

3-アミノフェノールのマウスを用いた
経口投与による2週間毒性試験（混水試験）報告書

試験番号：0690

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TABLE A 1

SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1 2
 SEX : MALE

SURVIVAL ANIMAL NUMBERS

PAGE : 1

Group Name	Animals At start	Administration (Days)													
		1-1	1-2	1-3	1-4	1-5	1-6	1-7	2-1	2-2	2-3	2-4	2-5	2-6	2-7
Control	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
625 ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
1250 ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
2500 ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
5000 ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
7500 ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
Number of survival/ Number of effective animals		Survival rate(%)													

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TABLE A 2

SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0690

SURVIVAL ANIMAL NUMBERS

ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]

REPORT TYPE : A1 2

SEX : FEMALE

PAGE : 2

Group Name	Animals At start	Administration (Days)													
		1-1	1-2	1-3	1-4	1-5	1-6	1-7	2-1	2-2	2-3	2-4	2-5	2-6	2-7
Control	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
625 ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
1250 ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
2500 ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
5000 ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
7500 ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
Number of survival/ Number of effective animals		Survival rate(%)													

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TABLE B 1

CLINICAL OBSERVATION : MALE

STUDY NO. : 0690
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1 2

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE : 1

Clinical sign	Group Name	Administration Week-day			
		1-3	1-7	2-3	2-7
BROWN URINE	Control	0	0	0	0
	625 ppm	0	0	0	0
	1250 ppm	0	0	0	0
	2500 ppm	5	5	5	5
	5000 ppm	5	5	5	5
	7500 ppm	5	5	5	5
OLIGO-STOOL	Control	0	0	0	0
	625 ppm	0	0	0	0
	1250 ppm	0	0	0	0
	2500 ppm	0	0	0	0
	5000 ppm	5	0	0	0
	7500 ppm	5	0	0	0
NON REMARKABLE	Control	5	5	5	5
	625 ppm	5	5	5	5
	1250 ppm	5	5	5	5
	2500 ppm	0	0	0	0
	5000 ppm	0	0	0	0
	7500 ppm	0	0	0	0

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TABLE B 2

CLINICAL OBSERVATION : FEMALE

STUDY NO. : 0690
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1 2

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 2

Clinical sign	Group Name	Administration Week-day			
		1-3	1-7	2-3	2-7
BROWN URINE	Control	0	0	0	0
	625 ppm	0	0	0	0
	1250 ppm	0	0	0	0
	2500 ppm	5	5	5	5
	5000 ppm	5	5	5	5
	7500 ppm	5	5	5	5
OLIGO-STOOL	Control	0	0	0	0
	625 ppm	0	0	0	0
	1250 ppm	1	0	0	0
	2500 ppm	3	0	0	0
	5000 ppm	5	1	0	0
	7500 ppm	5	5	0	0
NON REMARKABLE	Control	5	5	5	5
	625 ppm	5	5	5	5
	1250 ppm	4	5	5	5
	2500 ppm	0	0	0	0
	5000 ppm	0	0	0	0
	7500 ppm	0	0	0	0

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TABLE C 1

BODY WEIGHT CHANGES
AND SURVIVAL ANIMAL NUMBERS
: MALE

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 2
 SEX : MALE

MEAN BODY WEIGHTS AND SURVIVAL

PAGE : 1

Week-Day on Study	Control		625 ppm			1250 ppm			2500 ppm			5000 ppm			7500 ppm		
	Av. Wt.	No. of Surviv. < 5>	Av. Wt.	% of cont. < 5>	No. of Surviv.	Av. Wt.	% of cont. < 5>	No. of Surviv.	Av. Wt.	% of cont. < 5>	No. of Surviv.	Av. Wt.	% of cont. < 5>	No. of Surviv.	Av. Wt.	% of cont. < 5>	No. of Surviv.
0-0	23.3 (5)	5/ 5	23.4 (5)	100	5/ 5	23.4 (5)	100	5/ 5	23.4 (5)	100	5/ 5	23.3 (5)	100	5/ 5	23.3 (5)	100	5/ 5
1-3	24.1 (5)	5/ 5	23.8 (5)	99	5/ 5	24.2 (5)	100	5/ 5	22.8 (5)	95	5/ 5	20.1 (5)	83	5/ 5	19.9 (5)	83	5/ 5
1-7	24.8 (5)	5/ 5	24.6 (5)	99	5/ 5	24.6 (5)	99	5/ 5	23.5 (5)	95	5/ 5	21.9 (5)	88	5/ 5	21.7 (5)	88	5/ 5
2-3	24.9 (5)	5/ 5	24.8 (5)	100	5/ 5	25.0 (5)	100	5/ 5	24.5 (5)	98	5/ 5	22.8 (5)	92	5/ 5	22.4 (5)	90	5/ 5
2-7	25.7 (5)	5/ 5	25.8 (5)	100	5/ 5	26.1 (5)	102	5/ 5	25.4 (5)	99	5/ 5	23.7 (5)	92	5/ 5	23.1 (5)	90	5/ 5

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

(BI0040)

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TABLE C 2

BODY WEIGHT CHANGES
AND SURVIVAL ANIMAL NUMBERS
: FEMALE

STUDY NO. : 0690
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 2
SEX : FEMALE

MEAN BODY WEIGHTS AND SURVIVAL

PAGE : 2

Week-Day on Study	Control			625 ppm			1250 ppm			2500 ppm			5000 ppm			7500 ppm		
	Av. Wt.	No. of Surviv. < 5>		Av. Wt.	% of cont. < 5>	No. of Surviv.	Av. Wt.	% of cont. < 5>	No. of Surviv.	Av. Wt.	% of cont. < 5>	No. of Surviv.	Av. Wt.	% of cont. < 5>	No. of Surviv.	Av. Wt.	% of cont. < 5>	No. of Surviv.
0-0	18.6 (5)	5/ 5		18.6 (5)	100	5/ 5	18.6 (5)	100	5/ 5	18.6 (5)	100	5/ 5	18.6 (5)	100	5/ 5	18.6 (5)	100	5/ 5
1-3	18.8 (5)	5/ 5		19.3 (5)	103	5/ 5	18.1 (5)	96	5/ 5	17.7 (5)	94	5/ 5	16.6 (5)	88	5/ 5	15.4 (5)	82	5/ 5
1-7	19.6 (5)	5/ 5		19.8 (5)	101	5/ 5	18.7 (5)	95	5/ 5	18.8 (5)	96	5/ 5	18.7 (5)	95	5/ 5	16.2 (5)	83	5/ 5
2-3	19.3 (5)	5/ 5		19.5 (5)	101	5/ 5	19.1 (5)	99	5/ 5	18.5 (5)	96	5/ 5	18.9 (5)	98	5/ 5	17.3 (5)	90	5/ 5
2-7	20.7 (5)	5/ 5		21.0 (5)	101	5/ 5	19.5 (5)	94	5/ 5	19.6 (5)	95	5/ 5	19.5 (5)	94	5/ 5	18.7 (5)	90	5/ 5

