メタクリル酸ブチルのマウスを用いた
吸入による 2 週間毒性試験報告書

試験番号：0819

TABLES

TABLES

TABLES (CONTINUED)

TABLE A

CONCENTRATIONS OF BUTYL METHACRYLATE IN THE INHALATION CHAMBER OF THE 2-WEEK INHALATION STUDY

CONCENTRATIONS OF BUTYL METHACRYLATE IN THE INHALATION CHAMBER OF THE 2-WEEK INHALATION STUDY

Group Name	Concentration(ppm) Mean ± S.D.
Control	0.0 ± 0.0
63 ppm	63.1 ± 0.3
125 ppm	125.3 ± 0.3
250 ppm	250.8 ± 1.1
500 ppm	500.4 ± 1.5
1000 ppm	1000.3 ± 1.8

TABLE B 1

SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 2
SEX : MALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Days) 0-0	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
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
63ppm	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
125ppm	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
250ppm	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
500ppm	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
1000ppm	5	5/ 5	5/ 5	5/ 5	5/ 5	5/ 5	3/ 5	2/ 5	2/ 5	2/ 5	2/ 5	2/ 5	2/ 5	2/ 5	2/ 5
		100.0	100.0	100.0	100.0	100.0	60.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0

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

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 2
SEX : MALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Days) 2-7
Control	5	5/ 5 100.0
63ppm	5	5/ 5 100.0
125ppm	5	5/ 5 100.0
250ppm	5	5/ 5 100.0
500ppm	5	5/ 5 100.0
1000ppm	5	2/ 5 40.0

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

TABLE B 2

SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 2
SEX : FEMALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Days) 0-0	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
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
63ppm	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
125ppm	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
250ppm	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
500ppm	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
1000ppm	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(%)

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 2
SEX : FEMALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Days) 2-7
Control	5	5/ 5 100.0
63ppm	5	5/ 5 100.0
125ppm	5	5/ 5 100.0
250ppm	5	5/ 5 100.0
500ppm	5	5/ 5 100.0
1000ppm	5	5/ 5 100.0

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

TABLE C 1

CLINICAL OBSERVATION : MALE

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 2

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Administration Week-day 1-2 1	1-4 1	1-4 2	1-7 1	2-3 1	2-7 1
DEATH	Control	0	0	0	0	0	0
	63ppm	0	0	0	0	0	0
	125ppm	0	0	0	0	0	0
	250ppm	0	0	0	0	0	0
	500ppm	0	0	0	0	0	0
	1000ppm	0	0	0	3	3	3
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0
	63ppm	0	0	0	0	0	0
	125ppm	0	0	0	0	0	0
	250ppm	0	0	0	0	0	0
	500ppm	0	0	0	0	0	0
	1000ppm	0	1	2	0	0	0
HUNCHBACK POSITION	Control	0	0	0	0	0	0
	63ppm	0	0	0	0	0	0
	125ppm	0	0	0	0	0	0
	250ppm	0	0	0	0	0	0
	500ppm	0	0	0	0	0	0
	1000ppm	0	0	2	0	0	0
ATAXIC GAIT	Control	0	0	0	0	0	0
	63ppm	0	0	0	0	0	0
	125ppm	0	0	0	0	0	0
	250ppm	0	0	0	0	0	0
	500ppm	0	0	0	0	0	0
	1000ppm	0	0	2	0	0	0
TREMOR	Control	0	0	0	0	0	0
	63ppm	0	0	0	0	0	0
	125ppm	0	0	0	0	0	0
	250ppm	0	0	0	0	0	0
	500ppm	0	0	0	0	0	0
	1000ppm	0	0	1	0	0	0
PILOERECTION	Control	0	0	0	0	0	0
	63ppm	0	0	0	0	0	0
	125ppm	0	0	0	0	0	0
	250ppm	0	0	0	0	0	0
	500ppm	0	0	0	0	0	0
	1000ppm	0	0	2	0	0	0

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 2

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Administration Week-day 1-2 1	1-4 1	1-4 2	1-7 1	2-3 1	2-7 1
IRREGULAR BREATHING	Control	0	0	0	0	0	0
	63ppm	0	0	0	0	0	0
	125ppm	0	0	0	0	0	0
	250ppm	0	0	0	0	0	0
	500ppm	0	0	0	0	0	0
	1000ppm	0	0	2	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0
	63ppm	0	0	0	0	0	0
	125ppm	0	0	0	0	0	0
	250ppm	0	0	0	0	0	0
	500ppm	0	0	0	0	0	0
	1000ppm	0	0	2	0	0	0
NON REMARKABLE	Control	5	5	5	5	5	5
	63ppm	5	5	5	5	5	5
	125ppm	5	5	5	5	5	5
	250ppm	5	5	5	5	5	5
	500ppm	5	5	5	5	5	5
	1000ppm	5	4	3	2	2	2

