3-アミノフェノールのラットを用いた
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：0689

TABLES

TABLES

TABLES (CONTINUED)

TABLE A 1

SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 2
SEX : MALE

SURVIVAL ANIMAL NUMBERS

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	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
625 ppm	5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1250 ppm	5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2500 ppm	5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5000 ppm	5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
7500 ppm	5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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

TABLE A 2

SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 2
SEX : FEMALE

SURVIVAL ANIMAL NUMBERS

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	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
625 ppm	5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1250 ppm	5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2500 ppm	5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5000 ppm	5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
7500 ppm	5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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

TABLE B 1

CLINICAL OBSERVATION : MALE

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 2

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

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
SMALL 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	0	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

TABLE B 2

CLINICAL OBSERVATION : FEMALE

Clinical sign	Group Name	Administration Week-day 1-3	1-7	2-3	2-7
SOILED	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	1	1	0	0
	7500 ppm	5	5	5	5
SOILED PERI-GENITALIA	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	0	0	0	0
	7500 ppm	2	2	4	4
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
SMALL 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	5	5	0
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	0	0	0	0
	7500 ppm	0	5	5	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

TABLE C 1

BODY WEIGHT CHANGES

AND SURVIVAL ANIMAL NUMBERS

: MALE

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 2
SEX : MALE

MEAN BODY WEIGHTS AND SURVIVAL

Week-Day on Study	Control Av. Wt.	Control No. of Surviv. < 5>	625 ppm Av. Wt.	625 ppm % of cont. < 5>	625 ppm No. of Surviv.	1250 ppm Av. Wt.	1250 ppm % of cont. < 5>	1250 ppm No. of Surviv.	2500 ppm Av. Wt.	2500 ppm % of cont. < 5>	2500 ppm No. of Surviv.	5000 ppm Av. Wt.	5000 ppm % of cont. < 5>	5000 ppm No. of Surviv.	7500 ppm Av. Wt.	7500 ppm % of cont. < 5>	7500 ppm No. of Surviv.
0-0	125 (5)	5/ 5	126 (5)	101	5/ 5	125 (5)	100	5/ 5	125 (5)	100	5/ 5	125 (5)	100	5/ 5	125 (5)	100	5/ 5
1-3	137 (5)	5/ 5	139 (5)	101	5/ 5	137 (5)	100	5/ 5	136 (5)	99	5/ 5	129 (5)	94	5/ 5	120 (5)	88	5/ 5
1-7	155 (5)	5/ 5	157 (5)	101	5/ 5	155 (5)	100	5/ 5	150 (5)	97	5/ 5	142 (5)	92	5/ 5	130 (5)	84	5/ 5
2-3	169 (5)	5/ 5	172 (5)	102	5/ 5	168 (5)	99	5/ 5	163 (5)	96	5/ 5	152 (5)	90	5/ 5	137 (5)	81	5/ 5
2-7	191 (5)	5/ 5	193 (5)	101	5/ 5	188 (5)	98	5/ 5	181 (5)	95	5/ 5	167 (5)	87	5/ 5	153 (5)	80	5/ 5

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

TABLE C 2

BODY WEIGHT CHANGES

AND SURVIVAL ANIMAL NUMBERS

: FEMALE

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 2
SEX : FEMALE

MEAN BODY WEIGHTS AND SURVIVAL

Week-Day on Study	Control Av. Wt.	Control No. of Surviv. < 5>	625 ppm Av. Wt.	625 ppm % of cont. < 5>	625 ppm No. of Surviv.	1250 ppm Av. Wt.	1250 ppm % of cont. < 5>	1250 ppm No. of Surviv.	2500 ppm Av. Wt.	2500 ppm % of cont. < 5>	2500 ppm No. of Surviv.	5000 ppm Av. Wt.	5000 ppm % of cont. < 5>	5000 ppm No. of Surviv.	7500 ppm Av. Wt.	7500 ppm % of cont. < 5>	7500 ppm No. of Surviv.
0-0	98 (5)	5/ 5	98 (5)	100	5/ 5	99 (5)	101	5/ 5	98 (5)	100	5/ 5	98 (5)	100	5/ 5	98 (5)	100	5/ 5
1-3	105 (5)	5/ 5	104 (5)	99	5/ 5	105 (5)	100	5/ 5	103 (5)	98	5/ 5	96 (5)	91	5/ 5	89 (5)	85	5/ 5
1-7	114 (5)	5/ 5	112 (5)	98	5/ 5	112 (5)	98	5/ 5	110 (5)	96	5/ 5	103 (5)	90	5/ 5	88 (5)	77	5/ 5
2-3	119 (5)	5/ 5	117 (5)	98	5/ 5	118 (5)	99	5/ 5	116 (5)	97	5/ 5	108 (5)	91	5/ 5	92 (5)	77	5/ 5
2-7	130 (5)	5/ 5	126 (5)	97	5/ 5	127 (5)	98	5/ 5	126 (5)	97	5/ 5	114 (5)	88	5/ 5	98 (5)	75	5/ 5

