

# アクリル酸メチルのマウスを用いた吸入による13週間毒性試験報告書

試験番号：0804

## TABLES

## TABLES

TABLE A	CONCENTRATIONS OF METHYL ACRYLATE 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 1	CLINICAL OBSERVATION: MALE
TABLE C 2	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

## TABLES (CONTINUED)

TABLE H 1 URINALYSIS: MALE

TABLE H 2 URINALYSIS: FEMALE

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 METHYL ACRYLATE  
IN THE INHALATION CHAMBER  
OF THE 13-WEEK INHALATION STUDY**

CONCENTRATIONS OF METHYL ACRYLATE IN THE INHALATION  
CHAMBER OF THE 13-WEEK INHALATION STUDY

Group Name	Concentration(ppm) Mean $\pm$ S.D.
Control	0.00 $\pm$ 0.00
6.3 ppm	6.30 $\pm$ 0.02
12.5 ppm	12.49 $\pm$ 0.06
25 ppm	25.10 $\pm$ 0.13
50 ppm	50.06 $\pm$ 0.15
100 ppm	100.24 $\pm$ 0.33

**TABLE B1**

**SURVIVAL ANIMAL NUMBERS : MALE**

STUDY NO. : 0804  
ANIMAL : MOUSE B6D2F1/CrIj [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
6.3ppm	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
12.5ppm	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
25ppm	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
50ppm	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
100ppm	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. : 0804  
ANIMAL : MOUSE B6D2F1/Crlj [Crj: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
6.3ppm	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
12.5ppm	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
25ppm	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
50ppm	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
100ppm	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 C1**

**CLINICAL OBSERVATION : MALE**

STUDY NO. : 0804  
ANIMAL : MOUSE B6D2F1/CrIj [Crj:BDF1]  
REPORT TYPE : A1 13

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : MALE

PAGE : 1

Clinical sign	Group Name	Administration Week-day			4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		1-7	2-7	3-7										
PILOERECTOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0
	6.3ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	12.5ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	25ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	50ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	100ppm	0	1	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	1	1
	6.3ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	12.5ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	25ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	50ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	100ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
M. GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	1	1
	6.3ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	12.5ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	25ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	50ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	100ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	10	10	10	10	10	10	10	10	10	10	10	9	9
	6.3ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	12.5ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	25ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	50ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	100ppm	10	9	10	10	10	10	10	10	10	10	10	10	10

(HANT90)

BAIS 5

**TABLE C2**

**CLINICAL OBSERVATION : FEMALE**

STUDY NO. : 0804  
ANIMAL : MOUSE B6D2F1/Crlj[Crl:BDF1]  
REPORT TYPE : A1 13

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : FEMALE

PAGE : 2

Clinical sign	Group Name	Administration Week-day			4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		1-7	2-7	3-7										
INTERNAL MASS	Control	0	0	0	0	1	0	0	0	0	0	0	0	0
	6.3ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	12.5ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	25ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	50ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	100ppm	0	0	0	0	1	1	0	0	0	0	0	0	0
NON REMARKABLE	Control	10	10	10	10	9	10	10	10	10	10	10	10	10
	6.3ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	12.5ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	25ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	50ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	100ppm	10	10	10	10	9	9	10	10	10	10	10	10	10

(HAN190)

BAIS 5

**TABLE D1**

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

STUDY NO. : 0804  
 ANIMAL : MOUSE B6D2F1/CrJj[CrJ:BDF1]  
 UNIT : g  
 REPORT TYPE : A1 13  
 SEX : MALE

MEAN BODY WEIGHTS AND SURVIVAL

PAGE : 1

Week on Study	Control			6.3ppm			12.5ppm			25ppm			50ppm			100ppm		
	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	24.0 (10)	10/10		24.0 (10)	100	10/10	24.0 (10)	100	10/10	24.0 (10)	100	10/10	24.0 (10)	100	10/10	24.0 (10)	100	10/10
1	25.4 (10)	10/10		25.6 (10)	101	10/10	25.6 (10)	101	10/10	22.7 (10)	89	10/10	22.4 (10)	88	10/10	22.5 (10)	89	10/10
2	26.7 (10)	10/10		26.2 (10)	98	10/10	26.4 (10)	99	10/10	24.9 (10)	93	10/10	24.4 (10)	91	10/10	22.6 (10)	85	10/10
3	27.8 (10)	10/10		27.4 (10)	99	10/10	27.1 (10)	97	10/10	25.7 (10)	92	10/10	25.6 (10)	92	10/10	23.4 (10)	84	10/10
4	28.2 (10)	10/10		27.7 (10)	98	10/10	27.3 (10)	97	10/10	26.1 (10)	93	10/10	26.0 (10)	92	10/10	24.7 (10)	88	10/10
5	29.1 (10)	10/10		28.4 (10)	98	10/10	28.0 (10)	96	10/10	27.1 (10)	93	10/10	26.8 (10)	92	10/10	25.2 (10)	87	10/10
6	29.6 (10)	10/10		29.0 (10)	98	10/10	28.8 (10)	97	10/10	27.4 (10)	93	10/10	27.4 (10)	93	10/10	25.6 (10)	86	10/10
7	30.0 (10)	10/10		29.5 (10)	98	10/10	29.0 (10)	97	10/10	27.3 (10)	91	10/10	27.9 (10)	93	10/10	25.8 (10)	86	10/10
8	30.8 (10)	10/10		30.2 (10)	98	10/10	29.9 (10)	97	10/10	28.2 (10)	92	10/10	28.0 (10)	91	10/10	26.1 (10)	85	10/10
9	31.3 (10)	10/10		31.0 (10)	99	10/10	30.6 (10)	98	10/10	28.5 (10)	91	10/10	29.2 (10)	93	10/10	26.9 (10)	86	10/10
10	32.0 (10)	10/10		31.5 (10)	98	10/10	30.7 (10)	96	10/10	28.8 (10)	90	10/10	29.6 (10)	93	10/10	27.1 (10)	85	10/10
11	32.6 (10)	10/10		31.7 (10)	97	10/10	31.8 (10)	98	10/10	29.5 (10)	90	10/10	30.1 (10)	92	10/10	27.9 (10)	86	10/10
12	33.3 (10)	10/10		32.2 (10)	97	10/10	32.2 (10)	97	10/10	30.2 (10)	91	10/10	30.6 (10)	92	10/10	27.9 (10)	84	10/10
13	34.2 (10)	10/10		33.2 (10)	97	10/10	33.1 (10)	97	10/10	30.6 (10)	89	10/10	31.1 (10)	91	10/10	28.4 (10)	83	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. : 0804  
ANIMAL : MOUSE B6D2F1/Crlj [Crj:BDF1]  
UNIT : g  
REPORT TYPE : A1 13  
SEX : FEMALE

MEAN BODY WEIGHTS AND SURVIVAL

PAGE : 2

Week on Study	Control		6.3ppm			12.5ppm			25ppm			50ppm			100ppm		
	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	19.7 (10)	10/10	19.7 (10)	100	10/10	19.7 (10)	100	10/10	19.7 (10)	100	10/10	19.7 (10)	100	10/10	19.7 (10)	100	10/10
1	20.7 (10)	10/10	21.2 (10)	102	10/10	20.6 (10)	100	10/10	19.1 (10)	92	10/10	18.7 (10)	90	10/10	18.5 (10)	89	10/10
2	21.8 (10)	10/10	22.0 (10)	101	10/10	21.4 (10)	98	10/10	20.8 (10)	95	10/10	19.8 (10)	91	10/10	19.2 (10)	88	10/10
3	22.6 (10)	10/10	22.6 (10)	100	10/10	22.0 (10)	97	10/10	21.4 (10)	95	10/10	20.6 (10)	91	10/10	19.1 (10)	85	10/10
4	23.5 (10)	10/10	23.3 (10)	99	10/10	23.1 (10)	98	10/10	22.0 (10)	94	10/10	21.5 (10)	91	10/10	20.1 (10)	86	10/10
5	24.0 (10)	10/10	24.4 (10)	102	10/10	23.5 (10)	98	10/10	22.2 (10)	93	10/10	22.1 (10)	92	10/10	20.7 (10)	86	10/10
6	25.1 (10)	10/10	25.1 (10)	100	10/10	24.7 (10)	98	10/10	23.1 (10)	92	10/10	22.5 (10)	90	10/10	21.4 (10)	85	10/10
7	25.4 (10)	10/10	24.7 (10)	97	10/10	24.9 (10)	98	10/10	23.6 (10)	93	10/10	22.6 (10)	89	10/10	21.6 (10)	85	10/10
8	25.4 (10)	10/10	25.5 (10)	100	10/10	25.0 (10)	98	10/10	23.6 (10)	93	10/10	23.1 (10)	91	10/10	21.7 (10)	85	10/10
9	25.2 (10)	10/10	26.2 (10)	104	10/10	25.3 (10)	100	10/10	24.2 (10)	96	10/10	24.1 (10)	96	10/10	22.0 (10)	87	10/10
10	26.4 (10)	10/10	26.4 (10)	100	10/10	25.9 (10)	98	10/10	24.4 (10)	92	10/10	24.5 (10)	93	10/10	22.6 (10)	86	10/10
11	26.8 (10)	10/10	27.0 (10)	101	10/10	26.9 (10)	100	10/10	24.7 (10)	92	10/10	24.6 (10)	92	10/10	22.8 (10)	85	10/10
12	27.2 (10)	10/10	27.3 (10)	100	10/10	26.7 (10)	98	10/10	25.2 (10)	93	10/10	24.8 (10)	91	10/10	22.8 (10)	84	10/10
13	27.3 (10)	10/10	28.1 (10)	103	10/10	27.0 (10)	99	10/10	26.0 (10)	95	10/10	25.5 (10)	93	10/10	23.1 (10)	85	10/10
< >:No. of effective animals, ( ) :No. of measured animals      Av. Wt. : g																	

