	3.9± 0.3	4.2± 0.4	4.3± 0.4	4.5± 0.3	4.6± 0.4	4.7± 0.4
2ppm	3.5± 0.2	3.7± 0.2**	4.0± 0.3	3.8± 0.2**	4.1± 0.2**	4.1± 0.3**	4.3± 0.3
3ppm	3.0± 0.2**	2.9± 0.2**	3.2± 0.3**	3.0± 0.2**	3.2± 0.2**	3.2± 0.2**	3.3± 0.2**

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

STUDY NO. : 0783
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	4.7± 0.3	4.6± 0.3	4.7± 0.3	4.8± 0.4	4.8± 0.4	4.7± 0.4
0.1ppm	4.5± 0.2	4.6± 0.3	4.6± 0.4	4.5± 0.4	4.6± 0.3	4.5± 0.3
0.3ppm	4.5± 0.3	4.5± 0.4	4.5± 0.3	4.6± 0.2	4.7± 0.4	4.6± 0.4
1ppm	4.6± 0.3	4.7± 0.3	4.8± 0.4	4.8± 0.4	4.7± 0.3	4.5± 0.3
2ppm	4.3± 0.2**	4.3± 0.3	4.4± 0.4	4.5± 0.3	4.6± 0.7	4.5± 0.4
3ppm	3.4± 0.2**	3.5± 0.2**	3.5± 0.2**	3.5± 0.2**	3.6± 0.2**	3.5± 0.2**

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

TABLE F1

HEMATOLOGY : MALE

STUDY NO. : 0783
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	RED BLOOD CELL $10^6/\mu\ell$	HEMOGLOBIN g/dℓ	HEMATOCRIT %	MCV fℓ	MCH pg	MCHC g/dℓ	PLATELET $10^3/\mu\ell$
Control	10	11.25± 0.42	16.0± 0.4	51.0± 1.5	45.4± 0.6	14.2± 0.3	31.3± 0.4	1383± 74
0.1ppm	10	11.10± 0.26	15.8± 0.4	50.6± 1.2	45.5± 0.7	14.3± 0.2	31.3± 0.5	1325± 63
0.3ppm	10	11.02± 0.25	15.7± 0.5	50.3± 1.2	45.6± 0.5	14.2± 0.2	31.1± 0.4	1349± 265
1ppm	10	11.25± 0.26	16.1± 0.4	50.9± 1.0	45.3± 0.4	14.3± 0.1	31.5± 0.4	1369± 66
2ppm	10	11.52± 0.34	16.2± 0.6	51.9± 1.5	45.1± 1.2	14.1± 0.4	31.1± 0.6	1376± 121
3ppm	10	11.73± 0.21**	16.4± 0.3	52.6± 1.1*	44.8± 0.7	14.0± 0.2	31.3± 0.4	1475± 66

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

Group Name	NO. of Animals	RETICULOCYTE %
Control	10	1.9± 0.1
0.1ppm	10	2.0± 0.1
0.3ppm	10	2.0± 0.1
1ppm	10	2.0± 0.2
2ppm	10	2.1± 0.2
3ppm	10	1.7± 0.2

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

STUDY NO. : 0783
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 (%) NEUTRO	LYMPHO	MONO	EOSINO	BASO	OTHER
Control	10	1.98± 1.23	12± 4	83± 4	2± 1	3± 2	0± 0	0± 1
0.1ppm	10	1.64± 1.16	11± 3	85± 4	2± 1	2± 1	0± 0	0± 0
0.3ppm	10	1.67± 1.52	11± 4	84± 5	1± 1	3± 2	0± 0	1± 1
1ppm	10	2.24± 1.07	10± 2	85± 3	2± 1	3± 1	0± 0	0± 0
2ppm	10	1.74± 1.31	13± 4	83± 5	2± 1	2± 1	0± 0	0± 1
3ppm	10	1.83± 1.09	14± 3	81± 4	2± 1	3± 2	0± 0	1± 1

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

TABLE F2

HEMATOLOGY : FEMALE

STUDY NO. : 0783
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 fℓ	MCH pg	MCHC g/dℓ	PLATELET $10^3/\mu\ell$
Control	10	10.97± 0.34	16.0± 0.5	50.6± 1.5	46.2± 0.6	14.6± 0.1	31.7± 0.4	1193± 66
0.1ppm	10	10.90± 0.52	15.9± 0.7	50.0± 2.3	45.9± 0.5	14.6± 0.2	31.7± 0.4	1209± 48
0.3ppm	10	10.87± 0.30	15.8± 0.5	49.9± 1.2	45.9± 0.5	14.6± 0.2	31.7± 0.4	1218± 89
1ppm	10	11.04± 0.26	16.2± 0.4	50.6± 1.1	45.9± 0.5	14.7± 0.1	32.0± 0.2	1215± 65
2ppm	10	11.10± 0.40	16.1± 0.6	51.1± 1.9	46.1± 0.4	14.6± 0.1	31.7± 0.3	1197± 86
3ppm	10	10.87± 0.37	15.6± 0.5	49.5± 1.6	45.6± 0.7	14.4± 0.1**	31.6± 0.5	1257± 86