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

TABLE C 3

BODY WEIGHT CHANGES : MALE

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 2
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 0-0	1-3	1-7	2-3	2-7
Control	125± 4	137± 6	155± 8	169± 9	191± 8
625 ppm	126± 4	139± 5	157± 7	172± 8	193± 10
1250 ppm	125± 4	137± 4	155± 5	168± 7	188± 7
2500 ppm	125± 4	136± 3	150± 4	163± 6	181± 7
5000 ppm	125± 4	129± 6	142± 7*	152± 6**	167± 6**
7500 ppm	125± 6	120± 7**	130± 9**	137± 9**	153± 10**

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

TABLE C 4

BODY WEIGHT CHANGES : FEMALE

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 2
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 0-0	1-3	1-7	2-3	2-7
Control	98± 2	105± 4	114± 3	119± 3	130± 3
625 ppm	98± 2	104± 1	112± 3	117± 3	126± 6
1250 ppm	99± 3	105± 3	112± 3	118± 4	127± 5
2500 ppm	98± 3	103± 3	110± 2	116± 3	126± 3
5000 ppm	98± 2	96± 2**	103± 3**	108± 5**	114± 7**
7500 ppm	98± 2	89± 3**	88± 6**	92± 6**	98± 5**

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

TABLE D 1

FOOD CONSUMPTION CHANGES

AND SURVIVAL ANIMAL NUMBERS

: MALE

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 2
SEX : MALE

MEAN FOOD CONSUMPTION(FC) AND SURVIVAL

Week-Day on Study	Control Av. FC.	Control No. of Surviv. <5>	625 ppm Av. FC.	625 ppm % of cont. <5>	625 ppm No. of Surviv.	1250 ppm Av. FC.	1250 ppm % of cont. <5>	1250 ppm No. of Surviv.	2500 ppm Av. FC.	2500 ppm % of cont. <5>	2500 ppm No. of Surviv.	5000 ppm Av. FC.	5000 ppm % of cont. <5>	5000 ppm No. of Surviv.	7500 ppm Av. FC.	7500 ppm % of cont. <5>	7500 ppm No. of Surviv.
1-3	14.2 (5)	5/ 5	14.3 (5)	101	5/ 5	13.9 (5)	98	5/ 5	13.2 (5)	93	5/ 5	12.1 (5)	85	5/ 5	10.1 (5)	71	5/ 5
1-7	15.3 (5)	5/ 5	15.2 (5)	99	5/ 5	14.5 (5)	95	5/ 5	13.7 (5)	90	5/ 5	12.8 (5)	84	5/ 5	10.8 (5)	71	5/ 5
2-3	15.4 (5)	5/ 5	15.2 (5)	99	5/ 5	14.4 (5)	94	5/ 5	13.7 (5)	89	5/ 5	12.8 (5)	83	5/ 5	11.0 (5)	71	5/ 5
2-7	16.0 (5)	5/ 5	16.1 (5)	101	5/ 5	15.9 (5)	99	5/ 5	14.8 (5)	93	5/ 5	13.6 (5)	85	5/ 5	12.6 (5)	79	5/ 5

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

TABLE D 2

FOOD CONSUMPTION CHANGES

AND SURVIVAL ANIMAL NUMBERS

: FEMALE

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 2
SEX : FEMALE

MEAN FOOD CONSUMPTION(FC) AND SURVIVAL

Week-Day on Study	Control Av. FC.	Control No. of Surviv. <5>	625 ppm Av. FC.	625 ppm % of cont. <5>	625 ppm No. of Surviv.	1250 ppm Av. FC.	1250 ppm % of cont. <5>	1250 ppm No. of Surviv.	2500 ppm Av. FC.	2500 ppm % of cont. <5>	2500 ppm No. of Surviv.	5000 ppm Av. FC.	5000 ppm % of cont. <5>	5000 ppm No. of Surviv.	7500 ppm Av. FC.	7500 ppm % of cont. <5>	7500 ppm No. of Surviv.
1-3	11.0 (5)	5/ 5	10.7 (5)	97	5/ 5	10.4 (5)	95	5/ 5	9.9 (5)	90	5/ 5	7.9 (5)	72	5/ 5	6.7 (5)	61	5/ 5
1-7	11.0 (5)	5/ 5	10.9 (5)	99	5/ 5	10.7 (5)	97	5/ 5	10.2 (5)	93	5/ 5	9.3 (5)	85	5/ 5	7.1 (5)	65	5/ 5
2-3	10.7 (5)	5/ 5	10.4 (5)	97	5/ 5	10.5 (5)	98	5/ 5	9.9 (5)	93	5/ 5	9.1 (5)	85	5/ 5	7.9 (5)	74	5/ 5
2-7	11.3 (5)	5/ 5	10.8 (5)	96	5/ 5	11.2 (5)	99	5/ 5	10.9 (5)	96	5/ 5	9.4 (5)	83	5/ 5	8.6 (5)	76	5/ 5