(B10040)

BAIS 5

**TABLE D3**

**BODY WEIGHT CHANGES : MALE**

STUDY NO. : 0804  
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDf1]  
UNIT : g  
REPORT TYPE : A1 13  
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)  
ALL ANIMALS

PAGE : 1

Group Name	Administration week						
	0	1	2	3	4	5	6
Control	24.0 ± 0.7	25.4 ± 0.7	26.7 ± 0.5	27.8 ± 0.6	28.2 ± 0.8	29.1 ± 0.9	29.6 ± 0.9
6.3ppm	24.0 ± 0.7	25.6 ± 1.3	26.2 ± 1.4	27.4 ± 1.4	27.7 ± 1.3	28.4 ± 1.3	29.0 ± 1.3
12.5ppm	24.0 ± 0.7	25.6 ± 0.7	26.4 ± 1.0	27.1 ± 1.2	27.3 ± 1.0	28.0 ± 0.9	28.8 ± 0.9
25ppm	24.0 ± 0.7	22.7 ± 1.4**	24.9 ± 0.9**	25.7 ± 1.3**	26.1 ± 1.0**	27.1 ± 1.2**	27.4 ± 1.2**
50ppm	24.0 ± 0.8	22.4 ± 2.2**	24.4 ± 0.8**	25.6 ± 0.9**	26.0 ± 0.8**	26.8 ± 0.8**	27.4 ± 1.2**
100ppm	24.0 ± 0.7	22.5 ± 1.4**	22.6 ± 2.4**	23.4 ± 1.5**	24.7 ± 1.0**	25.2 ± 1.0**	25.6 ± 0.9**

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

Test of Dunnett

(HAN260)

BAIS 5

STUDY NO. : 0804  
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	7	8	9	10	11	12	13
Control		30.0 ± 1.0	30.8 ± 1.1	31.3 ± 1.3	32.0 ± 1.4	32.6 ± 1.5	33.3 ± 1.6	34.2 ± 1.9
6.3ppm		29.5 ± 1.7	30.2 ± 1.7	31.0 ± 2.0	31.5 ± 2.4	31.7 ± 2.6	32.2 ± 2.8	33.2 ± 2.8
12.5ppm		29.0 ± 1.2	29.9 ± 1.3	30.6 ± 1.6	30.7 ± 1.6	31.8 ± 1.7	32.2 ± 1.7	33.1 ± 1.9
25ppm		27.3 ± 0.9**	28.2 ± 1.1**	28.5 ± 1.2**	28.8 ± 1.1**	29.5 ± 1.1**	30.2 ± 1.4**	30.6 ± 1.2**
50ppm		27.9 ± 1.0**	28.0 ± 1.3**	29.2 ± 1.2**	29.6 ± 1.4**	30.1 ± 1.5**	30.6 ± 1.8**	31.1 ± 1.6**
100ppm		25.8 ± 1.1**	26.1 ± 0.9**	26.9 ± 0.9**	27.1 ± 1.1**	27.9 ± 0.8**	27.9 ± 0.8**	28.4 ± 0.8**

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

Test of Dunnett

(HAN260)

BAIS 5

**TABLE D4**

**BODY WEIGHT CHANGES : FEMALE**

STUDY NO. : 0804  
ANIMAL : MOUSE B6D2F1/Crlj [Crj:BDF1]  
UNIT : g  
REPORT TYPE : A1 13  
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)  
ALL ANIMALS

PAGE : 3

Group Name	Administration week	0	1	2	3	4	5	6
Control		19.7 ± 0.7	20.7 ± 0.7	21.8 ± 0.9	22.6 ± 0.8	23.5 ± 0.8	24.0 ± 0.7	25.1 ± 0.9
6.3ppm		19.7 ± 0.7	21.2 ± 1.2	22.0 ± 1.3	22.6 ± 0.8	23.3 ± 1.3	24.4 ± 1.0	25.1 ± 1.0
12.5ppm		19.7 ± 0.7	20.6 ± 0.7	21.4 ± 0.7	22.0 ± 0.8	23.1 ± 0.5	23.5 ± 0.7	24.7 ± 1.0
25ppm		19.7 ± 0.7	19.1 ± 1.5*	20.8 ± 1.1	21.4 ± 0.8*	22.0 ± 0.7**	22.2 ± 1.2**	23.1 ± 1.1**
50ppm		19.7 ± 0.7	18.7 ± 1.5**	19.8 ± 0.8**	20.6 ± 0.7**	21.5 ± 0.5**	22.1 ± 0.7**	22.5 ± 0.7**
100ppm		19.7 ± 0.7	18.5 ± 1.3**	19.2 ± 1.0**	19.1 ± 1.3**	20.1 ± 1.2**	20.7 ± 0.8**	21.4 ± 0.7**

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

Test of Dunnett

(HAN260)

BAIS 5

STUDY NO. : 0804  
ANIMAL : MOUSE B6D2F1/Crlj [Crj: BDF1]  
UNIT : g  
REPORT TYPE : A1 13  
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)  
ALL ANIMALS

PAGE : 4

Group Name	Administration		week		7		8		9		10		11		12		13	
Control	25.4	± 1.0	25.4	± 1.2	25.2	± 0.6	26.4	± 1.2	26.8	± 0.8	27.2	± 0.9	27.3	± 0.9				
6.3ppm	24.7	± 0.8	25.5	± 1.6	26.2	± 1.2	26.4	± 1.1	27.0	± 1.6	27.3	± 1.6	28.1	± 1.4				
12.5ppm	24.9	± 0.6	25.0	± 0.7	25.3	± 0.8	25.9	± 1.1	26.9	± 1.1	26.7	± 1.0	27.0	± 0.9				
25ppm	23.6	± 1.2**	23.6	± 1.2**	24.2	± 0.9	24.4	± 1.3**	24.7	± 1.1**	25.2	± 1.1**	26.0	± 0.9*				
50ppm	22.6	± 0.6**	23.1	± 1.0**	24.1	± 0.7*	24.5	± 0.7**	24.6	± 1.0**	24.8	± 1.2**	25.5	± 1.3**				
100ppm	21.6	± 0.8**	21.7	± 0.9**	22.0	± 1.1**	22.6	± 1.0**	22.8	± 1.0**	22.8	± 1.1**	23.1	± 1.0**				

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

Test of Dunnett

(HAN260)