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

Group Name	NO. of Animals	RETICULOCYTE %
Control	10	1.8± 0.2
0.1ppm	10	1.9± 0.2
0.3ppm	10	2.0± 0.4
1ppm	10	2.0± 0.3
2ppm	10	1.7± 0.3
3ppm	10	1.6± 0.2

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

STUDY NO. : 0783
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	WBC $10^3/\mu\ell$	Differential WBC (%) NEUTRO	LYMPHO	MONO	EOSINO	BASO	OTHER
Control	10	1.35± 0.81	16± 5	81± 5	1± 1	2± 1	0± 0	1± 1
0.1ppm	10	1.66± 0.81	15± 9	82± 10	1± 1	1± 1	0± 0	0± 1
0.3ppm	10	1.69± 1.23	14± 6	83± 6	1± 0	2± 1	0± 0	1± 1
1ppm	10	1.32± 0.92	15± 6	82± 6	1± 1	2± 2	0± 0	0± 1
2ppm	10	1.56± 1.14	15± 2	82± 2	1± 0	1± 1	0± 0	1± 1
3ppm	10	0.78± 0.53	14± 7	82± 8	1± 1	2± 2	0± 0	1± 1

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

TABLE G1

BIOCHEMISTRY : MALE

STUDY NO. : 0783
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± 0.2	2.7± 0.1	1.1± 0.1	0.10± 0.01	225± 37	84± 9	46± 23
0.1ppm	10	5.0± 0.1	2.6± 0.1	1.1± 0.0	0.11± 0.01	215± 17	79± 11	29± 15
0.3ppm	10	4.9± 0.2*	2.6± 0.1*	1.1± 0.1	0.10± 0.01	191± 35	82± 16	31± 15
1ppm	10	4.9± 0.1	2.6± 0.1	1.1± 0.1	0.10± 0.01	220± 37	81± 7	33± 11
2ppm	10	5.1± 0.2	2.7± 0.1	1.1± 0.1	0.12± 0.01**	224± 23	78± 13	16± 5**
3ppm	10	5.1± 0.1	2.7± 0.1	1.2± 0.1	0.13± 0.01**	212± 29	78± 3	16± 5**

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

STUDY NO. : 0783
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 U/L	ALT U/L	LDH U/L	ALP U/L	G-GTP U/L	CK U/L
Control	10	172± 12	40± 4	15± 2	117± 19	227± 16	0± 0	34± 7
0.1ppm	10	164± 19	45± 9	17± 4	137± 40	241± 15	0± 0	48± 27
0.3ppm	10	166± 28	46± 8	16± 3	143± 56	219± 31	0± 0	51± 24
1ppm	10	166± 11	41± 5	15± 2	127± 39	215± 22	0± 0	38± 10
2ppm	10	156± 27	45± 7	17± 5	118± 30	231± 24	0± 0	44± 17
3ppm	10	144± 13**	40± 6	15± 1	125± 51	254± 28	0± 0	42± 10

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

STUDY NO. : 0783
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	27.2± 3.2	152± 1	4.1± 0.3	121± 1	8.6± 0.1	6.3± 0.8
0.1ppm	10	25.7± 3.7	152± 1	4.0± 0.2	121± 2	8.6± 0.2	6.4± 0.9
0.3ppm	10	26.0± 2.7	152± 1	3.9± 0.2	122± 1	8.6± 0.3	6.6± 0.7
1ppm	10	26.5± 4.5	151± 1	4.0± 0.2	121± 2	8.6± 0.1	6.1± 0.9
2ppm	10	27.7± 4.2	152± 1	3.9± 0.3	120± 2	8.7± 0.4	5.8± 1.1
3ppm	10	25.3± 3.9	151± 1	4.2± 0.4	121± 3	8.6± 0.2	6.4± 1.5

