

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

TABLE A	CONCENTRATIONS OF ACROLEIN IN THE INHALATION CHAMBER OF THE 13-WEEK INHALATION STUDY
TABLE B 1	SURVIVAL ANIMAL NUMBERS: MALE
TABLE B 2	SURVIVAL ANIMAL NUMBERS: FEMALE
TABLE C	CLINICAL OBSERVATION: FEMALE
TABLE D 1	BODY WEIGHT CHANGES AND SURVIVAL ANIMAL NUMBERS : MALE
TABLE D 2	BODY WEIGHT CHANGES AND SURVIVAL ANIMAL NUMBERS : FEMALE
TABLE D 3	BODY WEIGHT CHANGES: MALE
TABLE D 4	BODY WEIGHT CHANGES: FEMALE
TABLE E 1	FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL NUMBERS: MALE
TABLE E 2	FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL NUMBERS: FEMALE
TABLE E 3	FOOD CONSUMPTION CHANGES: MALE
TABLE E 4	FOOD CONSUMPTION CHANGES: FEMALE
TABLE F 1	HEMATOLOGY: MALE
TABLE F 2	HEMATOLOGY: FEMALE
TABLE G 1	BIOCHEMISTRY: MALE
TABLE G 2	BIOCHEMISTRY: FEMALE
TABLE H 1	URINALYSIS: MALE
TABLE H 2	URINALYSIS: FEMALE

TABLES (CONTINUED)

TABLE I 1 GROSS FINDINGS: MALE

TABLE I 2 GROSS FINDINGS: FEMALE

TABLE J 1 ORGAN WEIGHT, ABSOLUTE: MALE

TABLE J 2 ORGAN WEIGHT, ABSOLUTE: FEMALE

TABLE K 1 ORGAN WEIGHT, RELATIVE: MALE

TABLE K 2 ORGAN WEIGHT, RELATIVE: FEMALE

TABLE L 1 HISTOPATHOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS
: MALE

TABLE L 2 HISTOPATHOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS
: FEMALE

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 $\pm$ S.D.
Control	0.00 $\pm$ 0.00
0.1 ppm	0.10 $\pm$ 0.00
0.3 ppm	0.30 $\pm$ 0.01
1 ppm	1.02 $\pm$ 0.02
2 ppm	2.03 $\pm$ 0.02
3 ppm	3.03 $\pm$ 0.03

TABLE B1

SURVIVAL ANIMAL NUMBERS : MALE

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

SURVIVAL ANIMAL NUMBERS

PAGE : 1

Group Name	Animals At start	Administration (Weeks)													
		0	1	2	3	4	5	6	7	8	9	10	11	12	13
Control	10	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0
0.1ppm	10	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0
0.3ppm	10	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0
1ppm	10	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0
2ppm	10	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0
3ppm	10	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0
Number of survival/ Number of effective animals		Survival rate(%)													

(HAN360)

BAIS5

TABLE B2

SURVIVAL ANIMAL NUMBERS : FEMALE

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

SURVIVAL ANIMAL NUMBERS

PAGE : 2

Group Name	Animals At start	Administration (Weeks)													
		0	1	2	3	4	5	6	7	8	9	10	11	12	13
Control	10	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0
0.1ppm	10	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0
0.3ppm	10	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0
1ppm	10	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0
2ppm	10	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0
3ppm	10	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0	10/10 100.0
Number of survival/ Number of effective animals Survival rate (%)															

(HAN360)

BAIS5

TABLE C

CLINICAL OBSERVATION : FEMALE

STUDY NO. : 0783
ANIMAL : MOUSE B6D2F1/Crlj[Crlj:BDF1]
REPORT TYPE : A1 13

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 1

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

(HAN190)

BAIS 5

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

PAGE : 1

Week-Day on Study	Control			0.1ppm			0.3ppm			1ppm			2ppm			3ppm		
	Av. Wt.	No. of Surviv. <10>		Av. Wt.	% of cont. <10>	No. of Surviv.	Av. Wt.	% of cont. <10>	No. of Surviv.	Av. Wt.	% of cont. <10>	No. of Surviv.	Av. Wt.	% of cont. <10>	No. of Surviv.	Av. Wt.	% of cont. <10>	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

(B10040)