BAIS 5

**TABLE E1**

**FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL  
NUMBERS : MALE**



STUDY NO. : 0804  
ANIMAL : MOUSE B6D2F1/Crlj [Crl:BDf1]  
UNIT : g  
REPORT TYPE : A1 13  
SEX : MALE

MEAN FOOD CONSUMPTION (FC) AND SURVIVAL

PAGE : 1

Week on Study	Control			6. 3ppm			12. 5ppm			25ppm			50ppm			100ppm		
	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	4. 2 (10)	10/10		4. 4 (10)	105	10/10	4. 2 (10)	100	10/10	3. 4 (10)	81	10/10	3. 5 (10)	83	10/10	3. 6 (10)	86	10/10
2	4. 4 (10)	10/10		4. 4 (10)	100	10/10	4. 3 (10)	98	10/10	3. 9 (10)	89	10/10	3. 6 (10)	82	10/10	3. 2 (10)	73	10/10
3	4. 6 (10)	10/10		4. 6 (10)	100	10/10	4. 6 (10)	100	10/10	3. 9 (10)	85	10/10	3. 9 (10)	85	10/10	3. 6 (10)	78	10/10
4	4. 6 (10)	10/10		4. 6 (10)	100	10/10	4. 6 (10)	100	10/10	4. 0 (10)	87	10/10	3. 8 (10)	83	10/10	3. 8 (10)	83	10/10
5	4. 7 (10)	10/10		4. 8 (10)	102	10/10	4. 7 (10)	100	10/10	4. 2 (10)	89	10/10	4. 0 (10)	85	10/10	3. 8 (10)	81	10/10
6	4. 6 (10)	10/10		4. 9 (10)	107	10/10	4. 9 (10)	107	10/10	4. 1 (10)	89	10/10	4. 0 (10)	87	10/10	3. 8 (10)	83	10/10
7	4. 7 (10)	10/10		4. 9 (10)	104	10/10	4. 9 (10)	104	10/10	4. 1 (10)	87	10/10	4. 1 (10)	87	10/10	3. 9 (10)	83	10/10
8	5. 0 (10)	10/10		5. 0 (10)	100	10/10	5. 1 (10)	102	10/10	4. 4 (10)	88	10/10	4. 2 (10)	84	10/10	4. 0 (10)	80	10/10
9	4. 7 (10)	10/10		5. 0 (10)	106	10/10	5. 0 (10)	106	10/10	4. 4 (10)	94	10/10	4. 2 (10)	89	10/10	4. 1 (10)	87	10/10
10	4. 8 (10)	10/10		5. 0 (10)	104	10/10	5. 0 (10)	104	10/10	4. 3 (10)	90	10/10	4. 4 (10)	92	10/10	4. 0 (10)	83	10/10
11	4. 9 (10)	10/10		5. 0 (10)	102	10/10	5. 2 (10)	106	10/10	4. 5 (10)	92	10/10	4. 2 (10)	86	10/10	4. 2 (10)	86	10/10
12	5. 1 (10)	10/10		5. 2 (10)	102	10/10	5. 3 (10)	104	10/10	4. 6 (10)	90	10/10	4. 3 (10)	84	10/10	4. 2 (10)	82	10/10
13	5. 1 (10)	10/10		5. 2 (10)	102	10/10	5. 2 (10)	102	10/10	4. 5 (10)	88	10/10	4. 3 (10)	84	10/10	4. 2 (10)	82	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. : 0804  
 ANIMAL : MOUSE B6D2F1/Crlj [Crj:BDF1]  
 UNIT : g  
 REPORT TYPE : A1 13  
 SEX : FEMALE

MEAN FOOD CONSUMPTION (FC) AND SURVIVAL

PAGE : 2

Week on Study	Control			6.3ppm			12.5ppm			25ppm			50ppm			100ppm		
	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	3.6 (10)	10/10		3.7 (10)	103	10/10	3.5 (10)	97	10/10	3.2 (10)	89	10/10	3.0 (10)	83	10/10	3.0 (10)	83	10/10
2	4.1 (10)	10/10		4.0 (10)	98	10/10	4.0 (10)	98	10/10	3.5 (10)	85	10/10	3.2 (10)	78	10/10	2.9 (10)	71	10/10
3	4.7 (10)	10/10		4.4 (10)	94	10/10	4.3 (10)	91	10/10	3.6 (10)	77	10/10	3.4 (10)	72	10/10	3.1 (10)	66	10/10
4	5.3 (10)	10/10		4.6 (10)	87	10/10	4.8 (10)	91	10/10	4.0 (10)	75	10/10	3.7 (10)	70	10/10	3.4 (10)	64	10/10
5	5.6 (10)	10/10		4.9 (10)	88	10/10	5.2 (10)	93	10/10	4.2 (10)	75	10/10	3.8 (10)	68	10/10	3.6 (10)	64	10/10
6	5.6 (10)	10/10		5.1 (10)	91	10/10	5.4 (10)	96	10/10	4.5 (10)	80	10/10	4.0 (10)	71	10/10	3.8 (10)	68	10/10
7	6.2 ( 9)	10/10		5.2 (10)	84	10/10	5.6 (10)	90	10/10	4.5 (10)	73	10/10	4.0 (10)	65	10/10	3.8 (10)	61	10/10
8	5.5 ( 5)	10/10		5.6 (10)	102	10/10	5.6 (10)	102	10/10	4.6 (10)	84	10/10	4.1 (10)	75	10/10	3.8 (10)	69	10/10
9	5.0 (10)	10/10		5.5 (10)	110	10/10	5.7 (10)	114	10/10	4.8 (10)	96	10/10	4.3 (10)	86	10/10	3.8 (10)	76	10/10
10	5.3 (10)	10/10		5.5 (10)	104	10/10	5.9 (10)	111	10/10	4.7 (10)	89	10/10	4.3 (10)	81	10/10	3.9 (10)	74	10/10
11	6.7 (10)	10/10		6.1 (10)	91	10/10	5.9 (10)	88	10/10	4.8 (10)	72	10/10	4.3 (10)	64	10/10	4.0 (10)	60	10/10
12	6.6 (10)	10/10		5.9 (10)	89	10/10	6.3 (10)	95	10/10	4.8 (10)	73	10/10	4.4 (10)	67	10/10	3.9 (10)	59	10/10
13	6.3 (10)	10/10		5.7 (10)	90	10/10	5.8 (10)	92	10/10	4.8 (10)	76	10/10	4.3 (10)	68	10/10	4.0 ( 5)	63	10/10
< >:No. of effective animals, ( ):No. of measured animals																		
Av. FC. : g																		

(B10040)

BA155

**TABLE E3**

**FOOD CONSUMPTION CHANGES : MALE**

STUDY NO. : 0804  
 ANIMAL : MOUSE B6D2F1/Crlj [Crj:BDF1]  
 UNIT : g  
 REPORT TYPE : A1 13  
 SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)  
 ALL ANIMALS

PAGE : 1

Group Name	Administration week						
	1	2	3	4	5	6	7
Control	4.2 ± 0.2	4.4 ± 0.3	4.6 ± 0.3	4.6 ± 0.3	4.7 ± 0.3	4.6 ± 0.3	4.7 ± 0.3
6.3ppm	4.4 ± 0.3	4.4 ± 0.4	4.6 ± 0.3	4.6 ± 0.3	4.8 ± 0.3	4.9 ± 0.3*	4.9 ± 0.3
12.5ppm	4.2 ± 0.2	4.3 ± 0.2	4.6 ± 0.2	4.6 ± 0.2	4.7 ± 0.2	4.9 ± 0.2	4.9 ± 0.3
25ppm	3.4 ± 0.3**	3.9 ± 0.4	3.9 ± 0.2**	4.0 ± 0.2**	4.2 ± 0.3**	4.1 ± 0.3**	4.1 ± 0.2**
50ppm	3.5 ± 0.5**	3.6 ± 0.4**	3.9 ± 0.5**	3.8 ± 0.2**	4.0 ± 0.2**	4.0 ± 0.2**	4.1 ± 0.2**
100ppm	3.6 ± 0.3**	3.2 ± 0.6**	3.6 ± 0.6**	3.8 ± 0.5**	3.8 ± 0.2**	3.8 ± 0.2**	3.9 ± 0.2**

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

Test of Dunnett

(HAN260)

BAIS 5

STUDY NO. : 0804  
ANIMAL : MOUSE B6D2F1/Crlj [Crj:BDF1]  
UNIT : g  
REPORT TYPE : A1 13  
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)  
ALL ANIMALS

PAGE : 2

Group Name	Administration week					
	8	9	10	11	12	13
Control	5.0± 0.3	4.7± 0.3	4.8± 0.3	4.9± 0.3	5.1± 0.4	5.1± 0.3
6.3ppm	5.0± 0.4	5.0± 0.4	5.0± 0.4	5.0± 0.4	5.2± 0.5	5.2± 0.4
12.5ppm	5.1± 0.4	5.0± 0.4	5.0± 0.2	5.2± 0.3	5.3± 0.1	5.2± 0.3
25ppm	4.4± 0.2**	4.4± 0.2	4.3± 0.2**	4.5± 0.2*	4.6± 0.2**	4.5± 0.3**
50ppm	4.2± 0.3**	4.2± 0.3**	4.4± 0.3**	4.2± 0.3**	4.3± 0.3**	4.3± 0.1**
100ppm	4.0± 0.2**	4.1± 0.3**	4.0± 0.2**	4.2± 0.2**	4.2± 0.1**	4.2± 0.2**

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

Test of Dunnett

(HAN260)

BAIS 5

**TABLE E4**

**FOOD CONSUMPTION CHANGES : FEMALE**

STUDY NO. : 0804  
 ANIMAL : MOUSE B6D2F1/Crlj [Crj:BDF1]  
 UNIT : g  
 REPORT TYPE : A1 13  
 SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)  
 ALL ANIMALS