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

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TABLE C 3

BODY WEIGHT CHANGES : MALE

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[BDF1]
 UNIT : g
 REPORT TYPE : A1 2
 SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 1

Group Name	Administration week-day				
	0-0	1-3	1-7	2-3	2-7
Control	23.3± 0.8	24.1± 1.0	24.8± 1.0	24.9± 1.1	25.7± 0.8
625 ppm	23.4± 0.6	23.8± 0.2	24.6± 0.4	24.8± 0.3	25.8± 0.1
1250 ppm	23.4± 0.7	24.2± 0.8	24.6± 0.9	25.0± 0.4	26.1± 1.0
2500 ppm	23.4± 0.6	22.8± 0.6	23.5± 1.9	24.5± 0.3	25.4± 0.3
5000 ppm	23.3± 0.8	20.1± 1.3**	21.9± 1.2**	22.8± 1.1**	23.7± 0.8**
7500 ppm	23.3± 0.8	19.9± 1.4**	21.7± 1.4**	22.4± 1.0**	23.1± 1.2**

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

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TABLE C 4

BODY WEIGHT CHANGES : FEMALE

STUDY NO. : 0690
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 2
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

PAGE : 2

Group Name	Administration week-day				
	0-0	1-3	1-7	2-3	2-7
Control	18.6± 0.6	18.8± 0.4	19.6± 0.6	19.3± 0.6	20.7± 0.6
625 ppm	18.6± 0.6	19.3± 0.8	19.8± 0.5	19.5± 0.8	21.0± 1.3
1250 ppm	18.6± 0.7	18.1± 0.7	18.7± 0.6	19.1± 1.1	19.5± 1.9
2500 ppm	18.6± 0.6	17.7± 0.5*	18.8± 0.8	18.5± 0.7	19.6± 0.6
5000 ppm	18.6± 0.8	16.6± 1.0**	18.7± 1.4	18.9± 0.9	19.5± 0.9
7500 ppm	18.6± 0.6	15.4± 0.3**	16.2± 0.7**	17.3± 0.6**	18.7± 0.4**

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

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TABLE D 1

FOOD CONSUMPTION CHANGES
AND SURVIVAL ANIMAL NUMBERS
: MALE

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 2
 SEX : MALE

MEAN FOOD CONSUMPTION(FC) AND SURVIVAL

PAGE : 1

Week-Day on Study	Control			625 ppm			1250 ppm			2500 ppm			5000 ppm			7500 ppm		
	Av. FC.	No. of Surviv.		Av. FC.	% of cont.	No. of Surviv.	Av. FC.	% of cont.	No. of Surviv.	Av. FC.	% of cont.	No. of Surviv.	Av. FC.	% of cont.	No. of Surviv.	Av. FC.	% of cont.	No. of Surviv.
		< 5>			< 5>			< 5>			< 5>			< 5>			< 5>	
1-3	4.2 (5)	5/ 5		4.0 (5)	95	5/ 5	4.0 (5)	95	5/ 5	3.3 (5)	79	5/ 5	2.2 (5)	52	5/ 5	2.3 (5)	55	5/ 5
1-7	4.2 (5)	5/ 5		4.3 (5)	102	5/ 5	4.1 (5)	98	5/ 5	4.3 (5)	102	5/ 5	4.3 (5)	102	5/ 5	4.1 (5)	98	5/ 5
2-3	3.5 (5)	5/ 5		3.6 (5)	103	5/ 5	3.9 (5)	111	5/ 5	3.9 (5)	111	5/ 5	4.2 (5)	120	5/ 5	3.8 (5)	109	5/ 5
2-7	3.7 (5)	5/ 5		3.9 (5)	105	5/ 5	4.0 (5)	108	5/ 5	4.0 (5)	108	5/ 5	4.0 (5)	108	5/ 5	3.9 (5)	105	5/ 5
< >:No. of effective animals, ():No. of measured animals Av. FC. : g																		

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TABLE D 2

FOOD CONSUMPTION CHANGES
AND SURVIVAL ANIMAL NUMBERS
: FEMALE

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 2
 SEX : FEMALE

MEAN FOOD CONSUMPTION(FC) AND SURVIVAL

PAGE : 2

Week-Day on Study	Control		625 ppm			1250 ppm			2500 ppm			5000 ppm			7500 ppm		
	Av. FC.	No. of Surviv. < 5>	Av. FC.	% of cont. < 5>	No. of Surviv.	Av. FC.	% of cont. < 5>	No. of Surviv.	Av. FC.	% of cont. < 5>	No. of Surviv.	Av. FC.	% of cont. < 5>	No. of Surviv.	Av. FC.	% of cont. < 5>	No. of Surviv.
1-3	3.2 (5)	5/ 5	3.3 (5)	103	5/ 5	2.9 (5)	91	5/ 5	2.5 (5)	78	5/ 5	2.2 (5)	69	5/ 5	2.1 (5)	66	5/ 5
1-7	3.7 (5)	5/ 5	3.5 (5)	95	5/ 5	3.5 (5)	95	5/ 5	3.6 (5)	97	5/ 5	3.5 (5)	95	5/ 5	2.6 (5)	70	5/ 5
2-3	2.9 (5)	5/ 5	3.3 (5)	114	5/ 5	3.2 (5)	110	5/ 5	3.0 (5)	103	5/ 5	3.2 (5)	110	5/ 5	3.0 (5)	103	5/ 5
2-7	3.6 (5)	5/ 5	3.5 (5)	97	5/ 5	3.4 (5)	94	5/ 5	3.5 (5)	97	5/ 5	3.3 (5)	92	5/ 5	3.3 (5)	92	5/ 5
< >:No. of effective animals, ():No. of measured animals																	
Av. FC. : g																	