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

TABLE G2

BIOCHEMISTRY : FEMALE

STUDY NO. : 0783
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	5.1± 0.2	2.9± 0.1	1.4± 0.1	0.12± 0.02	190± 23	70± 7	15± 6
0.1ppm	10	5.1± 0.2	2.9± 0.1	1.3± 0.0*	0.10± 0.01	199± 17	71± 12	21± 14
0.3ppm	10	5.1± 0.2	2.9± 0.1	1.3± 0.0	0.10± 0.01	197± 19	77± 11	18± 8
1ppm	10	5.1± 0.2	2.9± 0.1	1.4± 0.1	0.10± 0.01	203± 15	72± 11	15± 7
2ppm	10	5.1± 0.2	3.0± 0.1	1.4± 0.1	0.11± 0.01	213± 27	71± 10	12± 6
3ppm	10	5.1± 0.1	3.0± 0.1	1.5± 0.1**	0.12± 0.01	180± 23	69± 11	12± 5

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

STUDY NO. : 0783
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 U/L	ALT U/L	LDH U/L	ALP U/L	G-GTP U/L	CK U/L
Control	10	135± 14	69± 25	23± 6	208± 78	381± 42	0± 0	102± 74
0.1ppm	10	143± 25	59± 11	20± 3	167± 60	372± 22	0± 0	66± 17
0.3ppm	10	148± 22	56± 13	19± 2	172± 67	371± 37	0± 0	88± 40
1ppm	10	135± 17	58± 12	20± 3	182± 85	369± 42	0± 0	74± 37
2ppm	10	131± 18	55± 14	19± 3	158± 47	380± 29	0± 0	82± 41
3ppm	10	116± 12	64± 19	20± 5	213± 76	452± 33**	0± 0	139± 78

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

STUDY NO. : 0783
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	23.8± 3.1	152± 2	3.8± 0.5	122± 2	8.6± 0.2	6.2± 0.9
0.1ppm	10	22.7± 3.4	152± 2	3.6± 0.3	122± 2	8.7± 0.2	6.5± 1.0
0.3ppm	10	23.4± 3.5	152± 2	3.8± 0.3	122± 2	8.6± 0.3	5.8± 0.9
1ppm	10	24.1± 3.2	152± 1	3.7± 0.3	122± 2	8.6± 0.2	6.0± 0.8
2ppm	10	25.4± 1.6	152± 2	3.7± 0.4	122± 2	8.6± 0.2	5.8± 1.0
3ppm	10	24.6± 2.7	152± 2	3.8± 0.3	122± 3	8.8± 0.3	7.0± 1.7

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

TABLE H1

URINALYSIS : MALE

STUDY NO. : 0783
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	0	4	6		0	5	5	0	0	0		10	0	0	0	0	0		2	4	4	0	0	0		10	0	0	0	0	
0.1ppm	10	0	1	1	1	3	3	1		0	4	6	0	0	0		10	0	0	0	0	0		1	6	2	1	0	0		10	0	0	0	0	
0.3ppm	10	0	1	1	1	0	2	5		0	1	8	1	0	0		10	0	0	0	0	0		1	6	1	1	1	0		10	0	0	0	0	
1ppm	10	0	0	0	1	0	2	7		0	3	7	0	0	0		10	0	0	0	0	0		2	3	5	0	0	0		10	0	0	0	0	
2ppm	10	0	0	1	2	1	1	5		0	3	4	3	0	0		10	0	0	0	0	0		2	1	7	0	0	0		10	0	0	0	0	
3ppm	10	0	1	0	1	1	0	7		0	3	7	0	0	0		10	0	0	0	0	0		2	5	3	0	0	0		10	0	0	0	0	

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

STUDY NO. : 0783
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

URINALYSIS

Group Name	NO. of Animals	Urobilinogen ±	+	2+	3+	4+	CHI
Control	10	10	0	0	0	0	
0.1ppm	10	10	0	0	0	0	
0.3ppm	10	10	0	0	0	0	
1ppm	10	10	0	0	0	0	
2ppm	10	10	0	0	0	0	
3ppm	10	10	0	0	0	0	

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

TABLE H2

URINALYSIS : FEMALE

STUDY NO. : 0783
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE 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	3	1	2	4		0	4	5	1	0	0		10	0	0	0	0	0		3	5	1	1	0	0		10	0	0	0	0	
0.1ppm	10	0	0	0	2	1	1	6		0	4	6	0	0	0		10	0	0	0	0	0		4	5	0	1	0	0		10	0	0	0	0	
0.3ppm	10	0	1	1	1	1	5	1		0	8	2	0	0	0		10	0	0	0	0	0		4	6	0	0	0	0		10	0	0	0	0	
1ppm	10	0	0	1	2	1	4	2		0	8	2	0	0	0		10	0	0	0	0	0		3	5	2	0	0	0		10	0	0	0	0	
2ppm	10	0	0	0	2	0	5	3		0	8	2	0	0	0		10	0	0	0	0	0		6	4	0	0	0	0		10	0	0	0	0	
3ppm	10	0	0	0	0	0	0	10	*	0	4	6	0	0	0		10	0	0	0	0	0		2	7	1	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	
0.1ppm	10	10	0	0	0	0	
0.3ppm	10	10	0	0	0	0	
1ppm	10	10	0	0	0	0	
2ppm	10	10	0	0	0	0	
3ppm	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. : 0783
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	(%)	0.1ppm 10	(%)	0.3ppm 10	(%)	1ppm 10	(%)
kidney	white zone		0	(0)	0	(0)	0	(0)	0	(0)
	hydronephrosis		0	(0)	2	(20)	0	(0)	0	(0)