PAGE : 3

Group Name	Administration week						
	1	2	3	4	5	6	7
Control	3.6 ± 0.3	4.1 ± 0.3	4.7 ± 0.5	5.3 ± 1.1	5.6 ± 0.9	5.6 ± 0.6	6.2 ± 1.4
6.3ppm	3.7 ± 0.3	4.0 ± 0.2	4.4 ± 0.2	4.6 ± 0.3**	4.9 ± 0.3*	5.1 ± 0.3*	5.2 ± 0.3*
12.5ppm	3.5 ± 0.3	4.0 ± 0.2	4.3 ± 0.2**	4.8 ± 0.3	5.2 ± 0.3	5.4 ± 0.5	5.6 ± 0.7
25ppm	3.2 ± 0.4*	3.5 ± 0.3**	3.6 ± 0.2**	4.0 ± 0.2**	4.2 ± 0.4**	4.5 ± 0.2**	4.5 ± 0.4**
50ppm	3.0 ± 0.3**	3.2 ± 0.2**	3.4 ± 0.2**	3.7 ± 0.2**	3.8 ± 0.2**	4.0 ± 0.1**	4.0 ± 0.2**
100ppm	3.0 ± 0.4**	2.9 ± 0.2**	3.1 ± 0.3**	3.4 ± 0.2**	3.6 ± 0.1**	3.8 ± 0.2**	3.8 ± 0.2**

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

Test of Dunnett



STUDY NO. : 0804  
 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 week 8	9	10	11	12	13
Control	5.5 ± 0.7	5.0 ± 0.6	5.3 ± 0.6	6.7 ± 2.5	6.6 ± 1.5	6.3 ± 1.7
6.3ppm	5.6 ± 0.9	5.5 ± 0.5*	5.5 ± 0.7	6.1 ± 2.0	5.9 ± 0.9	5.7 ± 0.9
12.5ppm	5.6 ± 0.5	5.7 ± 0.7**	5.9 ± 0.6	5.9 ± 0.8	6.3 ± 1.1	5.8 ± 0.9
25ppm	4.6 ± 0.3**	4.8 ± 0.6	4.7 ± 0.4**	4.8 ± 0.5**	4.8 ± 0.3**	4.8 ± 0.5**
50ppm	4.1 ± 0.3**	4.3 ± 0.2**	4.3 ± 0.2**	4.3 ± 0.2**	4.4 ± 0.3**	4.3 ± 0.3**
100ppm	3.8 ± 0.2**	3.8 ± 0.2**	3.9 ± 0.2**	4.0 ± 0.2**	3.9 ± 0.3**	4.0 ± 0.2**

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

Test of Dunnett

**TABLE F1**

**HEMATOLOGY : MALE**

STUDY NO. : 0804  
ANIMAL : MOUSE B6D2F1/Crlj [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 1 O <sup>6</sup> /μl		HEMOGLOBIN g/dl		HEMATOCRIT %		MCV f l		MCH p g		MCHC g/dl		PLATELET 1 O <sup>9</sup> /μl	
Control	10	11.40±	0.32	16.3±	0.5	50.6±	1.5	44.4±	0.6	14.3±	0.3	32.2±	0.8	1301±	70
6.3ppm	10	11.32±	0.57	16.3±	0.7	50.5±	2.4	44.6±	0.7	14.4±	0.2	32.3±	0.7	1283±	77
12.5ppm	10	11.38±	0.26	16.4±	0.4	50.5±	1.4	44.4±	0.5	14.4±	0.1	32.4±	0.5	1303±	50
25ppm	10	11.31±	0.41	16.1±	0.5	50.3±	1.6	44.5±	0.6	14.3±	0.2	32.0±	0.3	1323±	86
50ppm	10	11.18±	0.34	16.0±	0.3	49.5±	1.5	44.3±	0.8	14.3±	0.2	32.3±	0.6	1341±	73
100ppm	10	11.00±	0.35	15.7±	0.4*	49.0±	1.2	44.6±	0.5	14.3±	0.2	32.1±	0.5	1328±	48

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

Test of Dunnett

STUDY NO. : 0804  
ANIMAL : MOUSE B6D2F1/Crlj[Crlj:BDF1]  
MEASURE TIME : 1  
SEX : MALE

HEMATOLOGY (SUMMARY)  
ALL ANIMALS ( 14W)

REPORT TYPE : A1

PAGE : 2

Group Name	NO. of Animals	RETICULOCYTE %	
Control	10	2.0±	0.2
6.3ppm	10	2.2±	0.5
12.5ppm	10	2.0±	0.2
25ppm	10	2.1±	0.2
50ppm	10	1.9±	0.2
100ppm	10	1.8±	0.1

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

Test of Dunnett

(HCL070)

BAIS5

STUDY NO. : 0804  
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		Differential		WBC (%)		MONO		EOSINO		BASO		OTHER	
		1	2	NEUTRO		LYMPHO									
Control	10	2.52±	1.07	17±	10	76±	10	4±	2	3±	1	0±	0	1±	1
6.3ppm	10	2.64±	1.17	14±	3	81±	4	3±	1	2±	1	0±	0	1±	0
12.5ppm	10	2.53±	1.05	14±	3	78±	4	4±	2	3±	2	0±	0	1±	1
25ppm	10	2.05±	1.26	13±	3	81±	4	3±	1	2±	1	0±	0	1±	1
50ppm	10	2.42±	1.07	11±	3	82±	4	3±	2	3±	2	0±	0	1±	1
100ppm	10	2.04±	0.95	13±	4	79±	5	3±	1	4±	2	0±	0	1±	1

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

**TABLE F2**

**HEMATOLOGY : FEMALE**

STUDY NO. : 0804  
ANIMAL : MOUSE B6D2F1/CrIj [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 <sup>6</sup> /μl		HEMOGLOBIN g/dl		HEMATOCRIT %		MCV fl		MCH pg		MCHC g/dl		PLATELET 10 <sup>9</sup> /μl	
Control	10	11.25±	0.35	16.6±	0.5	50.7±	1.4	45.0±	0.6	14.8±	0.1	32.9±	0.4	1167±	71
6.3ppm	10	11.17±	0.35	16.5±	0.5	50.1±	1.4	44.9±	0.5	14.8±	0.1	32.9±	0.3	1153±	80
12.5ppm	10	11.16±	0.33	16.4±	0.5	50.2±	1.4	45.0±	0.4	14.7±	0.1	32.8±	0.4	1210±	76
25ppm	10	11.24±	0.26	16.5±	0.3	50.8±	1.2	45.2±	0.6	14.7±	0.2	32.5±	0.6	1250±	81
50ppm	10	11.17±	0.35	16.4±	0.5	50.0±	1.4	44.7±	0.4	14.7±	0.2	32.8±	0.5	1226±	84
100ppm	10	10.61±	0.65**	15.7±	0.9**	48.0±	2.9**	45.2±	0.6	14.8±	0.2	32.6±	0.4	1169±	80

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

Test of Dunnett

(HCL070)

BAIS5

STUDY NO. : 0804  
ANIMAL : MOUSE B6D2F1/Crlj[Crl:BDF1]  
MEASURE TIME : 1  
SEX : FEMALE

HEMATOLOGY (SUMMARY)  
ALL ANIMALS ( 14W)

REPORT TYPE : A1

PAGE : 5

Group Name	NO. of Animals	RETICULOCYTE %	
Control	10	2.0±	0.3
6.3ppm	10	2.5±	0.7
12.5ppm	10	2.1±	0.6
25ppm	10	2.0±	0.5
50ppm	10	1.9±	0.3
100ppm	10	1.9±	0.3

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

Test of Dunnett

(HCL070)

BAIS5



STUDY NO. : 0804  
 ANIMAL : MOUSE B6D2F1/CrIj [Crj:BDF1]  
 MEASURE TIME : 1  
 SEX : FEMALE

HEMATOLOGY (SUMMARY)  
 ALL ANIMALS ( 14W)

REPORT TYPE : A1

PAGE : 6

Group Name	NO. of Animals	WBC 10 <sup>3</sup> /μl		Differential		WBC (%)		MONO		EOSINO		BASO		OTHER	
				NEUTRO		LYMPHO									
Control	10	1.88±	1.11	25±	10	66±	12	6±	5	2±	1	0±	0	1±	0
6.3ppm	10	2.17±	1.15	21±	7	72±	8	6±	4	2±	1	0±	0	1±	1
12.5ppm	10	1.42±	0.77	24±	11	70±	13	3±	2	2±	1	0±	0	1±	0
25ppm	10	1.59±	0.86	16±	4	79±	5*	2±	1	2±	1	0±	0	1±	1
50ppm	10	1.36±	0.65	17±	6	77±	6	3±	1	3±	1	1±	1	1±	1
100ppm	10	1.31±	1.10	14±	3*	77±	5	3±	1	4±	2*	0±	1	2±	4

Significant difference ; \* :  $P \leq 0.05$

\*\* :  $P \leq 0.01$

Test of Dunnett

(HCL070)

BA1S5

**TABLE G1**

**BIOCHEMISTRY : MALE**

STUDY NO. : 0804  
ANIMAL : MOUSE B6D2F1/Crlj [Crlj: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	2.9±	0.1	1.3±	0.1	0.06±	0.01	218±	17	80±	7	39±	18
6.3ppm	10	5.0±	0.2	2.9±	0.1	1.4±	0.1	0.07±	0.01	200±	28	76±	8	29±	13
12.5ppm	10	5.1±	0.1	2.9±	0.1	1.4±	0.1	0.06±	0.01	212±	25	79±	7	29±	15
25ppm	10	5.1±	0.1	3.0±	0.1	1.4±	0.1	0.07±	0.01	216±	34	74±	5	19±	8**
50ppm	10	5.2±	0.2	3.1±	0.1**	1.5±	0.1**	0.08±	0.01**	246±	22	87±	8	28±	10
100ppm	10	5.2±	0.2	3.1±	0.1**	1.5±	0.0**	0.09±	0.01**	224±	21	86±	8	20±	7**