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TABLE D 3

FOOD CONSUMPTION CHANGES : MALE

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Crlj[Crlj:BDF1]
 UNIT : g
 REPORT TYPE : A1 2
 SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 1

Group Name	Administration week-day(effective)			
	1-3(3)	1-7(4)	2-3(3)	2-7(4)
Control	4.2± 0.3	4.2± 0.3	3.5± 0.3	3.7± 0.2
625 ppm	4.0± 0.5	4.3± 0.3	3.6± 0.1	3.9± 0.2
1250 ppm	4.0± 0.1	4.1± 0.4	3.9± 0.4	4.0± 0.2
2500 ppm	3.3± 0.2**	4.3± 0.5	3.9± 0.5	4.0± 0.1
5000 ppm	2.2± 0.3**	4.3± 0.3	4.2± 0.5	4.0± 0.3
7500 ppm	2.3± 0.4**	4.1± 0.3	3.8± 0.3	3.9± 0.1

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

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TABLE D 4

FOOD CONSUMPTION CHANGES : FEMALE

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 2
 SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 2

Group Name	Administration week-day(effective)			
	1-3(3)	1-7(4)	2-3(3)	2-7(4)
Control	3.2± 0.3	3.7± 0.2	2.9± 0.5	3.6± 0.2
625 ppm	3.3± 0.3	3.5± 0.1	3.3± 0.2	3.5± 0.4
1250 ppm	2.9± 0.3	3.5± 0.3	3.2± 0.4	3.4± 0.5
2500 ppm	2.5± 0.3**	3.6± 0.4	3.0± 0.3	3.5± 0.3
5000 ppm	2.2± 0.3**	3.5± 0.5	3.2± 0.3	3.3± 0.2
7500 ppm	2.1± 0.2**	2.6± 0.3**	3.0± 0.2	3.3± 0.2

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

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TABLE E 1

WATER CONSUMPTION CHANGES
AND SURVIVAL ANIMAL NUMBERS
: MALE

STUDY NO. : 0690
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 2
SEX : MALE

MEAN WATER CONSUMPTION(WC) AND SURVIVAL

PAGE : 1

	Control		625 ppm			1250 ppm			2500 ppm			5000 ppm			7500 ppm		
Week-Day on Study	Av. WC.	No. of Surviv. < 5>	Av. WC.	% of cont. < 5>	No. of Surviv.	Av. WC.	% of cont. < 5>	No. of Surviv.	Av. WC.	% of cont. < 5>	No. of Surviv.	Av. WC.	% of cont. < 5>	No. of Surviv.	Av. WC.	% of cont. < 5>	No. of Surviv.
1-3	4.6 (5)	5/ 5	4.5 (5)	98	5/ 5	3.9 (5)	85	5/ 5	2.5 (5)	54	5/ 5	1.3 (5)	28	5/ 5	1.0 (5)	22	5/ 5
1-7	4.4 (5)	5/ 5	4.1 (5)	93	5/ 5	3.3 (5)	75	5/ 5	3.2 (5)	73	5/ 5	2.2 (5)	50	5/ 5	2.1 (5)	48	5/ 5
2-3	4.0 (5)	5/ 5	3.8 (5)	95	5/ 5	3.4 (5)	85	5/ 5	2.6 (5)	65	5/ 5	2.1 (5)	53	5/ 5	1.9 (5)	48	5/ 5
2-7	4.0 (5)	5/ 5	3.7 (5)	93	5/ 5	3.4 (5)	85	5/ 5	2.6 (5)	65	5/ 5	2.0 (5)	50	5/ 5	1.7 (5)	43	5/ 5

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

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TABLE E 2

WATER CONSUMPTION CHANGES
AND SURVIVAL ANIMAL NUMBERS
: FEMALE

STUDY NO. : 0690
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 2
SEX : FEMALE

MEAN WATER CONSUMPTION(WC) AND SURVIVAL

PAGE : 2

Week-Day on Study	Control		625 ppm			1250 ppm			2500 ppm			5000 ppm			7500 ppm		
	Av. WC.	No. of Surviv. < 5>	Av. WC.	% of cont. < 5>	No. of Surviv.	Av. WC.	% of cont. < 5>	No. of Surviv.	Av. WC.	% of cont. < 5>	No. of Surviv.	Av. WC.	% of cont. < 5>	No. of Surviv.	Av. WC.	% of cont. < 5>	No. of Surviv.
1-3	4.3 (5)	5/ 5	4.3 (5)	100	5/ 5	3.6 (5)	84	5/ 5	2.2 (5)	51	5/ 5	1.9 (5)	44	5/ 5	1.1 (5)	26	5/ 5
1-7	4.4 (5)	5/ 5	3.9 (5)	89	5/ 5	3.5 (5)	80	5/ 5	2.7 (5)	61	5/ 5	2.3 (5)	52	5/ 5	1.5 (5)	34	5/ 5
2-3	3.9 (5)	5/ 5	3.9 (5)	100	5/ 5	3.7 (5)	95	5/ 5	2.7 (5)	69	5/ 5	2.2 (5)	56	5/ 5	2.1 (5)	54	5/ 5
2-7	4.2 (5)	5/ 5	3.8 (5)	90	5/ 5	3.2 (5)	76	5/ 5	2.6 (5)	62	5/ 5	1.9 (5)	45	5/ 5	1.7 (5)	40	5/ 5
< >:No. of effective animals, ():No. of measured animals Av. WC. : g																	

(BIO040)