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

TABLE D 3

FOOD CONSUMPTION CHANGES : MALE

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 2
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 1-3(3)	1-7(4)	2-3(3)	2-7(4)
Control	14.2± 1.5	15.3± 1.5	15.4± 1.3	16.0± 0.8
625 ppm	14.3± 0.8	15.2± 0.9	15.2± 1.1	16.1± 1.3
1250 ppm	13.9± 0.6	14.5± 1.0	14.4± 3.4	15.9± 0.8
2500 ppm	13.2± 0.4	13.7± 0.5	13.7± 0.8	14.8± 0.5
5000 ppm	12.1± 1.2**	12.8± 0.7**	12.8± 0.3**	13.6± 0.3**
7500 ppm	10.1± 1.0**	10.8± 1.4**	11.0± 1.0**	12.6± 0.9**

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

TABLE D 4

FOOD CONSUMPTION CHANGES : FEMALE

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 2
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 1-3(3)	1-7(4)	2-3(3)	2-7(4)
Control	11.0± 0.8	11.0± 0.5	10.7± 0.7	11.3± 0.8
625 ppm	10.7± 0.3	10.9± 0.7	10.4± 0.5	10.8± 0.6
1250 ppm	10.4± 0.3	10.7± 0.5	10.5± 0.5	11.2± 0.6
2500 ppm	9.9± 0.4**	10.2± 0.2	9.9± 0.6	10.9± 0.9
5000 ppm	7.9± 0.3**	9.3± 0.5**	9.1± 1.2**	9.4± 1.0**
7500 ppm	6.7± 0.4**	7.1± 1.1**	7.9± 0.4**	8.6± 0.4**

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

TABLE E 1

WATER CONSUMPTION CHANGES

AND SURVIVAL ANIMAL NUMBERS

: MALE

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 2
SEX : MALE

MEAN WATER CONSUMPTION(WC) AND SURVIVAL

Week-Day on Study	Control Av.WC.	Control No. of Surviv. <5>	625 ppm Av.WC.	625 ppm % of cont. <5>	625 ppm No. of Surviv.	1250 ppm Av.WC.	1250 ppm % of cont. <5>	1250 ppm No. of Surviv.	2500 ppm Av.WC.	2500 ppm % of cont. <5>	2500 ppm No. of Surviv.	5000 ppm Av.WC.	5000 ppm % of cont. <5>	5000 ppm No. of Surviv.	7500 ppm Av.WC.	7500 ppm % of cont. <5>	7500 ppm No. of Surviv.
1-3	18.6 (5)	5/ 5	16.9 (5)	91	5/ 5	17.0 (5)	91	5/ 5	14.4 (5)	77	5/ 5	12.1 (5)	65	5/ 5	7.8 (5)	42	5/ 5
1-7	18.0 (5)	5/ 5	17.3 (5)	96	5/ 5	17.1 (5)	95	5/ 5	13.4 (5)	74	5/ 5	12.0 (5)	67	5/ 5	9.4 (5)	52	5/ 5
2-3	18.9 (5)	5/ 5	18.0 (5)	95	5/ 5	17.7 (5)	94	5/ 5	14.0 (5)	74	5/ 5	12.1 (5)	64	5/ 5	10.1 (5)	53	5/ 5
2-7	18.9 (5)	5/ 5	17.7 (5)	94	5/ 5	17.4 (5)	92	5/ 5	13.8 (5)	73	5/ 5	13.5 (5)	71	5/ 5	10.3 (5)	54	5/ 5

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

TABLE E 2

WATER CONSUMPTION CHANGES

AND SURVIVAL ANIMAL NUMBERS

: FEMALE

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 2
SEX : FEMALE

MEAN WATER CONSUMPTION(WC) AND SURVIVAL

Week-Day on Study	Control Av. WC.	Control No. of Surviv. < 5>	625 ppm Av. WC.	625 ppm % of cont. < 5>	625 ppm No. of Surviv.	1250 ppm Av. WC.	1250 ppm % of cont. < 5>	1250 ppm No. of Surviv.	2500 ppm Av. WC.	2500 ppm % of cont. < 5>	2500 ppm No. of Surviv.	5000 ppm Av. WC.	5000 ppm % of cont. < 5>	5000 ppm No. of Surviv.	7500 ppm Av. WC.	7500 ppm % of cont. < 5>	7500 ppm No. of Surviv.
1-3	13.6 (5)	5/ 5	13.7 (5)	101	5/ 5	13.5 (5)	99	5/ 5	11.6 (5)	85	5/ 5	7.4 (5)	54	5/ 5	5.4 (5)	40	5/ 5
1-7	13.5 (5)	5/ 5	13.7 (5)	101	5/ 5	13.0 (5)	96	5/ 5	10.9 (5)	81	5/ 5	8.9 (5)	66	5/ 5	6.5 (5)	48	5/ 5
2-3	14.1 (5)	5/ 5	14.0 (5)	99	5/ 5	12.9 (5)	91	5/ 5	10.4 (5)	74	5/ 5	8.8 (5)	62	5/ 5	8.0 (5)	57	5/ 5
2-7	14.0 (5)	5/ 5	13.0 (5)	93	5/ 5	12.5 (5)	89	5/ 5	10.8 (5)	77	5/ 5	8.2 (5)	59	5/ 5	7.8 (5)	56	5/ 5