TABLE C 2

CLINICAL OBSERVATION : FEMALE

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 2

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Administration Week-day 1-2 1	1-4 1	1-4 2	1-7 1	2-3 1	2-7 1
NON REMARKABLE	Control	5	5	5	5	5	5
	63ppm	5	5	5	5	5	5
	125ppm	5	5	5	5	5	5
	250ppm	5	5	5	5	5	5
	500ppm	5	5	5	5	5	5
	1000ppm	5	5	5	5	5	5

TABLE D 1

BODY WEIGHT CHANGES AND SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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>	63ppm Av. Wt.	63ppm % of cont. <5>	63ppm No. of Surviv.	125ppm Av. Wt.	125ppm % of cont. <5>	125ppm No. of Surviv.	250ppm Av. Wt.	250ppm % of cont. <5>	250ppm No. of Surviv.	500ppm Av. Wt.	500ppm % of cont. <5>	500ppm No. of Surviv.	1000ppm Av. Wt.	1000ppm % of cont. <5>	1000ppm No. of Surviv.
0-0	23.6 (5)	5/ 5	23.6 (5)	100	5/ 5	23.5 (5)	100	5/ 5	23.6 (5)	100	5/ 5	23.5 (5)	100	5/ 5	23.4 (5)	99	5/ 5
1-2	23.5 (5)	5/ 5	23.8 (5)	101	5/ 5	23.0 (5)	98	5/ 5	21.8 (5)	93	5/ 5	20.2 (5)	86	5/ 5	19.6 (5)	83	5/ 5
1-4	24.3 (5)	5/ 5	23.8 (5)	98	5/ 5	23.4 (5)	96	5/ 5	23.5 (5)	97	5/ 5	19.9 (5)	82	5/ 5	16.2 (5)	67	5/ 5
1-7	25.0 (5)	5/ 5	24.2 (5)	97	5/ 5	24.1 (5)	96	5/ 5	25.1 (5)	100	5/ 5	23.4 (5)	94	5/ 5	17.8 (2)	71	2/ 5
2-3	25.1 (5)	5/ 5	24.3 (5)	97	5/ 5	23.9 (5)	95	5/ 5	25.1 (5)	100	5/ 5	24.2 (5)	96	5/ 5	20.7 (2)	82	2/ 5
2-7	25.9 (5)	5/ 5	24.2 (5)	93	5/ 5	23.7 (5)	92	5/ 5	24.5 (5)	95	5/ 5	24.2 (5)	93	5/ 5	24.4 (2)	94	2/ 5

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

TABLE D 2

BODY WEIGHT CHANGES AND SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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>	63ppm Av. Wt.	63ppm % of cont. <5>	63ppm No. of Surviv.	125ppm Av. Wt.	125ppm % of cont. <5>	125ppm No. of Surviv.	250ppm Av. Wt.	250ppm % of cont. <5>	250ppm No. of Surviv.	500ppm Av. Wt.	500ppm % of cont. <5>	500ppm No. of Surviv.	1000ppm Av. Wt.	1000ppm % of cont. <5>	1000ppm No. of Surviv.
0-0	19.8 (5)	5/ 5	19.9 (5)	101	5/ 5	19.9 (5)	101	5/ 5	19.9 (5)	101	5/ 5	19.8 (5)	100	5/ 5	19.9 (5)	101	5/ 5
1-2	19.6 (5)	5/ 5	19.6 (5)	100	5/ 5	19.6 (5)	100	5/ 5	18.0 (5)	92	5/ 5	16.8 (5)	86	5/ 5	17.1 (5)	87	5/ 5
1-4	19.7 (5)	5/ 5	19.5 (5)	99	5/ 5	20.4 (5)	104	5/ 5	20.5 (5)	104	5/ 5	18.5 (5)	94	5/ 5	17.0 (5)	86	5/ 5
1-7	20.4 (5)	5/ 5	20.5 (5)	100	5/ 5	20.7 (5)	101	5/ 5	21.3 (5)	104	5/ 5	21.2 (5)	104	5/ 5	20.6 (5)	101	5/ 5
2-3	20.1 (5)	5/ 5	20.5 (5)	102	5/ 5	20.8 (5)	103	5/ 5	20.5 (5)	102	5/ 5	20.9 (5)	104	5/ 5	21.3 (5)	106	5/ 5
2-7	21.2 (5)	5/ 5	21.0 (5)	99	5/ 5	20.8 (5)	98	5/ 5	20.4 (5)	96	5/ 5	20.3 (5)	96	5/ 5	21.0 (5)	99	5/ 5