BAIS 4

TABLE E 3

WATER CONSUMPTION CHANGES : MALE

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 2
 SEX : MALE

WATER CONSUMPTION CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 1

Group Name	Administration week-day(effective)			
	1-3(3)	1-7(4)	2-3(3)	2-7(4)
Control	4.6± 0.3	4.4± 0.3	4.0± 0.4	4.0± 0.3
625 ppm	4.5± 0.3	4.1± 0.3	3.8± 0.3	3.7± 0.3
1250 ppm	3.9± 0.3**	3.3± 0.7**	3.4± 0.3	3.4± 0.5*
2500 ppm	2.5± 0.2**	3.2± 0.5**	2.6± 0.6**	2.6± 0.1**
5000 ppm	1.3± 0.2**	2.2± 0.3**	2.1± 0.2**	2.0± 0.1**
7500 ppm	1.0± 0.3**	2.1± 0.2**	1.9± 0.1**	1.7± 0.1**

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

Test of Dunnett

TABLE E 4

WATER CONSUMPTION CHANGES : FEMALE

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 2
 SEX : FEMALE

WATER CONSUMPTION CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 2

Group Name	Administration week-day(effective)			
	1-3(3)	1-7(4)	2-3(3)	2-7(4)
Control	4.3± 0.7	4.4± 0.8	3.9± 0.8	4.2± 0.7
625 ppm	4.3± 0.4	3.9± 0.2	3.9± 0.2	3.8± 0.3
1250 ppm	3.6± 0.4	3.5± 0.2**	3.7± 0.3	3.2± 0.9
2500 ppm	2.2± 0.3**	2.7± 0.4**	2.7± 0.4**	2.6± 0.4**
5000 ppm	1.9± 0.3**	2.3± 0.5**	2.2± 0.3**	1.9± 0.3**
7500 ppm	1.1± 0.5**	1.5± 0.2**	2.1± 0.2**	1.7± 0.2**

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

Test of Dunnett

(HAN260)

BAIS 4

TABLE F 1

CHEMICAL INTAKE CHANGES : MALE

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : mg/kg/day
 REPORT TYPE : A1 2
 SEX : MALE

CHEMICAL INTAKE CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 1

Group Name	Administration (Week-Day)							
	1-3		1-7		2-3		2-7	
Control	0±	0	0±	0	0±	0	0±	0
625 ppm	119±	6	104±	6	95±	8	89±	7
1250 ppm	203±	13	169±	34	172±	17	162±	28
2500 ppm	275±	30	339±	69	265±	60	254±	13
5000 ppm	332±	45	492±	49	456±	29	418±	36
7500 ppm	387±	89	712±	62	643±	51	560±	39

(HAN300)

BAIS 4

TABLE F 2

CHEMICAL INTAKE CHANGES : FEMALE

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : mg/kg/day
 REPORT TYPE : A1 2
 SEX : FEMALE

CHEMICAL INTAKE CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 2

Group Name	Administration (Week-Day)							
	1-3		1-7		2-3		2-7	
Control	0±	0	0±	0	0±	0	0±	0
625 ppm	141±	16	122±	6	126±	11	112±	5
1250 ppm	253±	38	232±	11	240±	21	204±	48
2500 ppm	313±	31	361±	41	358±	36	336±	41
5000 ppm	571±	130	601±	103	585±	92	494±	89
7500 ppm	550±	223	713±	72	895±	82	689±	64

(HAN300)

BAIS 4

TABLE G 1

HEMATOLOGY : MALE

STUDY NO. : 0690
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE

HEMATOLOGY (SUMMARY)
ALL ANIMALS (2W)

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 ³ /μl	
Control	5	10.02±	0.32	15.7±	0.6	47.3±	2.5	47.2±	1.7	15.7±	0.2	33.3±	0.9	1107±	89
625 ppm	5	10.19±	0.17	15.9±	0.3	47.6±	1.2	46.7±	0.8	15.6±	0.2	33.4±	0.5	1176±	71
1250 ppm	4	10.17±	0.18	15.9±	0.1	48.4±	1.7	47.6±	1.2	15.6±	0.2	32.9±	0.9	1212±	169
2500 ppm	5	10.13±	0.17	15.8±	0.2	47.0±	0.4	46.4±	0.6	15.6±	0.1	33.7±	0.4	1212±	119
5000 ppm	5	9.40±	0.40**	14.8±	0.7*	44.5±	1.2*	47.3±	1.6	15.7±	0.2	33.2±	1.4	1177±	43
7500 ppm	5	8.99±	0.29**	14.3±	0.5**	43.3±	1.4**	48.2±	0.9	15.9±	0.1	33.0±	0.4	1169±	83

Significant difference ; * : P ≤ 0.05

** : P ≤ 0.01

Test of Dunnett

(HCL070)

BAIS 4

STUDY NO. : 0690
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE

HEMATOLOGY (SUMMARY)
ALL ANIMALS (2W)

REPORT TYPE : A1

PAGE : 2

Group Name	NO. of Animals	RETICULOCYTE %	
Control	5	2.3±	0.4
625 ppm	5	2.1±	0.1
1250 ppm	4	2.9±	0.5
2500 ppm	5	3.2±	0.5**
5000 ppm	5	5.6±	1.4**
7500 ppm	5	10.4±	2.5**

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

Test of Dunnett

(HCL070)

BAIS 4

STUDY NO. : 0690
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE

HEMATOLOGY (SUMMARY)
ALL ANIMALS (2W)

REPORT TYPE : A1

PAGE : 3

Group Name	NO. of Animals	WBC 10 ³ /μl	Differential WBC (%)
Control	5	2.38± 0.47	
625 ppm	5	2.18± 0.62	
1250 ppm	4	2.47± 1.02	
2500 ppm	5	2.79± 0.77	
5000 ppm	5	3.62± 1.53	
7500 ppm	5	3.66± 0.77	

Significant difference ; * : $P \leq 0.05$

** : $P \leq 0.01$

Test of Dunnett

(HCL070)

BAIS 4

TABLE G 2

HEMATOLOGY : FEMALE

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 MEASURE. TIME : 1
 SEX : FEMALE

HEMATOLOGY (SUMMARY)
 ALL ANIMALS (2W)