Organ	Findings	Group Name / NO. of Animals	2ppm 10	(%)	3ppm 10	(%)
kidney	white zone		1	(10)	0	(0)
	hydronephrosis		2	(20)	1	(10)

TABLE I 2

GROSS FINDINGS : FEMALE

STUDY NO. : 0783
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE

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

Organ	Findings	Group Name	Control		0.1ppm		0.3ppm		1ppm	
		NO. of Animals	10	(%)	10	(%)	10	(%)	10	(%)
kidney	hydronephrosis		0	(0)	1	(10)	2	(20)	1	(10)

Organ	Findings	Group Name / NO. of Animals	2ppm 10	2ppm (%)	3ppm 10	3ppm (%)
kidney	hydronephrosis		0	(0)	0	(0)

TABLE J1

ORGAN WEIGHT, ABSOLUTE : MALE

STUDY NO. : 0783
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	29.5± 2.7	0.038± 0.006	0.012± 0.002	0.246± 0.031	0.161± 0.011	0.154± 0.012
0.1ppm	10	27.6± 1.9	0.035± 0.003	0.012± 0.002	0.239± 0.043	0.166± 0.014	0.152± 0.013
0.3ppm	10	27.0± 1.4*	0.032± 0.005*	0.011± 0.002	0.230± 0.026	0.158± 0.013	0.149± 0.012
1ppm	10	28.0± 2.2	0.033± 0.006	0.011± 0.002	0.236± 0.033	0.160± 0.009	0.144± 0.009
2ppm	10	24.6± 1.4**	0.029± 0.004**	0.012± 0.001	0.231± 0.041	0.148± 0.014*	0.149± 0.013
3ppm	10	22.1± 1.5**	0.028± 0.005**	0.012± 0.002	0.229± 0.033	0.126± 0.007**	0.147± 0.009

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

STUDY NO. : 0783
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	0.479± 0.019	0.050± 0.005	1.145± 0.080	0.459± 0.021
0.1ppm	10	0.577± 0.266	0.054± 0.010	1.087± 0.029	0.464± 0.028
0.3ppm	10	0.452± 0.030	0.052± 0.005	1.085± 0.057	0.458± 0.018
1ppm	10	0.467± 0.031	0.051± 0.005	1.111± 0.095	0.459± 0.023
2ppm	10	0.478± 0.113	0.050± 0.009	0.984± 0.062**	0.455± 0.022
3ppm	10	0.456± 0.269**	0.038± 0.005**	0.841± 0.066**	0.439± 0.025

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

TABLE J2

ORGAN WEIGHT, ABSOLUTE : FEMALE

STUDY NO. : 0783
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	20.7± 1.0	0.036± 0.005	0.016± 0.002	0.031± 0.003	0.128± 0.008	0.144± 0.012
0.1ppm	10	21.1± 1.2	0.042± 0.004*	0.016± 0.002	0.033± 0.004	0.131± 0.009	0.143± 0.012
0.3ppm	10	21.5± 0.8	0.041± 0.005	0.016± 0.002	0.032± 0.005	0.131± 0.010	0.145± 0.008
1ppm	10	21.2± 0.8	0.041± 0.005	0.017± 0.002	0.034± 0.005	0.136± 0.007	0.151± 0.013
2ppm	10	20.3± 0.8	0.035± 0.003	0.016± 0.002	0.029± 0.003	0.123± 0.006	0.149± 0.009
3ppm	10	17.7± 0.7**	0.031± 0.005	0.013± 0.002	0.025± 0.004**	0.107± 0.009**	0.146± 0.008

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

STUDY NO. : 0783
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	0.302± 0.012	0.059± 0.007	0.903± 0.058	0.470± 0.021
0.1ppm	10	0.318± 0.025	0.059± 0.008	0.943± 0.077	0.476± 0.028
0.3ppm	10	0.394± 0.213	0.063± 0.009	0.926± 0.064	0.468± 0.015
1ppm	10	0.366± 0.174	0.062± 0.006	0.911± 0.061	0.475± 0.023
2ppm	10	0.295± 0.014	0.053± 0.006	0.849± 0.049	0.464± 0.020
3ppm	10	0.269± 0.016**	0.036± 0.003**	0.700± 0.039**	0.438± 0.025**