BAIS 5

TABLE D2

**BODY WEIGHT CHANGES AND SURVIVAL ANIMAL
NUMBERS : FEMALE**

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

MEAN BODY WEIGHTS AND SURVIVAL

PAGE : 2

Week-Day on Study	Control			0. 1ppm			0. 3ppm			1ppm			2ppm			3ppm		
	Av. Wt.	No. of Surviv. <10>		Av. Wt.	% of cont. <10>	No. of Surviv.	Av. Wt.	% of cont. <10>	No. of Surviv.	Av. Wt.	% of cont. <10>	No. of Surviv.	Av. Wt.	% of cont. <10>	No. of Surviv.	Av. Wt.	% of cont. <10>	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

(B10040)

BAIS 5

TABLE D3

BODY WEIGHT CHANGES : MALE

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

BODY WEIGHT CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 1

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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

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

PAGE : 2

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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

(HAN260)

BAIS5

TABLE D4

BODY WEIGHT CHANGES : FEMALE

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

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

PAGE : 3

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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

(HAN260)

BAIS5

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

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

PAGE : 4

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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

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

PAGE : 1

Week-Day on Study	Control			0.1ppm			0.3ppm			1ppm			2ppm			3ppm				
	Av. FC.	No. of Surviv. <10>		Av. FC.	% of cont. <10>	No. of Surviv.	Av. FC.	% of cont. <10>	No. of Surviv.	Av. FC.	% of cont. <10>	No. of Surviv.	Av. FC.	% of cont. <10>	No. of Surviv.	Av. FC.	% of cont. <10>	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	

(B10040)

BAIS 5

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

PAGE : 2

Week-Day on Study	Control			0.1ppm			0.3ppm			1ppm			2ppm			3ppm		
	Av. FC.	No. of Surviv. <10>		Av. FC.	% of cont. <10>	No. of Surviv.	Av. FC.	% of cont. <10>	No. of Surviv.	Av. FC.	% of cont. <10>	No. of Surviv.	Av. FC.	% of cont. <10>	No. of Surviv.	Av. FC.	% of cont. <10>	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																		

(B10040)

BAIS 5

TABLE E3

FOOD CONSUMPTION CHANGES : MALE

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

FOOD CONSUMPTION CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 1

Group Name	Administration 1-7 (7)	week-day (effective) 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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

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

FOOD CONSUMPTION CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 2

Group Name	Administration 8-7 (7)	week-day (effective) 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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

TABLE E4

FOOD CONSUMPTION CHANGES : FEMALE

STUDY NO. : 0783
ANIMAL : MOUSE B6D2F1/Cr1j [Crj:BDF1]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

PAGE : 3

Group Name	Administration week-day (effective)		3-7 (7)	4-7 (7)	5-7 (7)	6-7 (7)	7-7 (7)
	1-7 (7)	2-7 (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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

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

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

PAGE : 4

Group Name	Administration 8-7 (7)	week-day (effective) 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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

TABLE F1

HEMATOLOGY : MALE

STUDY NO. : 0783
 ANIMAL : MOUSE B6D2F1/CrJj [Crj:BDF1]
 MEASURE TIME : 1
 SEX : MALE

HEMATOLOGY (SUMMARY)
 ALL ANIMALS (14W)

REPORT TYPE : A1

PAGE : 1

Group Name	NO. of Animals	RED BLOOD CELL 10 ⁶ /μl		HEMOGLOBIN g/dl		HEMATOCRIT %		MCV fl		MCH pg		MCHC g/dl		PLATELET 10 ⁹ /μl	
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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

(HCL070)

BAIS 5

STUDY NO. : 0783
ANIMAL : MOUSE B6D2F1/CrIj [Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE

HEMATOLOGY (SUMMARY)
ALL ANIMALS (14W)

REPORT TYPE : A1

PAGE : 2

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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

(HCL070)

BAIS 5

STUDY NO. : 0783
 ANIMAL : MOUSE B6D2F1/CrJ [CrJ:BDF1]
 MEASURE TIME : 1
 SEX : MALE

HEMATOLOGY (SUMMARY)
 ALL ANIMALS (14W)