REPORT TYPE : A1

PAGE : 4

Group Name	NO. of Animals	RED BLOOD CELL 1 O ⁶ /μℓ		HEMOGLOBIN g/dℓ		HEMATOCRIT %		MCV f ℓ		MCH p g		MCHC g/dℓ		PLATELET 1 O ³ /μℓ	
Control	5	10.10±	0.33	15.8±	0.5	46.6±	1.9	46.1±	0.7	15.6±	0.1	33.8±	0.4	984±	66
625 ppm	5	9.98±	0.38	15.6±	0.5	46.2±	1.6	46.3±	0.3	15.6±	0.2	33.8±	0.2	986±	32
1250 ppm	5	9.80±	0.67	15.6±	1.0	46.0±	2.8	47.0±	1.0	15.9±	0.3	33.9±	0.4	1042±	48
2500 ppm	5	9.25±	0.32*	14.8±	0.5	44.2±	1.1	47.8±	0.9	16.0±	0.2*	33.5±	0.3	1023±	55
5000 ppm	5	8.71±	0.52**	14.0±	0.8**	43.0±	1.6*	49.5±	1.7**	16.1±	0.1**	32.6±	1.1*	913±	78
7500 ppm	4	8.18±	0.39**	13.1±	0.6**	41.1±	1.4**	50.3±	1.2**	16.0±	0.2*	31.9±	0.7**	1048±	138

Significant difference : * : P ≤ 0.05 ** : P ≤ 0.01

Test of Dunnett

(HCL070)

BAIS 4

STUDY NO. : 0690
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
MEASURE TIME : 1
SEX : FEMALE

HEMATOLOGY (SUMMARY)
ALL ANIMALS (2W)

REPORT TYPE : A1

PAGE : 5

Group Name	NO. of Animals	RETICULOCYTE %	
Control	5	2.5±	0.3
625 ppm	5	2.4±	0.4
1250 ppm	5	3.7±	1.2
2500 ppm	5	6.8±	1.9**
5000 ppm	5	10.3±	3.5**
7500 ppm	4	17.2±	2.7**

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

Test of Dunnett

(HCL070)

BAIS 4

STUDY NO. : 0690
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE

HEMATOLOGY (SUMMARY)
ALL ANIMALS (2W)

REPORT TYPE : A1

PAGE : 6

Group Name	NO. of Animals	WBC 10 ³ /μl	Differential WBC (%)
Control	5	2.90 ± 0.90	
625 ppm	5	2.92 ± 0.79	
1250 ppm	5	3.36 ± 1.77	
2500 ppm	5	4.75 ± 1.94	
5000 ppm	5	3.11 ± 0.47	
7500 ppm	4	3.49 ± 0.26	

Significant difference ; * : $P \leq 0.05$

** : $P \leq 0.01$

Test of Dunnett

(HCL070)

BAIS 4

TABLE H 1

BIOCHEMISTRY : MALE

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 MEASURE. TIME : 1
 SEX : MALE

BIOCHEMISTRY (SUMMARY)
 ALL ANIMALS (2W)

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		PHOSPHOLIPID mg/dl	
Control	5	4.9±	0.3	2.6±	0.1	1.1±	0.1	0.12±	0.01	278±	27	96±	7	203±	9
625 ppm	5	4.8±	0.2	2.6±	0.1	1.2±	0.0	0.13±	0.01	301±	19	94±	7	197±	13
1250 ppm	5	4.8±	0.2	2.6±	0.1	1.2±	0.0	0.14±	0.01**	288±	16	95±	5	200±	5
2500 ppm	5	4.6±	0.1	2.5±	0.1	1.2±	0.1*	0.16±	0.01**	301±	19	94±	9	191±	16
5000 ppm	5	4.6±	0.1	2.5±	0.0	1.2±	0.0**	0.25±	0.04**	283±	13	103±	10	204±	9
7500 ppm	5	4.7±	0.2	2.6±	0.1	1.2±	0.0**	0.26±	0.03**	288±	12	97±	4	194±	12

Significant difference ; * : $P \leq 0.05$

** : $P \leq 0.01$

Test of Dunnett

(HCL074)

BAIS 4

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 MEASURE. TIME : 1
 SEX : MALE
 REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
 ALL ANIMALS (2W)

PAGE : 2

Group Name	NO. of Animals	AST IU/ℓ		ALT IU/ℓ		LDH IU/ℓ		G-GTP IU/ℓ		CK IU/ℓ		UREA NITROGEN mg/dℓ		SODIUM mEq/ℓ	
Control	5	36±	2	20±	3	261±	37	0±	0	69±	18	23.8±	4.1	150±	0
625 ppm	5	37±	5	23±	3	250±	80	1±	1	59±	20	20.2±	1.9	150±	1
1250 ppm	5	35±	1	21±	2	263±	42	0±	1	66±	18	22.4±	7.7	149±	2
2500 ppm	5	34±	3	20±	1	172±	17	0±	0	53±	10	19.8±	5.4	149±	1
5000 ppm	5	36±	2	20±	2	228±	65	1±	1	70±	27	24.9±	4.2	149±	1
7500 ppm	5	39±	5	20±	1	234±	60	0±	1	56±	23	26.0±	4.8	150±	1

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

Test of Dunnett

(HCL074)

BAIS 4

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 MEASURE. TIME : 1
 SEX : MALE

BIOCHEMISTRY (SUMMARY)
 ALL ANIMALS (2W)

REPORT TYPE : A1

PAGE : 3

Group Name	NO. of Animals	POTASSIUM mEq/ℓ		CHLORIDE mEq/ℓ		CALCIUM mg/dℓ		INORGANIC PHOSPHORUS mg/dℓ	
Control	5	4.4±	0.3	117±	1	9.3±	0.3	6.5±	1.4
625 ppm	5	4.4±	0.2	118±	2	9.2±	0.3	6.5±	1.3
1250 ppm	5	4.3±	0.3	117±	1	9.0±	0.2	7.1±	1.1
2500 ppm	5	4.2±	0.3	116±	2	8.9±	0.4	6.3±	0.9
5000 ppm	5	4.1±	0.3	116±	2	9.0±	0.2	5.8±	1.5
7500 ppm	5	4.0±	0.2	117±	1	9.0±	0.2	6.1±	0.9