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

TABLE K1

ORGAN WEIGHT, RELATIVE : MALE

STUDY NO. : 0783
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	29.5± 2.7	0.130± 0.018	0.041± 0.010	0.840± 0.132	0.550± 0.051	0.527± 0.065
0.1ppm	10	27.6± 1.9	0.127± 0.007	0.044± 0.008	0.866± 0.155	0.602± 0.063	0.554± 0.063
0.3ppm	10	27.0± 1.4*	0.118± 0.013	0.042± 0.006	0.855± 0.116	0.584± 0.041	0.551± 0.036
1ppm	10	28.0± 2.2	0.118± 0.015	0.039± 0.009	0.843± 0.097	0.573± 0.043	0.516± 0.037
2ppm	10	24.6± 1.4**	0.119± 0.017	0.049± 0.005	0.940± 0.152	0.602± 0.057	0.608± 0.062**
3ppm	10	22.1± 1.5**	0.129± 0.027	0.055± 0.010**	1.041± 0.159**	0.572± 0.042	0.667± 0.047**

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

STUDY NO. : 0783
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	1.631± 0.112	0.170± 0.020	3.890± 0.188	1.567± 0.162
0.1ppm	10	2.093± 0.943	0.195± 0.038	3.948± 0.242	1.690± 0.162
0.3ppm	10	1.675± 0.098	0.192± 0.012*	4.017± 0.170	1.698± 0.121
1ppm	10	1.674± 0.129	0.184± 0.018	3.975± 0.225	1.650± 0.149
2ppm	10	1.947± 0.458**	0.202± 0.037*	4.006± 0.225	1.857± 0.126**
3ppm	10	2.089± 1.325	0.173± 0.016	3.809± 0.240	1.990± 0.134**

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

TABLE K2

ORGAN WEIGHT, RELATIVE : FEMALE

STUDY NO. : 0783
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	20.7± 1.0	0.175± 0.022	0.076± 0.013	0.151± 0.010	0.618± 0.048	0.695± 0.056
0.1ppm	10	21.1± 1.2	0.200± 0.019	0.075± 0.008	0.156± 0.018	0.621± 0.024	0.677± 0.047
0.3ppm	10	21.5± 0.8	0.190± 0.028	0.075± 0.010	0.148± 0.025	0.612± 0.059	0.675± 0.062
1ppm	10	21.2± 0.8	0.194± 0.025	0.080± 0.011	0.161± 0.025	0.641± 0.026	0.715± 0.065
2ppm	10	20.3± 0.8	0.173± 0.010	0.080± 0.011	0.142± 0.015	0.605± 0.031	0.736± 0.041
3ppm	10	17.7± 0.7**	0.175± 0.028	0.076± 0.011	0.141± 0.023	0.605± 0.056	0.825± 0.063**

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

STUDY NO. : 0783
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	1.458± 0.076	0.285± 0.027	4.356± 0.159	2.274± 0.156
0.1ppm	10	1.505± 0.075	0.279± 0.027	4.459± 0.174	2.256± 0.127
0.3ppm	10	1.827± 0.970	0.292± 0.034	4.306± 0.221	2.180± 0.135
1ppm	10	1.711± 0.733	0.294± 0.028	4.298± 0.191	2.245± 0.116
2ppm	10	1.451± 0.062	0.261± 0.024	4.177± 0.109	2.285± 0.141
3ppm	10	1.520± 0.082	0.206± 0.017**	3.963± 0.258**	2.481± 0.197*

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

TABLE L1

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : MALE

Organ	Findings	Group Name / Grade	Control				0.1ppm				0.3ppm				1ppm			
		No. of Animals on Study	10				10				10				10			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Respiratory system}																		
nasal cavit			<10>				<10>				<10>				<10>			
	angiectasis		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:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	1 (10)	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)	0 (0)	0 (0)	2 (20)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	4 (40)	0 (0)	0 (0)	0 (0)
	respiratory metaplasia:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	respiratory metaplasia:gland		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	squamous cell metaplasia: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:turbinate		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	atrophy:olfactory gland		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