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

Test of Dunnett

STUDY NO. : 0804  
 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	166±	14	45±	3	14±	2	135±	18	234±	19	0.4±	0.1	38±	5
6.3ppm	10	157±	16	46±	8	15±	2	152±	25	237±	22	0.3±	0.1	60±	60
12.5ppm	10	163±	13	44±	6	16±	4	141±	22	245±	29	0.3±	0.3	43±	8
25ppm	10	153±	14	39±	5	15±	3	132±	19	252±	15	0.3±	0.1	40±	9
50ppm	10	167±	12	36±	7**	13±	1	138±	36	257±	38	0.4±	0.1	43±	11
100ppm	10	155±	8	36±	5**	15±	3	140±	47	270±	21*	0.3±	0.1	43±	15

Significant difference ; \* :  $P \leq 0.05$

\*\* :  $P \leq 0.01$

Test of Dunnett

(HCL074)

BAIS5

STUDY NO. : 0804  
ANIMAL : MOUSE B6D2F1/CrIj [Crj:BDF1]  
MEASURE TIME : 1  
SEX : MALE

REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)  
ALL ANIMALS ( 14W)

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	26.1±	3.3	151±	2	4.1±	0.3	123±	2	8.7±	0.2	5.9±	0.7
6.3ppm	10	28.0±	2.6	152±	2	4.1±	0.4	125±	2	8.7±	0.3	6.1±	1.1
12.5ppm	10	26.3±	3.4	152±	2	4.2±	0.3	124±	2	8.8±	0.2	6.2±	0.7
25ppm	10	25.4±	2.3	152±	1	4.1±	0.4	124±	2	8.7±	0.2	6.9±	1.5
50ppm	10	24.6±	3.8	152±	2	4.1±	0.1	123±	3	8.8±	0.3	7.0±	1.6
100ppm	10	23.4±	2.7	151±	2	4.4±	0.2	122±	2	8.8±	0.2	7.3±	1.1*

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

Test of Dunnett

(HCL074)

BAIS 5

**TABLE G2**

**BIOCHEMISTRY : FEMALE**

STUDY NO. : 0804  
 ANIMAL : MOUSE B6D2F1/CrIj [Crj:BDF1]  
 MEASURE TIME : 1  
 SEX : FEMALE

BIOCHEMISTRY (SUMMARY)  
 ALL ANIMALS ( 14W)

REPORT TYPE : A1

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	5.2±	0.1	3.2±	0.1	1.6±	0.1	0.05±	0.01	204±	22	70±	10	15±	6
6.3ppm	10	5.2±	0.1	3.2±	0.1	1.6±	0.1	0.05±	0.01	204±	26	73±	8	19±	8
12.5ppm	10	5.2±	0.2	3.2±	0.1	1.6±	0.1	0.05±	0.01	207±	19	70±	6	14±	5
25ppm	9	5.3±	0.1	3.3±	0.1*	1.7±	0.1**	0.05±	0.01	207±	13	76±	8	19±	6
50ppm	10	5.2±	0.1	3.3±	0.1	1.7±	0.1*	0.06±	0.01	193±	29	76±	4	16±	5
100ppm	10	5.1±	0.1	3.3±	0.1	1.8±	0.1**	0.08±	0.02**	165±	31**	72±	10	14±	5

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

Test of Dunnett

STUDY NO. : 0804  
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	131±	17	74±	27	24±	5	193±	80	407±	34	0.4±	0.2	109±	90
6.3ppm	10	140±	17	55±	12	18±	3*	146±	14	364±	44	0.4±	0.2	50±	10
12.5ppm	10	134±	19	64±	19	20±	5	168±	39	403±	43	0.3±	0.1	73±	27
25ppm	9	147±	17	55±	18	19±	4	163±	49	398±	52	0.4±	0.3	83±	89
50ppm	10	140±	6	50±	13*	18±	4*	182±	71	425±	25	0.3±	0.2	57±	25
100ppm	10	125±	13	49±	13**	17±	4**	178±	60	428±	40	0.3±	0.1	71±	48

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



STUDY NO. : 0804  
 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	24.7±	2.7	152±	2	3.9±	0.3	125±	3	8.6±	0.2	5.7±	1.0
6.3ppm	10	21.0±	2.5*	152±	1	4.1±	0.3	124±	1	8.7±	0.2	5.5±	0.7
12.5ppm	10	23.5±	2.8	152±	2	3.8±	0.2	125±	2	8.7±	0.2	6.1±	0.8
25ppm	9	21.9±	2.8	152±	2	4.1±	0.4	124±	3	8.8±	0.2	6.1±	1.3
50ppm	10	21.7±	2.1	152±	3	4.3±	0.3*	124±	3	8.8±	0.2	6.1±	1.0
100ppm	10	20.8±	2.9**	152±	3	4.3±	0.3**	123±	3	8.8±	0.3	6.8±	1.2

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

Test of Dunnett

(HCL074)

BA15

**TABLE H1**

**URINALYSIS : MALE**

STUDY NO. : 0804  
 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+
Control	10	0	0	0	0	1	3	6		0	1	8	1	0	0		10	0	0	0	0	0		0	1	9	0	0	0		10	0	0	0	0
6.3ppm	10	0	0	0	1	1	4	4		0	0	6	4	0	0		10	0	0	0	0	0		0	3	3	4	0	0	*	10	0	0	0	0
12.5ppm	10	0	0	0	0	2	6	2		0	0	7	3	0	0		10	0	0	0	0	0		0	3	4	3	0	0		10	0	0	0	0
25ppm	10	0	0	0	1	1	2	6		0	1	2	7	0	0	*	10	0	0	0	0	0		0	2	2	4	2	0	*	10	0	0	0	0
50ppm	10	0	0	0	0	2	6	2		0	1	0	9	0	0	**	10	0	0	0	0	0		0	1	0	6	3	0	**	10	0	0	0	0
100ppm	10	0	0	0	0	0	5	5		0	0	1	9	0	0	**	10	0	0	0	0	0		0	0	1	8	1	0	**	10	0	0	0	0

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

Test of CHI SQUARE

(HCL101)

BAIS 5

STUDY NO. : 0804  
ANIMAL : MOUSE B6D2F1/Crlj [Crj: BDF1]  
MEASURE. TIME : 1  
SEX : MALE

URINALYSIS

PAGE : 2

Group Name	NO. of Animals	Urobilinogen					CHI
		±	+	2+	3+	4+	
Control	10	10	0	0	0	0	
6.3ppm	10	10	0	0	0	0	
12.5ppm	10	10	0	0	0	0	
25ppm	10	10	0	0	0	0	
50ppm	10	10	0	0	0	0	
100ppm	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. : 0804  
 ANIMAL : MOUSE B6D2F1/Crlj[Crlj:BDF1]  
 MEASURE TIME : 1  
 SEX : FEMALE

# URINALYSIS

REPORT TYPE : A1

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+	3+	
Control	10	0	0	0	1	5	1	3		4	3	3	0	0	0		10	0	0	0	0	0		4	3	2	1	0	0		10	0	0	0	0		
6.3ppm	10	0	0	1	1	3	3	2		4	5	1	0	0	0		10	0	0	0	0	0		5	4	1	0	0	0		10	0	0	0	0		
12.5ppm	10	0	1	1	1	3	1	3		2	8	0	0	0	0		10	0	0	0	0	0		7	2	1	0	0	0		10	0	0	0	0		
25ppm	10	0	0	2	2	3	0	3		1	2	2	5	0	0		10	0	0	0	0	0		1	3	5	1	0	0		10	0	0	0	0		
50ppm	10	0	0	1	3	2	1	3		0	4	3	2	1	0		10	0	0	0	0	0		0	1	6	2	1	0		10	0	0	0	0		
100ppm	10	0	0	0	3	0	1	6		0	0	3	7	0	0	**	10	0	0	0	0	0		0	1	6	3	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. : 0804  
ANIMAL : MOUSE B6D2F1/Crlj [Crj:BDF1]  
MEASURE. TIME : 1  
SEX : FEMALE

URINALYSIS

REPORT TYPE : A1

PAGE : 4

Group Name	NO. of Animals	Urobilinogen					CHI
		±	+	2+	3+	4+	
Control	10	10	0	0	0	0	0
6.3ppm	10	10	0	0	0	0	0
12.5ppm	10	10	0	0	0	0	0
25ppm	10	10	0	0	0	0	0
50ppm	10	10	0	0	0	0	0
100ppm	10	10	0	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. : 0804  
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		6.3ppm		12.5ppm		25ppm	
			10	(%)	10	(%)	10	(%)	10	(%)
kidney	hydronephrosis		0	( 0)	0	( 0)	1	( 10)	0	( 0)
prep/cli gl	nodule		1	( 10)	0	( 0)	0	( 0)	0	( 0)