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

Test of Dunnett

(HCL074)

BAIS 4

TABLE H 2

BIOCHEMISTRY : FEMALE

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 MEASURE. TIME : 1
 SEX : FEMALE

BIOCHEMISTRY (SUMMARY)
 ALL ANIMALS (2w)

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		PHOSPHOLIPID mg/dl	
Control	5	4.8±	0.1	2.8±	0.1	1.4±	0.1	0.13±	0.01	253±	14	83±	15	162±	13
625 ppm	5	4.7±	0.2	2.8±	0.2	1.4±	0.1	0.13±	0.02	254±	11	86±	19	169±	26
1250 ppm	5	4.7±	0.2	2.8±	0.1	1.4±	0.0	0.17±	0.02**	258±	9	80±	4	161±	2
2500 ppm	5	4.6±	0.3	2.7±	0.2	1.5±	0.1	0.22±	0.04**	259±	19	86±	13	167±	21
5000 ppm	5	4.6±	0.0	2.7±	0.0	1.4±	0.0	0.21±	0.01**	253±	15	85±	12	162±	14
7500 ppm	5	4.5±	0.1	2.6±	0.1	1.4±	0.0	0.29±	0.05**	253±	16	89±	6	174±	10

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

Test of Dunnett

(HCL074)

BAIS 4

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 MEASURE. TIME : 1
 SEX : FEMALE

BIOCHEMISTRY (SUMMARY)
 ALL ANIMALS (2W)

REPORT TYPE : A1

PAGE : 5

Group Name	NO. of Animals	AST IU/ℓ		ALT IU/ℓ		LDH IU/ℓ		G-GTP IU/ℓ		CK IU/ℓ		UREA NITROGEN mg/dℓ		SODIUM mEq/ℓ	
Control	5	39±	2	19±	3	209±	21	0±	1	70±	18	22.0±	3.6	149±	1
625 ppm	5	42±	9	21±	4	226±	71	1±	0	70±	14	20.6±	2.6	149±	1
1250 ppm	5	43±	8	19±	3	257±	91	0±	0	92±	33	24.4±	10.5	148±	1
2500 ppm	5	39±	3	20±	1	216±	43	1±	1	63±	7	21.9±	3.4	149±	1
5000 ppm	5	42±	2	19±	1	218±	32	0±	0	69±	8	26.1±	5.6	148±	1
7500 ppm	5	47±	6	20±	2	329±	88	0±	1	80±	13	28.5±	5.7	149±	1

Significant difference ; * : $P \leq 0.05$

** : $P \leq 0.01$

Test of Dunnett

(HCL074)

BAIS 4

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 MEASURE TIME : 1
 SEX : FEMALE

BIOCHEMISTRY (SUMMARY)
 ALL ANIMALS (2W)

REPORT TYPE : A1

PAGE : 6

Group Name	NO. of Animals	POTASSIUM mEq/ℓ		CHLORIDE mEq/ℓ		CALCIUM mg/dℓ		INORGANIC PHOSPHORUS mg/dℓ	
Control	5	4.3±	0.4	119±	2	8.8±	0.2	6.2±	1.4
625 ppm	5	4.2±	0.2	119±	2	8.9±	0.3	6.1±	1.1
1250 ppm	5	4.2±	0.5	117±	3	8.7±	0.2	6.9±	1.0
2500 ppm	5	4.2±	0.3	119±	2	8.8±	0.3	5.7±	0.9
5000 ppm	5	4.2±	0.5	117±	1	8.8±	0.1	6.6±	1.9
7500 ppm	5	4.1±	0.4	118±	2	9.2±	0.3	5.2±	1.4

Significant difference ; * : $P \leq 0.05$

** : $P \leq 0.01$

Test of Dunnett

(HCL074)

BAIS 4

TABLE I

GROSS FINDINGS : MALE :
ALL ANIMALS

STUDY NO. : 0690
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE

GROSS FINDINGS (SUMMARY)
ALL ANIMALS (0- 2W)

PAGE : 1

Organ	Findings	Group Name NO. of Animals	Control	625 ppm	1250 ppm	2500 ppm
			5 (%)	5 (%)	5 (%)	5 (%)
spleen	black zone		2 (40)	0 (0)	0 (0)	0 (0)
kidney	hydronephrosis		1 (20)	0 (0)	0 (0)	0 (0)

(HPT080)

BAIS 4

STUDY NO. : 0690
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE

GROSS FINDINGS (SUMMARY)
ALL ANIMALS (0- 2W)

PAGE : 2

Organ	Findings	Group Name	5000 ppm	7500 ppm
		NO. of Animals	5 (%)	5 (%)
spleen	black zone		0 (0)	0 (0)
kidney	hydronephrosis		0 (0)	0 (0)

(HPT080)

BAIS 4

TABLE J 1

ORGAN WEIGHT, ABSOLUTE : MALE

STUDY NO. : 0690
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (2W)

PAGE : 1

Group Name	NO. of Animals	Body Weight	THYMUS	ADRENALS	TESTES	HEART	LUNGS
Control	5	25.7± 0.8	0.052± 0.004	0.007± 0.001	0.183± 0.032	0.138± 0.009	0.142± 0.007
625 ppm	5	25.8± 0.1	0.052± 0.006	0.008± 0.002	0.202± 0.014	0.130± 0.006	0.141± 0.011
1250 ppm	5	26.1± 1.0	0.054± 0.008	0.008± 0.001	0.196± 0.023	0.142± 0.010	0.141± 0.007
2500 ppm	5	25.4± 0.3	0.056± 0.006	0.008± 0.001	0.180± 0.027	0.132± 0.007	0.142± 0.009
5000 ppm	5	23.7± 0.8**	0.046± 0.005	0.008± 0.001	0.194± 0.020	0.130± 0.013	0.137± 0.008
7500 ppm	5	23.1± 1.2**	0.043± 0.008	0.009± 0.001	0.202± 0.017	0.126± 0.007	0.146± 0.008

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

Test of Dunnett

(HCL040)

BAIS 4

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE
 UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
 SURVIVAL ANIMALS (2W)