REPORT TYPE : A1

PAGE : 3

Group Name	NO. of Animals	WBC 10 ³ /μl		Differential		WBC (%)		MONO		EOSINO		BASO		OTHER	
				NEUTRO		LYMPHO									
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 ; * : $P \leq 0.05$

** : $P \leq 0.01$

Test of Dunnett

(HCL070)

BAIS 5

TABLE F2

HEMATOLOGY : FEMALE

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

HEMATOLOGY (SUMMARY)
 ALL ANIMALS (14W)

PAGE : 4

Group Name	NO. of Animals	RED BLOOD CELL 10 ⁶ /μl		HEMOGLOBIN g/dl		HEMATOCRIT %		MCV fl		MCH pg		MCHC g/dl		PLATELET 10 ⁹ /μl	
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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

(HCL070)

BAIS5

STUDY NO. : 0783
ANIMAL : MOUSE B6D2F1/CrIj [Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE

HEMATOLOGY (SUMMARY)
ALL ANIMALS (14W)

REPORT TYPE : A1

PAGE : 5

Group Name	NO. of Animals	RETICULOCTE %	
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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

(HCL070)

BAIS 5

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

HEMATOLOGY (SUMMARY)
 ALL ANIMALS (14W)

PAGE : 6

Group Name	NO. of Animals	WBC 10 ³ /μl		Differential NEUTRO		WBC (%) 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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

(HCL070)

BAIS 5

TABLE G1

BIOCHEMISTRY : MALE

STUDY NO. : 0783
 ANIMAL : MOUSE B6D2F1/CrIj [Crj:BDF1]
 MEASURE TIME : 1
 SEX : MALE

BIOCHEMISTRY (SUMMARY)
 ALL ANIMALS (14W)

REPORT TYPE : A1

PAGE : 1

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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

(HCL074)

BAIS 5

STUDY NO. : 0783
 ANIMAL : MOUSE B6D2F1/CrIj [Crj:BDF1]
 MEASURE TIME : 1
 SEX : MALE

BIOCHEMISTRY (SUMMARY)
 ALL ANIMALS (14W)

REPORT TYPE : A1

PAGE : 2

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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

(HCL074)

BAIS 5

STUDY NO. : 0783
 ANIMAL : MOUSE B6D2F1/Cr1j [Crj:BDF1]
 MEASURE. TIME : 1
 SEX : MALE

BIOCHEMISTRY (SUMMARY)
 ALL ANIMALS (14W)

REPORT TYPE : A1

PAGE : 3

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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

(HCL074)

BAIS 5

TABLE G2

BIOCHEMISTRY : FEMALE

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

BIOCHEMISTRY (SUMMARY)
 ALL ANIMALS (14W)

PAGE : 4

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 ; * : $P \leq 0.05$

** : $P \leq 0.01$

Test of Dunnett

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

BIOCHEMISTRY (SUMMARY)
 ALL ANIMALS (14W)

PAGE : 5

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 ; * : $P \leq 0.05$

** : $P \leq 0.01$

Test of Dunnett

(HCL074)

BAIS 5

STUDY NO. : 0783
 ANIMAL : MOUSE B6D2F1/Crj[Crl:BDF1]
 MEASURE. TIME : 1
 SEX : FEMALE

BIOCHEMISTRY (SUMMARY)
 ALL ANIMALS (14W)

REPORT TYPE : A1

PAGE : 6

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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

(HCL074)

BAIS 5

TABLE H1

URINALYSIS : MALE

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

URINALYSIS

PAGE : 1

Group Name	NO. of Animals	pH							CHI	Protein						CHI	Glucose						CHI	Ketone body						CHI	Occult blood						CHI
		5.0	6.0	6.5	7.0	7.5	8.0	8.5		—	±	+	2+	3+	4+		—	±	+	2+	3+	4+		—	±	+	2+	3+	4+		—	±	+	2+	3+		
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 : * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of CHI SQUARE

(HCL101)

BAIS5

STUDY NO. : 0783
ANIMAL : MOUSE B6D2F1/Cr1j [Crj:BDF1]
MEASURE TIME : 1
SEX : MALE

URINALYSIS

REPORT TYPE : A1

PAGE : 2

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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of CHI SQUARE

(HCL101)