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

TABLE E 3

WATER CONSUMPTION CHANGES : MALE

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 2
SEX : MALE

WATER CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 1-3(3)	1-7(4)	2-3(3)	2-7(4)
Control	18.6± 2.2	18.0± 1.0	18.9± 1.3	18.9± 1.1
625 ppm	16.9± 0.6	17.3± 0.4	18.0± 0.9	17.7± 0.4
1250 ppm	17.0± 1.0	17.1± 1.7	17.7± 2.7	17.4± 1.7
2500 ppm	14.4± 0.5**	13.4± 0.6**	14.0± 0.5**	13.8± 0.5**
5000 ppm	12.1± 0.8**	12.0± 0.5**	12.1± 0.5**	13.5± 1.4**
7500 ppm	7.8± 0.9**	9.4± 1.5**	10.1± 0.7**	10.3± 0.7**

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

TABLE E 4

WATER CONSUMPTION CHANGES : FEMALE

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 2
SEX : FEMALE

WATER CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 1-3(3)	1-7(4)	2-3(3)	2-7(4)
Control	13.6± 0.6	13.5± 0.8	14.1± 1.2	14.0± 0.6
625 ppm	13.7± 0.8	13.7± 0.7	14.0± 1.6	13.0± 1.0
1250 ppm	13.5± 1.0	13.0± 0.4	12.9± 0.6	12.5± 0.3*
2500 ppm	11.6± 0.5**	10.9± 1.0**	10.4± 0.7**	10.8± 0.9**
5000 ppm	7.4± 0.2**	8.9± 1.1**	8.8± 1.1**	8.2± 0.7**
7500 ppm	5.4± 0.2**	6.5± 1.3**	8.0± 0.5**	7.8± 0.7**

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

TABLE F 1

CHEMICAL INTAKE CHANGES : MALE

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : mg／kg／d a y
REPORT TYPE : A1 2
SEX : MALE

CHEMICAL INTAKE CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration (Week-Day) 1-3		1-7		2-3		2-7	
Control	0±	0	0±	0	0±	0	0±	0
625 ppm	76±	5	69±	3	66±	3	57±	3
1250 ppm	155±	6	138±	9	131±	15	115±	7
2500 ppm	265±	7	222±	4	215±	8	191±	6
5000 ppm	470±	36	424±	22	398±	27	404±	44
7500 ppm	490±	53	541±	60	552±	39	505±	18

TABLE F 2

CHEMICAL INTAKE CHANGES : FEMALE

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : mg/kg/day
REPORT TYPE : A1 2
SEX : FEMALE

CHEMICAL INTAKE CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration (Week-Day) 1-3		1-7		2-3		2-7	
Control	0±	0	0±	0	0±	0	0±	0
625 ppm	82±	4	77±	3	75±	8	64±	3
1250 ppm	161±	13	145±	5	136±	6	123±	3
2500 ppm	281±	9	249±	19	224±	11	214±	14
5000 ppm	385±	14	431±	42	405±	35	362±	16
7500 ppm	457±	20	551±	79	652±	53	596±	62

TABLE G 1

HEMATOLOGY : MALE

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (2W)

Group Name	NO. of Animals	RED BLOOD CELL $10^6/\mu\ell$	HEMOGLOBIN g/dℓ	HEMATOCRIT %	MCV f ℓ	MCH p g	MCHC g/dℓ	PLATELET $10^3/\mu\ell$
Control	5	7.82± 0.20	14.9± 0.3	40.8± 1.1	52.1± 0.4	19.1± 0.2	36.7± 0.2	905± 60
625 ppm	5	7.67± 0.06	14.8± 0.1	40.2± 0.5	52.4± 0.6	19.3± 0.2	36.9± 0.5	903± 30
1250 ppm	5	7.59± 0.21	14.7± 0.4	40.1± 1.1	52.9± 0.2*	19.3± 0.2	36.6± 0.4	911± 29
2500 ppm	5	7.89± 0.22	15.1± 0.4	41.4± 1.2	52.6± 0.5	19.2± 0.1	36.5± 0.3	911± 23
5000 ppm	5	7.90± 0.17	15.3± 0.3	41.2± 0.7	52.2± 0.3	19.3± 0.2	37.1± 0.2	848± 48
7500 ppm	5	8.07± 0.13	15.4± 0.3	41.6± 0.4	51.6± 0.4	19.1± 0.3	36.9± 0.3	777± 44**

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

Group Name	NO. of Animals	RETICULOCYTE %	METHEMOGLOBIN %
Control	5	3.4± 0.3	0.7± 0.1
625 ppm	5	3.5± 0.2	0.9± 0.1
1250 ppm	5	3.5± 0.4	1.2± 0.7*
2500 ppm	5	3.3± 0.3	0.9± 0.2
5000 ppm	5	3.0± 0.3	0.9± 0.1
7500 ppm	5	3.1± 0.2	1.1± 0.2**

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

Group Name	NO. of Animals	WBC $10^3/\mu\ell$	Differential WBC (%)
Control	5	5.28± 0.34	
625 ppm	5	6.17± 1.06	
1250 ppm	5	5.03± 0.53	
2500 ppm	5	5.55± 0.47	
5000 ppm	5	5.05± 0.59	
7500 ppm	5	5.14± 0.53	