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

TABLE D 3

BODY WEIGHT CHANGES : MALE

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 2
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 0-0	1-2	1-4	1-7	2-3	2-7
Control	23.6± 0.4	23.5± 0.6	24.3± 0.6	25.0± 0.7	25.1± 0.5	25.9± 0.6
63ppm	23.6± 0.4	23.8± 0.8	23.8± 1.0	24.2± 0.8	24.3± 0.9	24.2± 1.9
125ppm	23.5± 0.6	23.0± 0.2	23.4± 0.2	24.1± 0.2	23.9± 0.7	23.7± 0.6**
250ppm	23.6± 0.4	21.8± 0.4**	23.5± 0.5	25.1± 0.6	25.1± 0.2	24.5± 0.7*
500ppm	23.5± 0.5	20.2± 0.7**	19.9± 1.2**	23.4± 1.4	24.2± 1.5	24.2± 1.9
1000ppm	23.4± 0.7	19.6± 0.8**	16.2± 0.9**	17.8± 0.3 ?	20.7± 1.6 ?	24.4± 0.7 ?

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

? : Significant test is not applied, because No. of data in this group is less than 3.

TABLE D 4

BODY WEIGHT CHANGES : FEMALE

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 2
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 0-0	1-2	1-4	1-7	2-3	2-7
Control	19.8± 1.1	19.6± 1.3	19.7± 1.2	20.4± 1.1	20.1± 0.6	21.2± 1.0
63ppm	19.9± 0.9	19.6± 1.2	19.5± 1.0	20.5± 1.2	20.5± 0.7	21.0± 1.3
125ppm	19.9± 0.9	19.6± 1.2	20.4± 0.6	20.7± 1.0	20.8± 0.6	20.8± 0.7
250ppm	19.9± 0.9	18.0± 0.9	20.5± 0.4	21.3± 0.4	20.5± 0.9	20.4± 0.6
500ppm	19.8± 1.0	16.8± 0.6**	18.5± 1.4	21.2± 0.8	20.9± 1.8	20.3± 1.7
1000ppm	19.9± 0.8	17.1± 0.7**	17.0± 0.7**	20.6± 0.7	21.3± 1.1	21.0± 1.3

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

TABLE E 1

FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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>	63ppm Av. FC.	63ppm % of cont. <5>	63ppm No. of Surviv.	125ppm Av. FC.	125ppm % of cont. <5>	125ppm No. of Surviv.	250ppm Av. FC.	250ppm % of cont. <5>	250ppm No. of Surviv.	500ppm Av. FC.	500ppm % of cont. <5>	500ppm No. of Surviv.	1000ppm Av. FC.	1000ppm % of cont. <5>	1000ppm No. of Surviv.
1-7	4.8 (5)	5/ 5	4.6 (5)	96	5/ 5	4.6 (5)	96	5/ 5	4.9 (5)	102	5/ 5	4.4 (5)	92	5/ 5	2.2 (2)	46	2/ 5
2-7	4.6 (5)	5/ 5	4.3 (5)	93	5/ 5	4.3 (5)	93	5/ 5	4.3 (5)	93	5/ 5	4.7 (5)	102	5/ 5	4.9 (2)	107	2/ 5

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

TABLE E 2

FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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>	63ppm Av. FC.	63ppm % of cont. <5>	63ppm No. of Surviv.	125ppm Av. FC.	125ppm % of cont. <5>	125ppm No. of Surviv.	250ppm Av. FC.	250ppm % of cont. <5>	250ppm No. of Surviv.	500ppm Av. FC.	500ppm % of cont. <5>	500ppm No. of Surviv.	1000ppm Av. FC.	1000ppm % of cont. <5>	1000ppm No. of Surviv.
1-7	4.0 (5)	5/ 5	4.0 (5)	100	5/ 5	4.0 (5)	100	5/ 5	4.3 (5)	108	5/ 5	3.9 (5)	98	5/ 5	3.2 (5)	80	5/ 5
2-7	4.0 (5)	5/ 5	4.3 (5)	108	5/ 5	3.9 (5)	98	5/ 5	3.5 (5)	88	5/ 5	3.5 (5)	88	5/ 5	4.0 (5)	100	5/ 5