BAIS 5

TABLE H2

URINALYSIS : FEMALE

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

URINALYSIS

PAGE : 3

Group Name	NO. of Animals	pH							CHI	Protein					CHI	Glucose					CHI	Ketone body					CHI	Occult blood				CHI			
		5.0	6.0	6.5	7.0	7.5	8.0	8.5		—	±	+	2+	3+		4+	—	±	+	2+		3+	4+	—	±	+		2+	3+	4+	—		±	+	2+
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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of CHI SQUARE

(HCL101)

BAIS5

STUDY NO. : 0783
ANIMAL : MOUSE B6D2F1/CrIj [Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE

URINALYSIS

REPORT TYPE : A1

PAGE : 4

Group Name	NO. of Animals	Urobilinogen ± + 2+ 3+ 4+	CHI
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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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of CHI SQUARE

(HCL101)

BAIS 5

TABLE I 1

GROSS FINDINGS : MALE

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

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

PAGE : 1

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

(HPT080)

BAIS 5

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

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

PAGE : 2

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

(HPT080)

BAIS 5

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)

PAGE : 3

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

(HPT080)

BAIS 5

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

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

PAGE : 4

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

(HPT080)

BAIS 5

TABLE J1

ORGAN WEIGHT, ABSOLUTE : MALE

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

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

PAGE : 1

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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

(HCL040)

BAIS 5

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

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

PAGE : 2

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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

(HCL040)

BAIS 5

TABLE J2

ORGAN WEIGHT, ABSOLUTE : FEMALE

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

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

PAGE : 3

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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

(HCL040)

BAIS 5

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

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

PAGE : 4

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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

(HCL040)

BAIS 5

TABLE K1

ORGAN WEIGHT, RELATIVE : MALE

STUDY NO. : 0783
ANIMAL : MOUSE B6D2F1/CrIj [Crj:BDF1]
REPORT TYPE : A1
SEX : MALE
UNIT: %

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

PAGE : 1

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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

(HCL042)

BAIS 5

STUDY NO. : 0783
 ANIMAL : MOUSE B6D2F1/CrIj [Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE
 UNIT: %

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

PAGE : 2

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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

(HCL042)

BAIS 5

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)

PAGE : 3

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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

(HCL042)

BAIS 5

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

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

PAGE : 4

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 ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

TABLE L1

**HISTOPATHOLOGICAL FINDINGS :
NON-NEOPLASTIC LESIONS : MALE**

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

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

PAGE : 1

Organ_____	Findings_____	Group Name No. of Animals on Study Grade	Control 10				0. 1ppm 10				0. 3ppm 10				1ppm 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

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

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

PAGE : 2

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	angiectasis			<10>				<10>			
				3	0	0	0	10	0	0	0 **
				(30)	(0)	(0)	(0)	(100)	(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	0	0	0	0	0	0	0
				(20)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	respiratory metaplasia:olfactory epithelium			2	0	0	0	9	0	0	0 **
				(20)	(0)	(0)	(0)	(90)	(0)	(0)	(0)
	respiratory metaplasia:gland			0	0	0	0	6	0	0	0 *
				(0)	(0)	(0)	(0)	(60)	(0)	(0)	(0)
	squamous cell metaplasia:respiratory epithelium			4	0	0	0	2	0	0	0
				(40)	(0)	(0)	(0)	(20)	(0)	(0)	(0)
	atrophy:turbinate			10	0	0	0 **	0	10	0	0 **
				(100)	(0)	(0)	(0)	(0)	(100)	(0)	(0)
	atrophy:olfactory gland			0	0	0	0	0	0	10	0 **
				(0)	(0)	(0)	(0)	(0)	(0)	(100)	(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

STUDY NO. : 0783
 ANIMAL : MOUSE B6D2F1/CrJ[BDF1]
 REPORT TYPE : A1
 SEX : MALE

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

PAGE : 3

Organ	Findings	Group Name No. of Animals on Study Grade	Control				0.1ppm				0.3ppm				1ppm			
			1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
[Respiratory system]																		
nasal cavit																		
	hyperplasia: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)
	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)
	inflammntory 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	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)
	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

STUDY NO. : 0783
 ANIMAL : MOUSE B6D2F1/CrJ[CrJ:BDF1]
 REPORT TYPE : A1
 SEX : MALE

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

PAGE : 4

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)
	inflammatory 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 : Number of animals with lesion
 (c) c : b / a * 100
 Significant difference : * : P ≤ 0.05 ** : P ≤ 0.01 Test of Chi Square