(HPT080)

BAIS 5

STUDY NO. : 0804  
ANIMAL : MOUSE B6D2F1/Crlj[Crlj:BDF1]  
REPORT TYPE : A1  
SEX : MALE

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

PAGE : 2

Organ	Findings	Group Name NO. of Animals	50ppm		100ppm	
			10	(%)	10	(%)
kidney	hydronephrosis		0	( 0)	0	( 0)
prep/cli gl	nodule		0	( 0)	0	( 0)

(HPT080)

BAIS 5

**TABLE I 2**

**GROSS FINDINGS : FEMALE**

STUDY NO. : 0804  
ANIMAL : MOUSE B6D2F1/CrIj [Crj:BDF1]  
REPORT TYPE : A1  
SEX : FEMALE

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

PAGE : 3

Organ	Findings	Group Name NO. of Animals	Control		6.3ppm		12.5ppm		25ppm	
			10	(%)	10	(%)	10	(%)	10	(%)
kidney	hydronephrosis		0	( 0)	0	( 0)	0	( 0)	0	( 0)

(HPT080)

BAIS 5

STUDY NO. : 0804  
ANIMAL : MOUSE B6D2F1/Crlj [Crj:BDF1]  
REPORT TYPE : A1  
SEX : FEMALE

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

PAGE : 4

Organ	Findings	Group Name NO. of Animals	50ppm		100ppm	
			10	(%)	10	(%)
kidney	hydronephrosis		0	( 0)	1	( 10)

(HPT080)

BAIS 5

**TABLE J1**

**ORGAN WEIGHT, ABSOLUTE : MALE**

STUDY NO. : 0804  
ANIMAL : MOUSE B6D2F1/Crlj [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	29.7 ± 1.9	0.032 ±	0.005	0.015 ±	0.004	0.261 ±	0.033	0.157 ±	0.012	0.150 ±	0.014
6.3ppm	10	28.9 ± 2.8	0.030 ±	0.005	0.014 ±	0.004	0.265 ±	0.031	0.161 ±	0.015	0.146 ±	0.015
12.5ppm	10	28.6 ± 1.9	0.029 ±	0.002	0.015 ±	0.004	0.260 ±	0.034	0.150 ±	0.005	0.145 ±	0.006
25ppm	10	26.5 ± 1.2**	0.028 ±	0.003	0.014 ±	0.003	0.261 ±	0.013	0.144 ±	0.006*	0.139 ±	0.007
50ppm	10	27.9 ± 1.7	0.032 ±	0.005	0.016 ±	0.004	0.256 ±	0.025	0.145 ±	0.007*	0.145 ±	0.012
100ppm	10	25.4 ± 0.9**	0.027 ±	0.002*	0.015 ±	0.003	0.240 ±	0.034	0.136 ±	0.012**	0.143 ±	0.012

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

Test of Dunnett

STUDY NO. : 0804  
ANIMAL : MOUSE B6D2F1/CrIj [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	0.484±	0.026	0.055±	0.003	1.161±	0.056	0.464±	0.021
6.3ppm	10	0.476±	0.042	0.052±	0.007	1.133±	0.083	0.466±	0.016
12.5ppm	10	0.470±	0.055	0.055±	0.005	1.140±	0.065	0.469±	0.012
25ppm	10	0.433±	0.023**	0.047±	0.004**	1.043±	0.044**	0.456±	0.013
50ppm	10	0.423±	0.021**	0.044±	0.004**	1.061±	0.058**	0.433±	0.018**
100ppm	10	0.397±	0.020**	0.039±	0.003**	0.969±	0.060**	0.443±	0.016*

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

Test of Dunnett

(HCL040)

BAIS 5



**TABLE J2**

**ORGAN WEIGHT, ABSOLUTE : FEMALE**

STUDY NO. : 0804  
 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	21.9 ± 0.8	0.034 ± 0.007	0.019 ± 0.002	0.032 ± 0.004	0.136 ± 0.009	0.140 ± 0.010
6.3ppm	10	22.9 ± 1.2	0.039 ± 0.004	0.020 ± 0.002	0.035 ± 0.005	0.142 ± 0.009	0.154 ± 0.016
12.5ppm	10	22.0 ± 0.9	0.034 ± 0.009	0.018 ± 0.002	0.032 ± 0.004	0.137 ± 0.007	0.141 ± 0.013
25ppm	10	21.4 ± 0.9	0.039 ± 0.007	0.018 ± 0.003	0.032 ± 0.004	0.129 ± 0.008	0.149 ± 0.025
50ppm	10	21.2 ± 0.7	0.036 ± 0.002	0.018 ± 0.002	0.029 ± 0.003	0.123 ± 0.004**	0.138 ± 0.010
100ppm	10	20.0 ± 0.7**	0.032 ± 0.005	0.017 ± 0.002	0.028 ± 0.004	0.115 ± 0.008**	0.140 ± 0.012

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

Test of Dunnett

(HCL040)

BAIS 5

STUDY NO. : 0804  
ANIMAL : MOUSE B6D2F1/Crj [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. 319±	0. 013	0. 063±	0. 010	0. 970±	0. 069	0. 475±	0. 015
6. 3ppm	10	0. 328±	0. 019	0. 070±	0. 009	1. 041±	0. 081*	0. 482±	0. 018
12. 5ppm	10	0. 317±	0. 022	0. 063±	0. 006	0. 982±	0. 033	0. 466±	0. 024
25ppm	10	0. 321±	0. 031	0. 057±	0. 007	0. 938±	0. 067	0. 471±	0. 020
50ppm	10	0. 311±	0. 014	0. 049±	0. 004**	0. 888±	0. 043*	0. 456±	0. 014
100ppm	10	0. 309±	0. 016	0. 040±	0. 006**	0. 818±	0. 056**	0. 451±	0. 020*

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

Test of Dunnett

**TABLE K1**

**ORGAN WEIGHT, RELATIVE : MALE**

STUDY NO. : 0804  
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	29.7 ± 1.9	0.106 ± 0.010	0.051 ± 0.015	0.884 ± 0.120	0.531 ± 0.035	0.508 ± 0.047
6.3ppm	10	28.9 ± 2.8	0.102 ± 0.014	0.049 ± 0.015	0.921 ± 0.107	0.559 ± 0.058	0.510 ± 0.056
12.5ppm	10	28.6 ± 1.9	0.103 ± 0.009	0.053 ± 0.012	0.910 ± 0.121	0.527 ± 0.034	0.510 ± 0.043
25ppm	10	26.5 ± 1.2**	0.104 ± 0.011	0.052 ± 0.012	0.987 ± 0.071	0.544 ± 0.037	0.524 ± 0.025
50ppm	10	27.9 ± 1.7	0.116 ± 0.015	0.056 ± 0.013	0.923 ± 0.103	0.521 ± 0.038	0.522 ± 0.048
100ppm	10	25.4 ± 0.9**	0.106 ± 0.009	0.059 ± 0.011	0.946 ± 0.128	0.534 ± 0.043	0.562 ± 0.054

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

Test of Dunnett

(HCL042)

BAIS 5

STUDY NO. : 0804  
ANIMAL : MOUSE B6D2F1/Crlj [Crl: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	1.635 ± 0.072	0.185 ± 0.011	3.921 ± 0.162	1.569 ± 0.111
6.3ppm	10	1.656 ± 0.167	0.181 ± 0.012	3.934 ± 0.170	1.626 ± 0.154
12.5ppm	10	1.659 ± 0.305	0.193 ± 0.021	3.989 ± 0.170	1.645 ± 0.107
25ppm	10	1.636 ± 0.100	0.178 ± 0.014	3.937 ± 0.122	1.721 ± 0.100*
50ppm	10	1.525 ± 0.127	0.158 ± 0.015**	3.812 ± 0.202	1.558 ± 0.101
100ppm	10	1.563 ± 0.095	0.153 ± 0.011**	3.815 ± 0.215	1.744 ± 0.065**

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

Test of Dunnett

(HCL042)