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

TABLE G 2

HEMATOLOGY : FEMALE

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (2W)

Group Name	NO. of Animals	RED BLOOD CELL $10^6/\mu\ell$	HEMOGLOBIN g/dℓ	HEMATOCRIT %	MCV fℓ	MCH pg	MCHC g/dℓ	PLATELET $10^3/\mu\ell$
Control	5	8.08± 0.13	15.6± 0.2	41.5± 0.6	51.4± 0.2	19.3± 0.1	37.5± 0.3	859± 53
625 ppm	5	8.19± 0.34	15.7± 0.6	41.8± 1.6	51.1± 0.2	19.1± 0.3	37.5± 0.4	855± 52
1250 ppm	5	8.25± 0.14	15.8± 0.2	42.1± 0.4	51.1± 0.4	19.1± 0.1	37.4± 0.2	855± 98
2500 ppm	5	8.16± 0.24	15.7± 0.4	41.7± 1.0	51.1± 0.5	19.3± 0.2	37.7± 0.4	858± 44
5000 ppm	5	8.32± 0.09	16.0± 0.1	42.2± 0.4	50.8± 0.3*	19.2± 0.2	37.9± 0.4	756± 83
7500 ppm	5	8.15± 0.30	15.6± 0.5	41.1± 1.4	50.4± 0.4**	19.2± 0.4	38.0± 0.5	691± 49**

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

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (2W)

Group Name	NO. of Animals	RETICULOCYTE %	METHEMOGLOBIN %
Control	5	1.9± 0.2	0.8± 0.2
625 ppm	5	1.9± 0.4	0.8± 0.2
1250 ppm	5	2.0± 0.3	0.8± 0.1
2500 ppm	5	2.1± 0.3	0.8± 0.2
5000 ppm	5	1.8± 0.4	0.9± 0.0
7500 ppm	5	2.5± 0.7	1.4± 0.3**

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

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (2W)

Group Name	NO. of Animals	WBC $10^3/\mu\ell$	Differential WBC (%)
Control	5	4.70± 0.71	
625 ppm	5	5.35± 1.21	
1250 ppm	5	4.89± 1.24	
2500 ppm	5	4.25± 0.79	
5000 ppm	5	4.98± 0.69	
7500 ppm	5	5.70± 1.06	

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

TABLE H 1

BIOCHEMISTRY : MALE

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (2W)

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	5.7± 0.2	3.2± 0.1	1.3± 0.1	0.10± 0.01	193± 11	64± 4	133± 10
625 ppm	5	5.8± 0.1	3.2± 0.1	1.3± 0.1	0.09± 0.01	191± 15	69± 3	142± 8
1250 ppm	5	5.8± 0.1	3.3± 0.1	1.3± 0.1	0.09± 0.01	192± 14	67± 2	141± 3
2500 ppm	5	5.8± 0.1	3.3± 0.1	1.3± 0.1	0.10± 0.01	194± 8	69± 3	142± 6
5000 ppm	5	5.9± 0.1	3.3± 0.1	1.3± 0.0	0.10± 0.01	189± 9	74± 2**	154± 6**
7500 ppm	5	6.1± 0.1**	3.5± 0.1**	1.3± 0.0	0.12± 0.01**	176± 5	79± 5**	153± 13**

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

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (2W)

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		CREATININE mg/dℓ	
Control	5	56±	2	31±	2	127±	52	1±	1	150±	18	15.8±	2.1	0.4±	0.0
625 ppm	5	55±	0	31±	2	130±	52	1±	0	160±	15	16.4±	1.2	0.4±	0.0
1250 ppm	5	56±	5	31±	2	145±	57	1±	0	153±	17	16.4±	2.2	0.4±	0.0
2500 ppm	5	53±	4	32±	2	129±	55	1±	0	131±	16	17.0±	1.1	0.4±	0.0
5000 ppm	5	53±	2	33±	1	147±	77	1±	0	132±	25	17.4±	1.3	0.4±	0.0
7500 ppm	5	54±	4	34±	3	124±	39	1±	0	114±	13*	18.8±	1.3	0.4±	0.0

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

Group Name	NO. of Animals	SODIUM mEq／ℓ		POTASSIUM mEq／ℓ		CHLORIDE mEq／ℓ		CALCIUM mg／dℓ		INORGANIC PHOSPHORUS mg／dℓ	
Control	5	142±	1	4.1±	0.2	104±	1	11.0±	0.1	7.6±	0.7
625 ppm	5	141±	1	4.2±	0.2	102±	1	11.2±	0.2	8.2±	1.1
1250 ppm	5	142±	1	4.1±	0.3	105±	1	11.0±	0.2	7.5±	0.8
2500 ppm	5	141±	1	4.0±	0.1	105±	1	11.0±	0.2	7.6±	0.8
5000 ppm	5	142±	1	4.1±	0.4	105±	1	10.9±	0.2	7.4±	0.9
7500 ppm	5	143±	2	4.3±	0.4	106±	1	11.0±	0.4	7.3±	1.2

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

TABLE H 2

BIOCHEMISTRY : FEMALE

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (2W)