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	2ppm				3ppm			
		No. of Animals on Study	10				10			
		Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Respiratory system}										
nasal cavit			<10>				<10>			
	angiectasis		3 (30)	0 (0)	0 (0)	0 (0)	10 (100)	0 (0)	0 (0)	0 ** (0)
	eosinophilic change:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	eosinophilic change:respiratory epithelium		2 (20)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	respiratory metaplasia:olfactory epithelium		2 (20)	0 (0)	0 (0)	0 (0)	9 (90)	0 (0)	0 (0)	0 ** (0)
	respiratory metaplasia:gland		0 (0)	0 (0)	0 (0)	0 (0)	6 (60)	0 (0)	0 (0)	0 * (0)
	squamous cell metaplasia:respiratory epithelium		4 (40)	0 (0)	0 (0)	0 (0)	2 (20)	0 (0)	0 (0)	0 (0)
	atrophy:turbinate		10 (100)	0 (0)	0 (0)	0 ** (0)	0 (0)	10 (100)	0 (0)	0 ** (0)
	atrophy:olfactory gland		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	10 (100)	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 / No. of Animals on Study / Grade	Control 10 1+ (%)	2+ (%)	3+ (%)	4+ (%)	0.1ppm 10 1+ (%)	2+ (%)	3+ (%)	4+ (%)	0.3ppm 10 1+ (%)	2+ (%)	3+ (%)	4+ (%)	1ppm 10 1+ (%)	2+ (%)	3+ (%)	4+ (%)
[Respiratory system]																		
nasal cavit			<10>				<10>				<10>				<10>			
	hyperplasia:transitional 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)	10 (100)	0 (0)	0 (0)	0 (0) **
	atrophy:olfactory nerve		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)
	inflammtory infiltration: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)
	inflammatory infiltration: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)
	regeneration:transitional 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)	10 (100)	0 (0)	0 (0)	0 (0) **
	squamous cell metaplasia:transitional 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)
	regeneration: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)	10 (100)	0 (0)	0 (0) **
	regeneration: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)

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	2ppm				3ppm			
		No. of Animals on Study	10				10			
		Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Respiratory system}										
nasal cavit			<10>				<10>			
	hyperplasia:transitional epithelium		0 (0)	0 (0)	10 (100)	0 ** (0)	0 (0)	0 (0)	10 (100)	0 ** (0)
	atrophy:olfactory nerve		4 (40)	0 (0)	0 (0)	0 (0)	0 (0)	10 (100)	0 (0)	0 ** (0)
	inflammtory infiltration:respiratory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	3 (30)	0 (0)	0 (0)	0 (0)
	inflammatory infiltration:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	2 (20)	0 (0)	0 (0)	0 (0)
	regeneration:transitional epithelium		10 (100)	0 (0)	0 (0)	0 ** (0)	10 (100)	0 (0)	0 (0)	0 ** (0)
	squamous cell metaplasia:transitional epithelium		8 (80)	0 (0)	0 (0)	0 ** (0)	6 (60)	1 (10)	0 (0)	0 ** (0)
	regeneration:respiratory epithelium		0 (0)	10 (100)	0 (0)	0 ** (0)	0 (0)	10 (100)	0 (0)	0 ** (0)
	regeneration:olfactory epithelium		2 (20)	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				0.1ppm				0.3ppm				1ppm			
		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>			
	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)
	hyperplasia: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)	10 (100)	0 (0)	0 (0)	0 (0) **
	exudate:respiratory region		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	exudate:olfactory region		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	exudate:neutrophil leukocyte,respiratory region		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	exudate:neutrophil leukocyte,olfactory region		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
nasopharynx			<10>				<10>				<10>				<10>			
	eosinophilic change		0 (0)	0 (0)	0 (0)	0 (0)	2 (20)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	regenaration: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)