PAGE : 2

Group Name	NO. of Animals	KIDNEYS		SPLEEN		LIVER		BRAIN	
Control	5	0.419±	0.111	0.066±	0.008	1.345±	0.067	0.445±	0.018
625 ppm	5	0.369±	0.009	0.056±	0.003*	1.403±	0.043	0.440±	0.012
1250 ppm	5	0.394±	0.021	0.066±	0.008	1.455±	0.076	0.446±	0.017
2500 ppm	5	0.388±	0.019	0.072±	0.006	1.434±	0.072	0.447±	0.019
5000 ppm	5	0.396±	0.019	0.097±	0.010**	1.334±	0.137	0.436±	0.011
7500 ppm	5	0.402±	0.028	0.135±	0.021**	1.296±	0.103	0.443±	0.014

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

Test of Dunnett

(HCL040)

BAIS 4

TABLE J 2

ORGAN WEIGHT, ABSOLUTE : FEMALE

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE
 UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
 SURVIVAL ANIMALS (2W)

PAGE : 3

Group Name	NO. of Animals	Body Weight	THYMUS	ADRENALS	OVARIES	HEART	LUNGS
Control	5	20.7± 0.6	0.071± 0.005	0.011± 0.002	0.023± 0.002	0.111± 0.007	0.128± 0.007
625 ppm	5	21.0± 1.3	0.080± 0.008	0.010± 0.001	0.023± 0.003	0.116± 0.016	0.131± 0.006
1250 ppm	5	19.5± 1.9	0.068± 0.005	0.011± 0.002	0.022± 0.003	0.110± 0.006	0.132± 0.011
2500 ppm	5	19.6± 0.6	0.068± 0.011	0.010± 0.001	0.026± 0.002	0.112± 0.006	0.135± 0.005
5000 ppm	5	19.5± 0.9	0.068± 0.008	0.011± 0.001	0.020± 0.003	0.110± 0.007	0.126± 0.003
7500 ppm	5	18.7± 0.4**	0.060± 0.005	0.010± 0.001	0.020± 0.002	0.103± 0.007	0.128± 0.010

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

Test of Dunnett

(HCL040)

BAIS 4

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE
 UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
 SURVIVAL ANIMALS (2W)

PAGE : 4

Group Name	NO. of Animals	KIDNEYS		SPLEEN		LIVER		BRAIN	
Control	5	0.259±	0.015	0.068±	0.005	1.009±	0.100	0.448±	0.010
625 ppm	5	0.265±	0.020	0.073±	0.009	1.112±	0.098	0.450±	0.009
1250 ppm	5	0.267±	0.024	0.076±	0.016	1.020±	0.169	0.450±	0.013
2500 ppm	5	0.280±	0.015	0.107±	0.004**	1.097±	0.055	0.439±	0.012
5000 ppm	5	0.294±	0.010*	0.146±	0.025**	1.051±	0.065	0.448±	0.016
7500 ppm	5	0.290±	0.011*	0.174±	0.041**	1.033±	0.053	0.436±	0.012

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

Test of Dunnett

(HCL040)

BAIS 4

TABLE K 1

ORGAN WEIGHT, RELATIVE : MALE

STUDY NO. : 0690
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (2W)

PAGE : 1

Group Name	NO. of Animals	Body Weight (g)	THYMUS	ADRENALS	TESTES	HEART	LUNGS
Control	5	25.7± 0.8	0.203± 0.013	0.029± 0.005	0.711± 0.108	0.538± 0.020	0.552± 0.015
625 ppm	5	25.8± 0.1	0.200± 0.023	0.032± 0.009	0.781± 0.055	0.505± 0.023	0.546± 0.041
1250 ppm	5	26.1± 1.0	0.208± 0.022	0.029± 0.002	0.748± 0.061	0.544± 0.036	0.541± 0.043
2500 ppm	5	25.4± 0.3	0.222± 0.026	0.033± 0.002	0.710± 0.106	0.522± 0.029	0.559± 0.038
5000 ppm	5	23.7± 0.8**	0.195± 0.019	0.033± 0.005	0.818± 0.100	0.547± 0.036	0.576± 0.034
7500 ppm	5	23.1± 1.2**	0.186± 0.029	0.039± 0.007	0.876± 0.074*	0.544± 0.027	0.631± 0.021**

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

Test of Dunnett

(HCL042)

BAIS 4

STUDY NO. : 0690
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (2W)

PAGE : 2

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	5	1.634± 0.455	0.256± 0.035	5.236± 0.199	1.735± 0.087
625 ppm	5	1.427± 0.037	0.218± 0.013**	5.431± 0.173	1.702± 0.045
1250 ppm	5	1.515± 0.118	0.254± 0.031	5.586± 0.357	1.712± 0.043
2500 ppm	5	1.530± 0.072	0.283± 0.027	5.656± 0.321	1.763± 0.065
5000 ppm	5	1.669± 0.026*	0.408± 0.047**	5.609± 0.384	1.838± 0.063
7500 ppm	5	1.742± 0.062**	0.585± 0.082**	5.610± 0.226	1.921± 0.092**

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

Test of Dunnett

(HCL042)

BAIS 4

TABLE K 2

ORGAN WEIGHT, RELATIVE : FEMALE

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE
 UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
 SURVIVAL ANIMALS (2W)

PAGE : 3

Group Name	NO. of Animals	Body Weight (g)	THYMUS	ADRENALS	OVARIES	HEART	LUNGS
Control	5	20.7± 0.6	0.345± 0.024	0.054± 0.007	0.113± 0.010	0.535± 0.026	0.617± 0.019
625 ppm	5	21.0± 1.3	0.381± 0.024	0.049± 0.006	0.110± 0.018	0.556± 0.096	0.624± 0.026
1250 ppm	5	19.5± 1.9	0.351± 0.020	0.058± 0.011	0.115± 0.025	0.566± 0.062	0.678± 0.050*
2500 ppm	5	19.6± 0.6	0.347± 0.056	0.051± 0.006	0.134± 0.011	0.571± 0.017	0.686± 0.036*
5000 ppm	5	19.5± 0.9	0.351± 0.026	0.057± 0.008	0.101± 0.015	0.567± 0.036	0.649± 0.015
7500 ppm	5	18.7± 0.4**	0.319± 0.026	0.055± 0.006	0.109± 0.011	0.548± 0.029	0.686± 0.044*