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	5.6± 0.1	3.3± 0.1	1.4± 0.1	0.10± 0.01	190± 4	71± 3	141± 11
625 ppm	5	5.6± 0.1	3.3± 0.1	1.5± 0.1	0.10± 0.00	187± 10	74± 3	137± 7
1250 ppm	5	5.6± 0.1	3.3± 0.1	1.4± 0.1	0.09± 0.01	182± 10	77± 5	144± 8
2500 ppm	5	5.6± 0.1	3.3± 0.0	1.4± 0.1	0.10± 0.01	183± 5	76± 5	144± 7
5000 ppm	5	5.8± 0.1*	3.4± 0.1	1.5± 0.1	0.11± 0.01**	185± 10	77± 2	142± 6
7500 ppm	5	5.8± 0.1*	3.5± 0.1**	1.5± 0.1	0.13± 0.01**	173± 7	72± 3	141± 6

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

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (2W)

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		CREATININE mg/dℓ	
Control	5	60±	4	29±	1	191±	39	1±	1	157±	22	19.1±	1.3	0.5±	0.1
625 ppm	5	67±	5	33±	1	185±	51	2±	1	149±	20	18.3±	0.9	0.5±	0.1
1250 ppm	5	61±	3	32±	2	195±	55	1±	0	149±	19	19.2±	3.2	0.4±	0.1
2500 ppm	5	61±	2	31±	3	243±	77	2±	1	164±	32	19.6±	4.0	0.4±	0.1
5000 ppm	5	61±	3	33±	3	228±	84	1±	0	142±	38	20.1±	2.5	0.5±	0.1
7500 ppm	5	71±	7**	39±	4**	270±	130	2±	0	144±	46	24.7±	4.0*	0.4±	0.1

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

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (2W)

Group Name	NO. of Animals	SODIUM mEq／ℓ		POTASSIUM mEq／ℓ		CHLORIDE mEq／ℓ		CALCIUM mg／dℓ		INORGANIC PHOSPHORUS mg／dℓ	
Control	5	141±	2	3.9±	0.2	105±	1	10.9±	0.1	6.3±	1.4
625 ppm	5	141±	1	3.9±	0.1	106±	2	10.6±	0.2	6.1±	1.2
1250 ppm	5	141±	1	3.8±	0.2	106±	2	10.5±	0.2*	6.3±	1.7
2500 ppm	5	141±	1	4.0±	0.2	107±	1	10.7±	0.2	5.9±	1.2
5000 ppm	5	142±	2	3.8±	0.2	107±	2	10.6±	0.1	6.1±	1.8
7500 ppm	5	144±	2*	3.9±	0.3	109±	2**	10.5±	0.2*	5.5±	1.7

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

TABLE I 1

GROSS FINDINGS : MALE :

ALL ANIMALS

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE

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

Organ	Findings	Group Name / NO. of Animals	Control 5 (%)	625 ppm 5 (%)	1250 ppm 5 (%)	2500 ppm 5 (%)
liver	herniation		0 (0)	0 (0)	0 (0)	0 (0)
brain	deformed		1 (20)	0 (0)	0 (0)	0 (0)

Organ	Findings	Group Name / NO. of Animals	5000 ppm 5 (%)	7500 ppm 5 (%)
liver	herniation		1 (20)	1 (20)
brain	deformed		0 (0)	0 (0)

TABLE I 2

GROSS FINDINGS : FEMALE :

ALL ANIMALS

Organ	Findings	Group Name / NO. of Animals	Control 5 (%)	625 ppm 5 (%)	1250 ppm 5 (%)	2500 ppm 5 (%)
liver	herniation		0 (0)	0 (0)	1 (20)	1 (20)

Organ	Findings	Group Name / NO. of Animals	5000 ppm 5 (%)	7500 ppm 5 (%)
liver	herniation		0 (0)	1 (20)

TABLE J 1

ORGAN WEIGHT, ABSOLUTE : MALE

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE
UNIT: g

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

Group Name	NO. of Animals	Body Weight	THYMUS	ADRENALS	TESTES	HEART	LUNGS
Control	5	191± 8	0.323± 0.025	0.041± 0.006	2.479± 0.093	0.634± 0.027	0.772± 0.037
625 ppm	5	193± 10	0.368± 0.023	0.039± 0.004	2.446± 0.100	0.665± 0.042	0.806± 0.049
1250 ppm	5	188± 7	0.356± 0.035	0.036± 0.006	2.450± 0.122	0.638± 0.036	0.780± 0.048
2500 ppm	5	181± 7	0.357± 0.036	0.034± 0.003	2.457± 0.104	0.635± 0.035	0.759± 0.059
5000 ppm	5	167± 6**	0.309± 0.026	0.036± 0.004	2.444± 0.103	0.590± 0.033	0.718± 0.048
7500 ppm	5	153± 10**	0.263± 0.016*	0.040± 0.008	2.397± 0.144	0.533± 0.023**	0.705± 0.044