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

TABLE E 3

FOOD CONSUMPTION CHANGES : MALE

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 2
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration 1-7 (7)	week-day (effective) 2-7 (7)
Control	4.8± 0.3	4.6± 0.3
63ppm	4.6± 0.1	4.3± 0.4
125ppm	4.6± 0.3	4.3± 0.1
250ppm	4.9± 0.3	4.3± 0.1
500ppm	4.4± 0.6	4.7± 0.6
1000ppm	2.2± 0.1 ?	4.9± 0.4 ?

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

? : Significant test is not applied, because No. of data in this group is less than 3.

TABLE E 4

FOOD CONSUMPTION CHANGES : FEMALE

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 2
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration 1-7 (7)	week-day (effective) 2-7 (7)
Control	4.0± 0.3	4.0± 0.2
63ppm	4.0± 0.2	4.3± 0.2
125ppm	4.0± 0.3	3.9± 0.4
250ppm	4.3± 0.3	3.5± 0.1
500ppm	3.9± 0.5	3.5± 0.6
1000ppm	3.2± 0.5**	4.0± 0.5

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

TABLE F 1

HEMATOLOGY : MALE

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (3W)

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	11.55± 0.32	17.4± 0.5	53.5± 1.6	46.3± 0.9	15.1± 0.4	32.6± 0.4	1243± 90
63ppm	5	11.18± 0.70	16.8± 1.1	52.0± 3.1	46.6± 0.9	15.1± 0.1	32.4± 0.6	1145± 65
125ppm	5	11.06± 0.26	16.5± 0.4	51.0± 1.1	46.2± 0.2	15.0± 0.2	32.4± 0.7	1154± 88
250ppm	5	11.08± 0.21	16.6± 0.5	51.1± 1.1	46.1± 0.4	15.0± 0.2	32.6± 0.2	1166± 97
500ppm	5	10.88± 0.33	16.2± 0.6	50.0± 1.8	45.9± 0.5	14.9± 0.3	32.3± 0.4	1154± 175
1000ppm	2	10.26± 0.03 ?	15.4± 0.3 ?	48.1± 1.0 ?	47.0± 1.1 ?	15.1± 0.2 ?	32.1± 0.2 ?	1465± 168 ?

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

? : Significant test is not applied, because No. of data in this group is less than 3.

Group Name	NO. of Animals	RETICULOCYTE %
Control	5	1.8± 0.2
63ppm	5	1.8± 0.2
125ppm	5	1.7± 0.1
250ppm	5	1.6± 0.1
500ppm	5	2.3± 0.6*
1000ppm	2	3.3± 0.9 ?

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

? : Significant test is not applied, because No. of data in this group is less than 3.

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (3W)

Group Name	NO. of Animals	WBC $10^3/\mu\ell$	Differential WBC (%) NEUTRO	LYMPHO	MONO	EOSINO	BASO	OTHER
Control	5	2.37± 1.06	19± 8	79± 8	1± 0	1± 1	0± 0	0± 0
63ppm	5	2.49± 1.23	18± 5	77± 8	3± 4	2± 1	0± 0	1± 2
125ppm	5	2.26± 1.30	24± 14	73± 16	2± 1	1± 1	0± 0	1± 2
250ppm	5	2.96± 1.56	12± 3	85± 4	1± 0	2± 1	0± 0	0± 1
500ppm	5	3.54± 1.39	22± 13	73± 13	2± 1	2± 1	0± 0	0± 1
1000ppm	2	2.97± 2.76 ?	21± 1 ?	72± 1 ?	3± 1 ?	4± 1 ?	0± 0 ?	1± 1 ?

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

? : Significant test is not applied, because No. of data in this group is less than 3.