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

Test of Dunnett

(HCL042)

BAIS 4

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE
 UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
 SURVIVAL ANIMALS (2W)

PAGE : 4

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	5	1.250 ± 0.042	0.329 ± 0.028	4.874 ± 0.410	2.167 ± 0.033
625 ppm	5	1.268 ± 0.091	0.349 ± 0.023	5.302 ± 0.283	2.154 ± 0.159
1250 ppm	5	1.377 ± 0.192	0.387 ± 0.062	5.200 ± 0.405	2.320 ± 0.192
2500 ppm	5	1.424 ± 0.045*	0.545 ± 0.020**	5.582 ± 0.140**	2.237 ± 0.062
5000 ppm	5	1.512 ± 0.081**	0.753 ± 0.147**	5.398 ± 0.163*	2.303 ± 0.048*
7500 ppm	5	1.548 ± 0.036**	0.930 ± 0.209**	5.517 ± 0.195**	2.331 ± 0.018**

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

Test of Dunnett

(HCL042)

BAIS 4

TABLE L 1

HISTOPATHOLOGICAL FINDINGS :
NON-NEOPLASTIC LESIONS : MALE :
ALL ANIMALS

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 2W)

PAGE : 1

Organ	Findings	Group Name No. of Animals on Study Grade	Control 5				625 ppm 5				1250 ppm 5				2500 ppm 5			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Hematopoietic system)																		
spleen			< 5>				< 5>				< 5>				< 5>			
	deposit of hemosiderin		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	deposit of melanin		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(40)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	extramedullary hematopoiesis		0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(80)	(0)	(0)	(0)
(Digestive system)																		
liver			< 5>				< 5>				< 5>				< 5>			
	deposit of hemosiderin		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	inflammatory cell nest		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(20)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	extramedullary hematopoiesis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
(Urinary system)																		
kidney			< 5>				< 5>				< 5>				< 5>			
	hydronephrosis		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(20)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
 < a > a : Number of animals examined at the site
 b b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 2W)

PAGE : 2

		Group Name				5000 ppm				7500 ppm				
		No. of Animals on Study				5				5				
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Hematopoietic system)														
spleen			< 5>				< 5>							
	deposit of hemosiderin	5	0	0	0	0	5	0	0	0	0			
		(100)	(0)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(0)			
	deposit of melanin	0	0	0	0	0	0	0	0	0	0			
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	extramedullary hematopoiesis	5	0	0	0	0	0	5	0	0	0			
		(100)	(0)	(0)	(0)	(0)	(0)	(100)	(0)	(0)	(0)			
(Digestive system)														
liver			< 5>				< 5>							
	deposit of hemosiderin	1	0	0	0	0	4	0	0	0	0			
		(20)	(0)	(0)	(0)	(0)	(80)	(0)	(0)	(0)	(0)			
	inflammatory cell nest	0	0	0	0	0	0	0	0	0	0			
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)			
	extramedullary hematopoiesis	0	0	0	0	0	1	0	0	0	0			
		(0)	(0)	(0)	(0)	(0)	(20)	(0)	(0)	(0)	(0)			
(Urinary system)														
kidney			< 5>				< 5>							
	hydronephrosis	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

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 2W)

PAGE : 3

		Group Name	Control				625 ppm				1250 ppm				2500 ppm			
		No. of Animals on Study	5				5				5				5			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Organ_____	Findings_____		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Urinary system}																		
kidney																		
regeneration:proximal tubule																		
			< 5>				< 5>				< 5>				< 5>			
			0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(20)	(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																	

(HPT150)

BAIS4

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 2W)

PAGE : 4

		5000 ppm				7500 ppm			
		No. of Animals on Study				No. of Animals on Study			
		5				5			
		Grade				Grade			
		1	2	3	4	1	2	3	4
Organ	Findings	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)

{Urinary system}

kidney

regeneration:proximal tubule

< 5>				< 5>			
1	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

(HPT150)

BAIS4

TABLE L 2

HISTOPATHOLOGICAL FINDINGS :
NON-NEOPLASTIC LESIONS : FEMALE :
ALL ANIMALS

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 2W)

PAGE : 5

Organ	Findings	Group Name No. of Animals on Study Grade	Control 5				625 ppm 5				1250 ppm 5				2500 ppm 5			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Hematopoietic system)																		
spleen			< 5>				< 5>				< 5>				< 5>			
	deposit of hemosiderin		0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	deposit of melanin		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(20)	(0)	(0)	(0)
	extramedullary hematopoiesis		0	0	0	0	0	0	0	0	3	0	0	0	5	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(60)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
(Digestive system)																		
liver			< 5>				< 5>				< 5>				< 5>			
	deposit of hemosiderin		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	inflammatory cell nest		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	extramedullary hematopoiesis		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
(Urinary system)																		
kidney			< 5>				< 5>				< 5>				< 5>			
	regeneration:proximal tubule		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)	(40)	(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

STUDY NO. : 0690
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 2W)

PAGE : 6

		Group Name		5000 ppm				7500 ppm			
		No. of Animals on Study		5				5			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
{Hematopoietic system}											
spleen			< 5>				< 5>				
	deposit of hemosiderin		5	0	0	0	5	0	0	0	
			(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	
	deposit of melanin		0	0	0	0	0	0	0	0	
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
	extramedullary hematopoiesis		1	4	0	0	0	5	0	0	
			(20)	(80)	(0)	(0)	(0)	(100)	(0)	(0)	
{Digestive system}											
liver			< 5>				< 5>				
	deposit of hemosiderin		3	0	0	0	5	0	0	0	
			(60)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	
	inflammatory cell nest		1	0	0	0	0	0	0	0	
			(20)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
	extramedullary hematopoiesis		0	0	0	0	3	0	0	0	
			(0)	(0)	(0)	(0)	(60)	(0)	(0)	(0)	
{Urinary system}											
kidney			< 5>				< 5>				
	regeneration:proximal tubule		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