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

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE
UNIT: g

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

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN	THYROID
Control	5	1.407± 0.089	0.465± 0.037	7.634± 0.445	1.663± 0.130	0.022± 0.005
625 ppm	5	1.529± 0.082	0.496± 0.038	7.824± 0.547	1.737± 0.051	0.020± 0.004
1250 ppm	5	1.517± 0.095	0.462± 0.029	7.862± 0.594	1.707± 0.028	0.025± 0.004
2500 ppm	5	1.556± 0.106	0.446± 0.034	7.792± 0.672	1.752± 0.026	0.022± 0.005
5000 ppm	5	1.528± 0.085	0.426± 0.029	7.323± 0.397	1.715± 0.034	0.024± 0.004
7500 ppm	5	1.505± 0.103	0.390± 0.033**	6.740± 0.623	1.689± 0.027	0.029± 0.005

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

TABLE J 2

ORGAN WEIGHT, ABSOLUTE : FEMALE

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE
UNIT: g

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

Group Name	NO. of Animals	Body Weight	THYMUS	ADRENALS	OVARIES	HEART	LUNGS
Control	5	130± 3	0.294± 0.030	0.045± 0.003	0.085± 0.013	0.493± 0.023	0.623± 0.023
625 ppm	5	126± 6	0.299± 0.030	0.042± 0.005	0.069± 0.006	0.490± 0.028	0.613± 0.044
1250 ppm	5	127± 5	0.295± 0.048	0.044± 0.004	0.075± 0.014	0.477± 0.048	0.621± 0.030
2500 ppm	5	126± 3	0.308± 0.016	0.047± 0.004	0.078± 0.009	0.462± 0.010	0.626± 0.035
5000 ppm	5	114± 7**	0.267± 0.031	0.041± 0.005	0.076± 0.011	0.446± 0.023*	0.591± 0.038
7500 ppm	5	98± 5**	0.212± 0.016**	0.036± 0.002**	0.052± 0.008**	0.389± 0.014**	0.525± 0.032**

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

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE
UNIT: g

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

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN	THYROID
Control	5	1.036± 0.017	0.351± 0.014	4.981± 0.170	1.610± 0.027	0.018± 0.004
625 ppm	5	1.061± 0.044	0.334± 0.025	4.544± 0.367	1.640± 0.038	0.016± 0.002
1250 ppm	5	1.094± 0.048	0.329± 0.021	4.785± 0.393	1.640± 0.022	0.019± 0.003
2500 ppm	5	1.108± 0.043*	0.337± 0.024	4.876± 0.324	1.602± 0.031	0.018± 0.002
5000 ppm	5	1.139± 0.030**	0.299± 0.012**	4.600± 0.239	1.640± 0.021	0.021± 0.003
7500 ppm	5	1.055± 0.033	0.284± 0.019**	4.061± 0.210**	1.575± 0.024	0.024± 0.004*

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

TABLE K 1

ORGAN WEIGHT, RELATIVE : MALE

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE
UNIT: %

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

Group Name	NO. of Animals	Body Weight (g)	THYMUS	ADRENALS	TESTES	HEART	LUNGS
Control	5	191± 8	0.169± 0.015	0.022± 0.003	1.300± 0.034	0.332± 0.010	0.405± 0.008
625 ppm	5	193± 10	0.190± 0.008	0.020± 0.003	1.269± 0.082	0.344± 0.018	0.418± 0.029
1250 ppm	5	188± 7	0.189± 0.016	0.019± 0.002	1.301± 0.061	0.339± 0.007	0.414± 0.017
2500 ppm	5	181± 7	0.197± 0.014**	0.019± 0.002	1.359± 0.045	0.351± 0.014	0.419± 0.022
5000 ppm	5	167± 6**	0.184± 0.009	0.022± 0.003	1.461± 0.074**	0.352± 0.011	0.429± 0.022
7500 ppm	5	153± 10**	0.172± 0.010	0.026± 0.005	1.566± 0.066**	0.349± 0.015	0.461± 0.034**

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

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE
UNIT: %

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

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN	THYROID
Control	5	0.737± 0.038	0.243± 0.018	4.002± 0.171	0.874± 0.085	0.011± 0.002
625 ppm	5	0.792± 0.018*	0.257± 0.015	4.048± 0.130	0.901± 0.045	0.010± 0.002
1250 ppm	5	0.805± 0.022**	0.245± 0.008	4.169± 0.186	0.907± 0.021	0.013± 0.002
2500 ppm	5	0.861± 0.037**	0.247± 0.013	4.306± 0.248*	0.970± 0.024*	0.012± 0.002
5000 ppm	5	0.913± 0.030**	0.255± 0.008	4.373± 0.090*	1.025± 0.028**	0.015± 0.002
7500 ppm	5	0.982± 0.034**	0.254± 0.007	4.395± 0.186**	1.106± 0.064**	0.019± 0.004**