STUDY NO. : 0783
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

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

PAGE : 5

Organ_____	Findings_____	Group Name No. of Animals on Study Grade	Control				0.1ppm				0.3ppm				1ppm			
			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)
	regeneration: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

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

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

PAGE : 6

Organ	Findings	Group Name No. of Animals on Study				2ppm				3ppm			
		Grade				10				10			
		1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
[Respiratory system]													
nasal cavit													
	atrophy:olfactory epithelium	2	0	0	0	0	0	10	0 **	0	0	10	0 **
		(20)	(0)	(0)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)
	hyperplasia:respiratory epithelium	10	0	0	0 **	10	0	0	0 **	10	0	0	0 **
		(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	exudate:respiratory region	0	0	0	0	2	2	0	0	2	2	0	0
		(0)	(0)	(0)	(0)	(20)	(20)	(0)	(0)	(20)	(20)	(0)	(0)
	exudate:olfactory region	0	1	0	0	0	1	9	0 **	0	1	9	0 **
		(0)	(10)	(0)	(0)	(0)	(10)	(90)	(0)	(0)	(10)	(90)	(0)
	exudate:neutrophil leukocyte, respiratory region	0	0	0	0	6	1	0	0 **	6	1	0	0 **
		(0)	(0)	(0)	(0)	(60)	(10)	(0)	(0)	(60)	(10)	(0)	(0)
	exudate:neutrophil leukocyte, olfactory region	0	0	0	0	1	0	0	0	1	0	0	0
		(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(10)	(0)	(0)	(0)
nasopharynx													
	eosinophilic change	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:epithelium	6	0	0	0 *	0	5	5	0 **	6	5	5	0 **
		(60)	(0)	(0)	(0)	(0)	(50)	(50)	(0)	(60)	(50)	(50)	(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

STUDY NO. : 0783
 ANIMAL : MOUSE B6D2F1/CrIj[Cr]:BDF1]
 REPORT TYPE : A1
 SEX : MALE

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

PAGE : 7

Organ_____	Findings_____	Group Name No. of Animals on Study Grade	Control				0. 1ppm				0. 3ppm				1ppm			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
[Respiratory system]																		
lung	granulation		<10>				<10>				<10>				<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)	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	deposit of melanin		<10>				<10>				<10>				<10>			
		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)	0 (0)
[Digestive system]																		
stomach	ulcer:forestomach		<10>				<10>				<10>				<10>			
		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)	0 (0)
liver	inflammatory cell nest		<10>				<10>				<10>				<10>			
		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)	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

STUDY NO. : 0783
 ANIMAL : MOUSE B6D2F1/Gr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

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

PAGE : 8

Organ_____	Findings_____	Group Name No. of Animals on Study Grade	2ppm				3ppm			
			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 : Number of animals with lesion
 (c) c : b / a * 100
 Significant difference : * : P ≤ 0.05 ** : P ≤ 0.01 Test of Chi Square

(HPT150)

BAISS

STUDY NO. : 0783
 ANIMAL : MOUSE B6D2F1/Cr1J[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

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

PAGE : 9

Organ_____	Findings_____	Group Name No. of Animals on Study Grade	Control				0. 1ppm				0. 3ppm				1ppm			
			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 : * : $P \leq 0.05$ ** : $P \leq 0.01$ Test of Chi Square

(HPT150)

BAIS5

STUDY NO. : 0783
 ANIMAL : MOUSE B6D2F1/Cr1J[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

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

PAGE : 10

Organ	Findings	Group Name No. of Animals on Study Grade	2ppm				3ppm			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)

{Urinary system}

kidney

inflammatory polyp

<10>				<10>			
0	1	0	0	0	0	0	0
(0)	(10)	(0)	(0)	(0)	(0)	(0)	(0)

hydronephrosis

0	0	2	0	0	0	1	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

(HPT150)