BAIS 5

**TABLE K2**

**ORGAN WEIGHT, RELATIVE : FEMALE**

STUDY NO. : 0804  
ANIMAL : MOUSE B6D2F1/CrIj [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	21. 9± 0. 8	0. 155± 0. 027	0. 088± 0. 009	0. 146± 0. 017	0. 620± 0. 038	0. 642± 0. 052
6. 3ppm	10	22. 9± 1. 2	0. 169± 0. 016	0. 088± 0. 011	0. 155± 0. 021	0. 621± 0. 051	0. 675± 0. 062
12. 5ppm	10	22. 0± 0. 9	0. 156± 0. 034	0. 082± 0. 008	0. 144± 0. 018	0. 622± 0. 024	0. 640± 0. 043
25ppm	10	21. 4± 0. 9	0. 181± 0. 032	0. 086± 0. 014	0. 149± 0. 020	0. 605± 0. 048	0. 695± 0. 117
50ppm	10	21. 2± 0. 7	0. 168± 0. 009	0. 084± 0. 010	0. 137± 0. 016	0. 579± 0. 027	0. 649± 0. 054
100ppm	10	20. 0± 0. 7**	0. 158± 0. 024	0. 085± 0. 011	0. 141± 0. 021	0. 577± 0. 043	0. 702± 0. 066

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

Test of Dunnett

(HCL042)

BA1S 5



STUDY NO. : 0804  
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. 460 ± 0. 051	0. 286 ± 0. 041	4. 434 ± 0. 242	2. 173 ± 0. 098
6. 3ppm	10	1. 435 ± 0. 070	0. 304 ± 0. 030	4. 549 ± 0. 199	2. 113 ± 0. 126
12. 5ppm	10	1. 442 ± 0. 054	0. 287 ± 0. 026	4. 469 ± 0. 124	2. 123 ± 0. 168
25ppm	10	1. 500 ± 0. 127	0. 266 ± 0. 031	4. 383 ± 0. 271	2. 202 ± 0. 139
50ppm	10	1. 466 ± 0. 061	0. 231 ± 0. 016**	4. 182 ± 0. 151*	2. 147 ± 0. 086
100ppm	10	1. 544 ± 0. 078*	0. 201 ± 0. 030**	4. 086 ± 0. 236**	2. 257 ± 0. 134

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

Test of Dunnett

(HCL042)

BAIS 5

**TABLE L1**

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

STUDY NO. : 0804  
ANIMAL : MOUSE B6D2F1/Crj [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				Control				6. 3ppm				12. 5ppm				25ppm			
		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+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Respiratory system)																					
nasal cavit	hyperplasia:gland	<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 )	( 0 )	( 0 )
	eosinophilic change:olfactory epithelium	0	0	0	0	0	0	0	0	0	0	0	0	7	1	0	0 **	4	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 70 )	( 10 )	( 0 )	( 0 )	( 40 )	( 0 )	( 0 )	( 0 )
	eosinophilic change:respiratory epithelium	1	0	0	0	1	0	0	0	9	1	0	0 **	4	6	0	0 **	4	6	0	0 **
		( 10 )	( 0 )	( 0 )	( 0 )	( 10 )	( 0 )	( 0 )	( 0 )	( 90 )	( 10 )	( 0 )	( 0 )	( 40 )	( 60 )	( 0 )	( 0 )	( 40 )	( 60 )	( 0 )	( 0 )
	inflammation:respiratory epithelium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 20 )	( 0 )	( 0 )	( 0 )
	inflammation:olfactory epithelium	0	0	0	0	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 )	( 0 )	( 0 )	( 0 )	( 0 )	( 80 )	( 0 )	( 0 )	( 0 )
	respiratory metaplasia:olfactory epithelium	0	0	0	0	1	0	0	0	8	2	0	0 **	6	4	0	0 **	6	4	0	0 **
		( 0 )	( 0 )	( 0 )	( 0 )	( 10 )	( 0 )	( 0 )	( 0 )	( 80 )	( 20 )	( 0 )	( 0 )	( 60 )	( 40 )	( 0 )	( 0 )	( 60 )	( 40 )	( 0 )	( 0 )
	respiratory metaplasia:gland	0	0	0	0	0	0	0	0	3	0	0	0	10	0	0	0 **	10	0	0	0 **
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 30 )	( 0 )	( 0 )	( 0 )	( 100 )	( 0 )	( 0 )	( 0 )	( 100 )	( 0 )	( 0 )	( 0 )
	desquamation:olfactory epithelium	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 10 )	( 0 )	( 0 )	( 0 )	( 10 )	( 0 )	( 0 )	( 0 )

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe  
< a > a : Number of animals examined at the site  
b b : Number of animals with lesion  
( c ) c : b / a \* 100  
Significant difference ; \* : P ≤ 0. 05 \*\* : P ≤ 0. 01 Test of Chi Square

STUDY NO. : 0804  
 ANIMAL : MOUSE B6D2F1/CrIj [Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 2

Organ	Findings	Group Name		50ppm				100ppm			
		No. of Animals on Study		10				10			
		Grade		1+	2+	3+	4+	1+	2+	3+	4+
				(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Respiratory system)											
nasal cavit	hyperplasia:gland			<10>				<10>			
				0	0	0	0	1	0	0	0
				( 0)	( 0)	( 0)	( 0)	( 10)	( 0)	( 0)	( 0)
	eosinophilic change:olfactory epithelium			0	10	0	0 **	0	10	0	0 **
				( 0)	(100)	( 0)	( 0)	( 0)	(100)	( 0)	( 0)
	eosinophilic change:respiratory epithelium			2	8	0	0 **	0	10	0	0 **
				( 20)	( 80)	( 0)	( 0)	( 0)	(100)	( 0)	( 0)
	inflammation:respiratory epithelium			0	0	0	0	0	0	0	0
				( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	inflammation:olfactory epithelium			10	0	0	0 **	10	0	0	0 **
				(100)	( 0)	( 0)	( 0)	(100)	( 0)	( 0)	( 0)
	respiratory metaplasia:olfactory epithelium			8	2	0	0 **	10	0	0	0 **
				( 80)	( 20)	( 0)	( 0)	(100)	( 0)	( 0)	( 0)
	respiratory metaplasia:gland			0	10	0	0 **	0	1	9	0 **
				( 0)	(100)	( 0)	( 0)	( 0)	( 10)	( 90)	( 0)
	desquamation:olfactory epithelium			8	0	0	0 **	1	9	0	0 **
				( 80)	( 0)	( 0)	( 0)	( 10)	( 90)	( 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. : 0804  
 ANIMAL : MOUSE B6D2F1/Crj [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				6. 3ppm				12. 5ppm				25ppm			
			1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																		
nasal cavit			<10>				<10>				<10>				<10>			
	regeneration:respiratory epithelium		0	0	0	0	0	0	0	0	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:olfactory epithelium		0	0	0	0	0	0	0	0	9	0	0	0 **	9	1	0	0 **
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 90 )	( 0 )	( 0 )	( 0 )	( 90 )	( 10 )	( 0 )	( 0 )
	atrophy:olfactory epithelium		0	0	0	0	0	0	0	0	8	0	0	0 **	6	3	0	0 **
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 80 )	( 0 )	( 0 )	( 0 )	( 60 )	( 30 )	( 0 )	( 0 )
	adhesion: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 )
nasopharynx			<10>				<10>				<10>				<10>			
	eosinophilic change		0	0	0	0	0	0	0	0	1	0	0	0	9	0	0	0 **
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 10 )	( 0 )	( 0 )	( 0 )	( 90 )	( 0 )	( 0 )	( 0 )
lung			<10>				<10>				<10>				<10>			
	bronchiolar-alveolar cell hyperplasia		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 10 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
{Hematopoietic system}																		
spleen			<10>				<10>				<10>				<10>			
	deposit of melanin		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 10 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )

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. : 0804  
 ANIMAL : MOUSE B6D2F1/Crlj [Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 4

Organ_____	Findings_____	Group Name	50ppm				100ppm			
		No. of Animals on Study	10				10			
		Grade	1+	2+	3+	4+	1+	2+	3+	4+
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
<hr/>										
(Respiratory system)										
nasal cavit			<10>				<10>			
	regeneration:respiratory epithelium		0	0	0	0	1	0	0	0
			( 0)	( 0)	( 0)	( 0)	( 10)	( 0)	( 0)	( 0)
	regeneration:olfactory epithelium		10	0	0	0 **	10	0	0	0 **
			(100)	( 0)	( 0)	( 0)	(100)	( 0)	( 0)	( 0)
	atrophy:olfactory epithelium		3	7	0	0 **	9	1	0	0 **
			( 30)	( 70)	( 0)	( 0)	( 90)	( 10)	( 0)	( 0)
	adhesion:turbinate		0	0	0	0	1	0	0	0
			( 0)	( 0)	( 0)	( 0)	( 10)	( 0)	( 0)	( 0)
nasopharynx			<10>				<10>			
	eosinophilic change		10	0	0	0 **	10	0	0	0 **
			(100)	( 0)	( 0)	( 0)	(100)	( 0)	( 0)	( 0)
lung			<10>				<10>			
	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		1	0	0	0	1	0	0	0
			( 10)	( 0)	( 0)	( 0)	( 10)	( 0)	( 0)	( 0)