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	2ppm				3ppm			
		No. of Animals on Study	10				10			
		Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Respiratory system}										
nasal cavit			<10>				<10>			
	atrophy:olfactory epithelium		2 (20)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	10 (100)	0 (0) **
	hyperplasia:respiratory epithelium		10 (100)	0 (0)	0 (0)	0 (0) **	10 (100)	0 (0)	0 (0)	0 (0) **
	exudate:respiratory region		0 (0)	0 (0)	0 (0)	0 (0)	2 (20)	2 (20)	0 (0)	0 (0)
	exudate:olfactory region		0 (0)	1 (10)	0 (0)	0 (0)	0 (0)	1 (10)	9 (90)	0 (0) **
	exudate:neutrophil leukocyte,respiratory region		0 (0)	0 (0)	0 (0)	0 (0)	6 (60)	1 (10)	0 (0)	0 (0) **
	exudate:neutrophil leukocyte,olfactory region		0 (0)	0 (0)	0 (0)	0 (0)	1 (10)	0 (0)	0 (0)	0 (0)
nasopharynx			<10>				<10>			
	eosinophilic change		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	regenaration:epithelium		6 (60)	0 (0)	0 (0)	0 (0) *	0 (0)	5 (50)	5 (50)	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 / No. of Animals on Study / Grade	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	0.1ppm 1+ (%)	0.1ppm 2+ (%)	0.1ppm 3+ (%)	0.1ppm 4+ (%)	0.3ppm 1+ (%)	0.3ppm 2+ (%)	0.3ppm 3+ (%)	0.3ppm 4+ (%)	1ppm 1+ (%)	1ppm 2+ (%)	1ppm 3+ (%)	1ppm 4+ (%)
{Respiratory system}																		
lung		<10>																
	granulation		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)
	bronchiolar-alveolar cell hyperplasia		0 (0)	0 (0)	0 (0)	0 (0)	1 (10)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
{Hematopoietic system}																		
spleen		<10>																
	deposit of melanin		0 (0)	0 (0)	0 (0)	0 (0)	1 (10)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (20)	0 (0)	0 (0)	0 (0)
{Digestive system}																		
stomach		<10>																
	ulcer:forestomach		1 (10)	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)
liver		<10>																
	inflammatory cell nest		1 (10)	0 (0)	0 (0)	0 (0)	1 (10)	0 (0)	0 (0)	0 (0)	2 (20)	0 (0)	0 (0)	0 (0)	1 (10)	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	2ppm				3ppm			
		No. of Animals on Study	10				10			
		Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Respiratory system}										
lung			<10>				<10>			
	granulation		1 (10)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	bronchiolar-alveolar cell hyperplasia		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
{Hematopoietic system}										
spleen			<10>				<10>			
	deposit of melanin		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
{Digestive system}										
stomach			<10>				<10>			
	ulcer:forestomach		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
liver			<10>				<10>			
	inflammatory cell nest		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 / Grade	Control				0.1ppm				0.3ppm				1ppm			
		No. of Animals on Study	10				10				10				10			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Urinary system}																		
kidney			<10>				<10>				<10>				<10>			
	inflammatory polyp		0 (0)	0 (0)	0 (0)	0 (0)	1 (10)	0 (0)	0 (0)	0 (0)	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)	2 (20)	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	2ppm				3ppm			
		No. of Animals on Study	10				10			
		Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Urinary system}										
kidney			<10>				<10>			
	inflammatory polyp		0 (0)	1 (10)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hydronephrosis		0 (0)	0 (0)	2 (20)	0 (0)	0 (0)	0 (0)	1 (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

TABLE L2

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : FEMALE

Organ	Findings	Group Name / No. of Animals on Study / Grade	Control 10 1+ (%)	Control 10 2+ (%)	Control 10 3+ (%)	Control 10 4+ (%)	0.1ppm 10 1+ (%)	0.1ppm 10 2+ (%)	0.1ppm 10 3+ (%)	0.1ppm 10 4+ (%)	0.3ppm 10 1+ (%)	0.3ppm 10 2+ (%)	0.3ppm 10 3+ (%)	0.3ppm 10 4+ (%)	1ppm 10 1+ (%)	1ppm 10 2+ (%)	1ppm 10 3+ (%)	1ppm 10 4+ (%)
{Respiratory system}																		
nasal cavit		<10>					<10>				<10>				<10>			
	angiectasis		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:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	1 (10)	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)	0 (0)	0 (0)	4 (40)	0 (0)	0 (0)	0 (0)	6 (60)	0 (0)	0 (0)	0 * (0)	1 (10)	8 (80)	0 (0)	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)
	respiratory metaplasia:gland		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	squamous cell metaplasia: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:turbinate		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	atrophy:olfactory gland		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

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	2ppm				3ppm			
		No. of Animals on Study	10				10			
		Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Respiratory system}										
nasal cavit			<10>				<10>			
	angiectasis		4 (40)	0 (0)	0 (0)	0 (0)	8 (80)	0 (0)	0 (0)	0 ** (0)
	eosinophilic change:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	1 (10)	0 (0)	0 (0)	0 (0)
	eosinophilic change:respiratory epithelium		3 (30)	0 (0)	0 (0)	0 (0)	3 (30)	0 (0)	0 (0)	0 (0)
	respiratory metaplasia:olfactory epithelium		6 (60)	0 (0)	0 (0)	0 * (0)	10 (100)	0 (0)	0 (0)	0 ** (0)
	respiratory metaplasia:gland		1 (10)	0 (0)	0 (0)	0 (0)	3 (30)	0 (0)	0 (0)	0 (0)
	squamous cell metaplasia:respiratory epithelium		6 (60)	0 (0)	0 (0)	0 * (0)	7 (70)	0 (0)	0 (0)	0 ** (0)
	atrophy:turbinate		8 (80)	1 (10)	0 (0)	0 ** (0)	0 (0)	10 (100)	0 (0)	0 ** (0)
	atrophy:olfactory gland		0 (0)	4 (40)	0 (0)	0 (0)	0 (0)	0 (0)	10 (100)	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 / No. of Animals on Study / Grade	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	0.1ppm 1+ (%)	0.1ppm 2+ (%)	0.1ppm 3+ (%)	0.1ppm 4+ (%)	0.3ppm 1+ (%)	0.3ppm 2+ (%)	0.3ppm 3+ (%)	0.3ppm 4+ (%)	1ppm 1+ (%)	1ppm 2+ (%)	1ppm 3+ (%)	1ppm 4+ (%)
		Control	10				10				10				10			
[Respiratory system]																		
nasal cavit			<10>				<10>				<10>				<10>			
	hyperplasia:transitional epithelium		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)	(100)	(0)	(0)
	atrophy:olfactory nerve		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)
	inflammtory infiltration:respiratory epithelium		0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0 **
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(80)	(0)	(0)	(0)
	inflammatory infiltration: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)
	regeneration:transitional epithelium		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)	(100)	(0)	(0)	(0)
	squamous cell metaplasia:transitional 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)
	regeneration:respiratory epithelium		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)	(100)	(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)