BA1S5

TABLE L2

**HISTOPATHOLOGICAL FINDINGS :
NON-NEOPLASTIC LESIONS : FEMALE**

STUDY NO. : 0783
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

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

PAGE : 11

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>			
	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	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)
	eosinophilic change:respiratory epithelium		0	0	0	0	4	0	0	0	6	0	0	0 *	1	8	0	0 **
			(0)	(0)	(0)	(0)	(40)	(0)	(0)	(0)	(60)	(0)	(0)	(0)	(10)	(80)	(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

STUDY NO. : 0783
 ANIMAL : MOUSE B6D2F1/Cr1j[Crl:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

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

PAGE : 12

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										
	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

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

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

PAGE : 13

Organ_____	Findings_____	Group Name No. of Animals on Study Grade	Control 10				0.1ppm 10				0.3ppm 10				1ppm 10			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
[Respiratory system]																		
nasal cavit																		
	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)
	inflanmtory 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)	8 (80)	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)	10 (100)	0 (0)	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)	10 (100)	0 (0)	0 (0)	0 ** (0)
	atrophy:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

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

STUDY NO. : 0783
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

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

PAGE : 14

Organ	Findings	Group Name No. of Animals on Study				2ppm				3ppm			
		Grade				10				10			
		1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}													
nasal cavit		<10>				<10>				<10>			
	hyperplasia:transitional epithelium	0	0	10	0 **	0	0	10	0 **	0	0	10	0 **
		(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)
	atrophy:olfactory nerve	6	0	0	0 *	0	10	0	0 **	0	10	0	0 **
		(60)	(0)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)	(0)
	inflammatory 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)
	inflammatory infiltration:olfactory epithelium	1	0	0	0	0	0	0	0	0	0	0	0
		(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	regeneration:transitional epithelium	10	0	0	0 **	10	0	0	0 **	10	0	0	0 **
		(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	squamous cell metaplasia:transitional epithelium	3	0	0	0	1	9	0	0 **	1	9	0	0 **
		(30)	(0)	(0)	(0)	(10)	(90)	(0)	(0)	(10)	(90)	(0)	(0)
	regeneration:respiratory epithelium	0	8	2	0 **	0	10	0	0 **	0	10	0	0 **
		(0)	(80)	(20)	(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)	(0)
	atrophy:olfactory epithelium	2	4	0	0 *	0	0	10	0 **	0	0	10	0 **
		(20)	(40)	(0)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)

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

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

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

PAGE : 15

Organ_____	Findings_____	Group Name No. of Animals on Study Grade	Control 10				0.1ppm 10				0.3ppm 10				1ppm 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>			
	regeneration: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 : Number of animals with lesion
 (c) c : b / a * 100
 Significant difference : * : P ≤ 0.05 ** : P ≤ 0.01 Test of Chi Square

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

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

PAGE : 16

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	hyperplasia:respiratory epithelium			<10>				<10>			
				10	0	0	0 **	10	0	0	0 **
				(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	exudate:respiratory region			0	0	0	0	4	2	0	0 *
				(0)	(0)	(0)	(0)	(40)	(20)	(0)	(0)
	exudate:olfactory region			0	4	0	0	0	0	10	0 **
				(0)	(40)	(0)	(0)	(0)	(0)	(100)	(0)
	exudate:neutrophil leukocyte, respiratory region			0	0	0	0	1	0	0	0
				(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)
nasopharynx	regeneration:epithelium			<10>				<10>			
				9	0	0	0 **	0	5	5	0 **
				(90)	(0)	(0)	(0)	(0)	(50)	(50)	(0)
lung	inflammatory infiltration			<10>				<10>			
				0	0	0	0	0	0	0	0
				(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
[Hematopoietic system]											
spleen	deposit of melanin			<10>				<10>			
				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 : Number of animals with lesion
 (c) c : b / a * 100
 Significant difference : * : P ≤ 0.05 ** : P ≤ 0.01 Test of Chi Square

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

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

PAGE : 17

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

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

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

PAGE : 18

Organ	Findings	Group Name No. of Animals on Study Grade	2ppm				3ppm			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)

[Digestive system]

liver	inflammatory cell nest	<10>				<10>			
		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

[Urinary system]

kidney	inflammatory polyp	<10>				<10>			
		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 : Number of animals with lesion
 (c) c : b / a * 100
 Significant difference : * : $P \leq 0.05$ ** : $P \leq 0.01$ Test of Chi Square

(HPT150)

BAIS5