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

STUDY NO. : 0804  
 ANIMAL : MOUSE B6D2F1/CrJ [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				6. 3ppm				12. 5ppm				25ppm			
			1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Circulatory system)																		
heart	necrosis:focal		<10>				<10>				<10>				<10>			
			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)
(Digestive system)																		
stomach	ulcer:forestomach		<10>				<10>				<10>				<10>			
			1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 10)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	hyperplasia:forestomach		<10>				<10>				<10>				<10>			
			0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 10)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
liver	inflammatory cell nest		<10>				<10>				<10>				<10>			
			0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
			( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 10)	( 0)	( 0)	( 0)	( 10)	( 0)	( 0)	( 0)
(Urinary system)																		
kidney	hydronephrosis		<10>				<10>				<10>				<10>			
			0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
			( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 10)	( 0)	( 0)	( 0)	( 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. : 0804  
 ANIMAL : MOUSE B6D2F1/Crlj [Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 6

Organ	Findings	Group Name		50ppm				100ppm			
		No. of Animals on Study		10				10			
		Grade		1+	2+	3+	4+	1+	2+	3+	4+
				(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Circulatory system)											
heart	necrosis:focal			<10>				<10>			
				0	0	0	0	0	0	0	0
				( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
(Digestive system)											
stomach	ulcer:forestomach			<10>				<10>			
				1	0	0	0	1	0	0	0
				( 10)	( 0)	( 0)	( 0)	( 10)	( 0)	( 0)	( 0)
	hyperplasia:forestomach			<10>				<10>			
				0	0	0	0	2	0	0	0
				( 0)	( 0)	( 0)	( 0)	( 20)	( 0)	( 0)	( 0)
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	hydronephrosis			<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 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. : 0804  
 ANIMAL : MOUSE B6D2F1/Crlj [Crl: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				6. 3ppm				12. 5ppm				25ppm			
			1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Endocrine system)																		
pituitary	cyst		<10>				<10>				<10>				<10>			
			2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			( 20)	( 0)	( 0)	( 0)	( 10)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
parathyroid	cyst		<10>				<10>				<10>				<10>			
			0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 10)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
(Reproductive system)																		
epididymis	spermatogenic granuloma		<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)
prep/cli gl	inflammation		<10>				<10>				<10>				<10>			
			1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 10)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)

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

STUDY NO. : 0804  
 ANIMAL : MOUSE B6D2F1/CrIj [Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 8

Organ	Findings	Group Name		50ppm				100ppm			
		No. of Animals on Study		10				10			
		Grade		1+	2+	3+	4+	1+	2+	3+	4+
				(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Endocrine system)											
pituitary	cyst			<10>				<10>			
				0	0	0	0	0	0	0	0
				( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
parathyroid	cyst			<10>				<10>			
				0	0	0	0	0	0	0	0
				( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
(Reproductive system)											
epididymis	spermatogenic granuloma			<10>				<10>			
				0	0	0	0	0	1	0	0
				( 0)	( 0)	( 0)	( 0)	( 0)	( 10)	( 0)	( 0)
prep/cli gl	inflammation			<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 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

**TABLE L2**

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

STUDY NO. : 0804  
 ANIMAL : MOUSE B6D2F1/Crlj [Crl:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 9

Organ_____	Findings_____	Group Name No. of Animals on Study Grade	Control 10				6. 3ppm 10				12. 5ppm 10				25ppm 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>				
	eosinophilic change:olfactory epithelium		2 ( 20)	0 ( 0)	0 ( 0)	0 ( 0)	5 ( 50)	0 ( 0)	0 ( 0)	0 ( 0)	10 (100)	0 ( 0)	0 ( 0)	0 ( 0)	0 ** ( 0)	1 ( 10)	9 ( 90)	0 ( 0)	0 ** ( 0)
	eosinophilic change:respiratory epithelium		4 ( 40)	1 ( 10)	0 ( 0)	0 ( 0)	8 ( 80)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	10 (100)	0 ( 0)	0 ( 0)	0 ** ( 0)	2 ( 20)	8 ( 80)	0 ( 0)	0 ** ( 0)
	inflammation: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)	7 ( 70)	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)	6 ( 60)	0 ( 0)	0 ( 0)	0 ( 0)	0 * ( 0)	7 ( 70)	3 ( 30)	0 ( 0)	0 ** ( 0)
	respiratory metaplasia:gland		0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	3 ( 30)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	10 (100)	0 ( 0)	0 ( 0)	0 ** ( 0)
	desquamation:olfactory epithelium		0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	1 ( 10)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	4 ( 40)	0 ( 0)	0 ( 0)	0 ( 0)
	hyperplasia: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)	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)	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. : 0804  
 ANIMAL : MOUSE B6D2F1/Crlj [Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 10

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

STUDY NO. : 0804  
 ANIMAL : MOUSE B6D2F1/CrJ [Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 11

Organ	Findings	Group Name No. of Animals on Study Grade	Control				6.3ppm				12.5ppm				25ppm			
			1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Respiratory system)																		
nasal cavit	regeneration:olfactory epithelium		<10>				<10>				<10>				<10>			
			0	0	0	0	3	0	0	0	10	0	0	0 **	8	0	0	0 **
			( 0 )	( 0 )	( 0 )	( 0 )	( 30 )	( 0 )	( 0 )	( 0 )	( 100 )	( 0 )	( 0 )	( 0 )	( 80 )	( 0 )	( 0 )	( 0 )
	atrophy:olfactory epithelium		<10>				<10>				<10>				<10>			
			0	0	0	0	4	0	0	0	9	0	0	0 **	0	10	0	0 **
			( 0 )	( 0 )	( 0 )	( 0 )	( 40 )	( 0 )	( 0 )	( 0 )	( 90 )	( 0 )	( 0 )	( 0 )	( 0 )	( 100 )	( 0 )	( 0 )
nasopharynx	eosinophilic change		<10>				<10>				<10>				<10>			
			2	0	0	0	3	0	0	0	7	0	0	0	10	0	0	0 **
			( 20 )	( 0 )	( 0 )	( 0 )	( 30 )	( 0 )	( 0 )	( 0 )	( 70 )	( 0 )	( 0 )	( 0 )	( 100 )	( 0 )	( 0 )	( 0 )
(Hematopoietic system)																		
spleen	deposit of melanin		<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 )
(Digestive system)																		
stomach	hyperplasia:forestomach		<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 )

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. : 0804  
 ANIMAL : MOUSE B6D2F1/Crlj [Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 12

Organ	Findings	Group Name		50ppm				100ppm			
		No. of Animals on Study		10				10			
		Grade		1+	2+	3+	4+	1+	2+	3+	4+
				(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Respiratory system)											
nasal cavit	regeneration:olfactory epithelium			<10>				<10>			
				10	0	0	0 **	10	0	0	0 **
				(100)	( 0)	( 0)	( 0)	(100)	( 0)	( 0)	( 0)
	atrophy:olfactory epithelium			0	10	0	0 **	0	10	0	0 **
				( 0)	(100)	( 0)	( 0)	( 0)	(100)	( 0)	( 0)
nasopharynx											
	eosinophilic change			<10>				<10>			
				10	0	0	0 **	10	0	0	0 **
				(100)	( 0)	( 0)	( 0)	(100)	( 0)	( 0)	( 0)
(Hematopoietic system)											
spleen											
	deposit of melanin			<10>				<10>			
				0	0	0	0	1	0	0	0
				( 0)	( 0)	( 0)	( 0)	( 10)	( 0)	( 0)	( 0)
(Digestive system)											
stomach											
	hyperplasia:forestomach			<10>				<10>			
				0	0	0	0	2	0	0	0
				( 0)	( 0)	( 0)	( 0)	( 20)	( 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

STUDY NO. : 0804  
 ANIMAL : MOUSE B6D2F1/Crj[Crl: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				6. 3ppm				12. 5ppm				25ppm			
			1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Urinary system)																		
kidney	hydronephrosis		<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)
(Endocrine system)																		
thyroid	lymphocytic infiltration		<10>				<10>				<10>				<10>			
			0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 10)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
parathyroid	cyst		<10>				<10>				<10>				<10>			
			1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 10)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)

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)

BAIS5



STUDY NO. : 0804  
ANIMAL : MOUSE B6D2F1/Crlj [Crj:BDF1]  
REPORT TYPE : A1  
SEX : FEMALE

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

PAGE : 14

Organ_____	Findings_____	Group Name	50ppm				100ppm			
		No. of Animals on Study	10				10			
		Grade	1+	2+	3+	4+	1+	2+	3+	4+
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
<hr/>										
(Urinary system)										
kidney			<10>				<10>			
	hydronephrosis		0	0	0	0	0	1	0	0
			( 0)	( 0)	( 0)	( 0)	( 0)	( 10)	( 0)	( 0)
<hr/>										
(Endocrine system)										
thyroid			<10>				<10>			
	lymphocytic infiltration		0	0	0	0	0	0	0	0
			( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
parathyroid			<10>				<10>			
	cyst		0	0	0	0	0	0	0	0
			( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)

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

(HPT150)

BAIS5