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	2ppm				3ppm			
		No. of Animals on Study	10				10			
		Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Respiratory system}										
nasal cavit			<10>				<10>			
	hyperplasia:transitional epithelium		0 (0)	0 (0)	10 (100)	0 ** (0)	0 (0)	0 (0)	10 (100)	0 ** (0)
	atrophy:olfactory nerve		6 (60)	0 (0)	0 (0)	0 * (0)	0 (0)	10 (100)	0 (0)	0 ** (0)
	inflammtory infiltration:respiratory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	inflammatory infiltration:olfactory epithelium		1 (10)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	regeneration:transitional epithelium		10 (100)	0 (0)	0 (0)	0 ** (0)	10 (100)	0 (0)	0 (0)	0 ** (0)
	squamous cell metaplasia:transitional epithelium		3 (30)	0 (0)	0 (0)	0 (0)	1 (10)	9 (90)	0 (0)	0 ** (0)
	regeneration:respiratory epithelium		0 (0)	8 (80)	2 (20)	0 ** (0)	0 (0)	10 (100)	0 (0)	0 ** (0)
	atrophy:olfactory epithelium		2 (20)	4 (40)	0 (0)	0 * (0)	0 (0)	0 (0)	10 (100)	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 / Grade	Control				0.1ppm				0.3ppm				1ppm			
		No. of Animals on Study	10				10				10				10			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Respiratory system}																		
nasal cavit			<10>				<10>				<10>				<10>			
	hyperplasia: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)	7 (70)	0 (0)	0 (0)	0 ** (0)
	exudate:respiratory region		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	exudate:olfactory region		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	exudate:neutrophil leukocyte,respiratory region		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
nasopharynx			<10>				<10>				<10>				<10>			
	regenaration: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)
lung			<10>				<10>				<10>				<10>			
	inflammatory infiltration		1 (10)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
{Hematopoietic system}																		
spleen			<10>				<10>				<10>				<10>			
	deposit of melanin		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (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	2ppm				3ppm			
		No. of Animals on Study	10				10			
		Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Respiratory system}										
nasal cavit			<10>				<10>			
	hyperplasia:respiratory epithelium		10 (100)	0 (0)	0 (0)	0 ** (0)	10 (100)	0 (0)	0 (0)	0 ** (0)
	exudate:respiratory region		0 (0)	0 (0)	0 (0)	0 (0)	4 (40)	2 (20)	0 (0)	0 * (0)
	exudate:olfactory region		0 (0)	4 (40)	0 (0)	0 (0)	0 (0)	0 (0)	10 (100)	0 ** (0)
	exudate:neutrophil leukocyte,respiratory region		0 (0)	0 (0)	0 (0)	0 (0)	1 (10)	0 (0)	0 (0)	0 (0)
nasopharynx			<10>				<10>			
	regenaration:epithelium		9 (90)	0 (0)	0 (0)	0 ** (0)	0 (0)	5 (50)	5 (50)	0 ** (0)
lung			<10>				<10>			
	inflammatory infiltration		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
{Hematopoietic system}										
spleen			<10>				<10>			
	deposit of melanin		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

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

Organ	Findings	Group Name	Control				0.1ppm				0.3ppm				1ppm			
		No. of Animals on Study	10				10				10				10			
		Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Digestive system}																		
liver			<10>				<10>				<10>				<10>			
	inflammatory cell nest		1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
			(10)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(10)	(0)	(0)	(0)
{Urinary system}																		
kidney			<10>				<10>				<10>				<10>			
	inflammatory polyp		0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(10)	(0)	(0)
	hydronephrosis		0	0	0	0	0	0	1	0	0	0	2	0	0	0	1	0
			(0)	(0)	(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(20)	(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	2ppm				3ppm			
		No. of Animals on Study	10				10			
		Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{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