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

TABLE K 2

ORGAN WEIGHT, RELATIVE : FEMALE

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE
UNIT: %

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

Group Name	NO. of Animals	Body Weight (g)	THYMUS	ADRENALS	OVARIES	HEART	LUNGS
Control	5	130± 3	0.227± 0.021	0.035± 0.002	0.065± 0.010	0.380± 0.019	0.481± 0.011
625 ppm	5	126± 6	0.237± 0.015	0.033± 0.003	0.055± 0.005	0.389± 0.023	0.485± 0.030
1250 ppm	5	127± 5	0.231± 0.036	0.034± 0.002	0.058± 0.009	0.374± 0.025	0.487± 0.014
2500 ppm	5	126± 3	0.245± 0.016	0.037± 0.003	0.062± 0.007	0.367± 0.014	0.498± 0.028
5000 ppm	5	114± 7**	0.236± 0.027	0.037± 0.003	0.066± 0.008	0.393± 0.020	0.521± 0.018
7500 ppm	5	98± 5**	0.216± 0.011	0.037± 0.002	0.053± 0.009	0.397± 0.025	0.536± 0.037**

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

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE
UNIT: %

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

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN	THYROID
Control	5	0.800± 0.025	0.271± 0.009	3.844± 0.118	1.243± 0.026	0.014± 0.003
625 ppm	5	0.841± 0.032	0.264± 0.013	3.598± 0.170	1.301± 0.033	0.013± 0.002
1250 ppm	5	0.859± 0.028*	0.258± 0.008	3.753± 0.209	1.289± 0.051	0.015± 0.003
2500 ppm	5	0.880± 0.020**	0.268± 0.015	3.875± 0.198	1.274± 0.043	0.014± 0.002
5000 ppm	5	1.005± 0.045**	0.264± 0.016	4.054± 0.122	1.449± 0.104**	0.019± 0.003
7500 ppm	5	1.076± 0.045**	0.289± 0.013	4.139± 0.167*	1.607± 0.090**	0.025± 0.005**

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

TABLE L 1

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : MALE :

ALL ANIMALS

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE

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

Organ	Findings	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
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}																		
liver			< 5>				< 5>				< 5>				< 5>			
	herniation		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)
{Urinary system}																		
kidney			< 5>				< 5>				< 5>				< 5>			
	eosinophilic body		5	0	0	0	5	0	0	0	5	0	0	0	1	4	0	0
			(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(20)	(80)	(0)	(0)
	mineralization:papilla		1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
			(20)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(20)	(0)	(0)	(0)
{Endocrine system}																		
thyroid			< 5>				< 5>				< 5>				< 5>			
	ultimibranchial body remanet		1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(20)	(0)	(0)	(0)	(20)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	follicular hyperplasia		0	0	0	0	0	0	0	0	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

Organ	Findings	Group Name	5000 ppm				7500 ppm			
		No. of Animals on Study	5				5			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}										
liver			< 5>				< 5>			
	herniation		1	0	0	0	1	0	0	0
			(20)	(0)	(0)	(0)	(20)	(0)	(0)	(0)
{Urinary system}										
kidney			< 5>				< 5>			
	eosinophilic body		0	5	0	0	0	5	0	0
			(0)	(100)	(0)	(0)	(0)	(100)	(0)	(0)
	mineralization:papilla		2	0	0	0	0	0	0	0
			(40)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Endocrine system}										
thyroid			< 5>				< 5>			
	ultimibranchial body remanet		1	0	0	0	0	0	0	0
			(20)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	follicular hyperplasia		0	0	0	0	1	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

TABLE L 2

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : FEMALE :

ALL ANIMALS

Organ	Findings	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
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{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)
{Digestive system}																		
liver			< 5>				< 5>				< 5>				< 5>			
	herniation		0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(20)	(0)	(0)	(0)	(20)	(0)	(0)	(0)
	inflammatory cell nest		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)
{Urinary system}																		
kidney			< 5>				< 5>				< 5>				< 5>			
	mineralization:cortico-medullary junction		0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0
			(0)	(0)	(0)	(0)	(20)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(40)	(0)	(0)	(0)
	mineralization:papilla		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

Organ	Findings	Group Name	5000 ppm				7500 ppm			
		No. of Animals on Study	5				5			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Hematopoietic system}										
spleen			< 5>				< 5>			
	deposit of hemosiderin		0	0	0	0	5	0	0	0
			(0)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
{Digestive system}										
liver			< 5>				< 5>			
	herniation		0	0	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(20)	(0)	(0)	(0)
	inflammatory cell nest		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Urinary system}										
kidney			< 5>				< 5>			
	mineralization:cortico-medullary junction		1	0	0	0	1	0	0	0
			(20)	(0)	(0)	(0)	(20)	(0)	(0)	(0)
	mineralization:papilla		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 b : Number of animals with lesion
(c) c : b / a * 100

STUDY NO. : 0689
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE

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

Organ	Findings	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
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Urinary system}																		
kidney																		
	regeneration:proximal tubule		< 5>				< 5>				< 5>				< 5>			
			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)
{Endocrine system}																		
thyroid																		
	ultimibranchial body remanet		< 5>				< 5>				< 5>				< 5>			
			0	0	0	0	0	0	0	0	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

Organ	Findings	Group Name	5000 ppm				7500 ppm			
		No. of Animals on Study	5				5			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Urinary system}										
kidney										
	regeneration:proximal tubule		< 5>				< 5>			
			0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Endocrine system}										
thyroid										
	ultimibranchial body remanet		< 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 b : Number of animals with lesion
(c) c : b / a * 100