TABLE F 2

HEMATOLOGY : FEMALE

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (3W)

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	10.98± 0.34	16.7± 0.6	51.8± 1.6	47.2± 0.9	15.3± 0.1	32.4± 0.4	991± 35
63ppm	5	11.00± 0.30	16.8± 0.6	51.6± 1.8	46.9± 0.4	15.2± 0.1	32.4± 0.2	982± 71
125ppm	5	11.04± 0.39	16.6± 0.5	51.2± 1.3	46.4± 0.7	15.0± 0.4	32.3± 0.6	1006± 47
250ppm	5	10.84± 0.55	16.4± 0.8	50.5± 2.4	46.6± 0.5	15.1± 0.1	32.4± 0.4	1029± 98
500ppm	3	10.87± 0.25	16.2± 0.3	49.8± 1.8	45.8± 1.1	15.0± 0.3	32.7± 0.6	1061± 105
1000ppm	4	10.79± 0.28	16.2± 0.4	50.4± 2.9	46.7± 1.5	15.0± 0.1	32.2± 1.3	978± 30

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

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (3W)

Group Name	NO. of Animals	RETICULOCYTE %
Control	5	2.0± 0.4
63ppm	5	1.7± 0.3
125ppm	5	1.9± 0.5
250ppm	5	1.9± 0.4
500ppm	3	1.9± 0.4
1000ppm	4	2.2± 0.2

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

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (3W)

Group Name	NO. of Animals	WBC $10^3/\mu\ell$		Differential WBC (%) NEUTRO		LYMPHO		MONO		EOSINO		BASO		OTHER	
Control	5	3.32±	2.49	14±	7	84±	7	1±	0	2±	1	0±	0	0±	0
63ppm	5	1.78±	1.04	15±	3	81±	4	2±	0	2±	1	0±	0	1±	1
125ppm	5	1.70±	0.85	12±	3	84±	5	3±	2	1±	0	0±	0	0±	1
250ppm	5	3.58±	2.77	10±	3	86±	3	1±	1	2±	1	0±	0	1±	1
500ppm	3	4.73±	3.14	11±	1	84±	2	1±	0	3±	3	0±	0	0±	1
1000ppm	4	1.66±	0.53	12±	5	82±	5	2±	1	3±	1	0±	1	1±	1

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

TABLE G 1

BIOCHEMISTRY : MALE

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (3W)

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	5	5.2± 0.1	2.8± 0.1	1.1± 0.1	0.06± 0.01	254± 20	97± 12	43± 17
63ppm	4	5.4± 0.4	2.9± 0.1	1.2± 0.2	0.07± 0.01	208± 28	101± 24	28± 6
125ppm	5	5.2± 0.1	2.9± 0.1	1.2± 0.1	0.07± 0.01	235± 40	89± 15	24± 11
250ppm	5	5.3± 0.3	2.8± 0.1	1.2± 0.1	0.07± 0.02	190± 48	95± 6	45± 7
500ppm	5	5.5± 0.6	2.8± 0.1	1.1± 0.2	0.06± 0.01	241± 48	125± 31	51± 19
1000ppm	2	5.2± 0.1 ?	3.0± 0.1 ?	1.4± 0.1 ?	0.06± 0.01 ?	318± 8 ?	112± 6 ?	76± 16 ?

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

? : Significant test is not applied, because No. of data in this group is less than 3.

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (3W)

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	5	199± 28	36± 6	15± 2	182± 48	390± 45	0.1± 0.2	76± 23
63ppm	4	183± 10	37± 5	15± 1	177± 20	381± 59	0.3± 0.4	74± 23
125ppm	5	174± 23	45± 6	15± 2	177± 54	434± 42	0.3± 0.0	84± 30
250ppm	5	191± 14	39± 4	14± 2	238± 148	422± 51	0.4± 0.2	95± 73
500ppm	5	224± 27	38± 11	17± 5	191± 86	386± 71	1.0± 1.1	69± 32
1000ppm	2	226± 22 ?	35± 4 ?	21± 4 ?	225± 82 ?	532± 32 ?	0.4± 0.1 ?	91± 16 ?

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

? : Significant test is not applied, because No. of data in this group is less than 3.

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (3W)

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	5	30.4± 2.6	150± 1	4.7± 0.4	119± 1	9.1± 0.2	6.3± 0.8
63ppm	4	32.8± 5.9	151± 1	4.6± 0.4	119± 3	9.3± 0.4	6.1± 0.9
125ppm	5	34.0± 7.4	152± 2	4.5± 0.3	121± 2	9.1± 0.2	6.4± 0.9
250ppm	5	26.2± 4.8	152± 3	4.7± 0.4	120± 2	9.0± 0.1	6.1± 0.8
500ppm	5	27.7± 6.9	150± 1	4.6± 0.5	117± 2	9.5± 0.6	6.4± 1.1
1000ppm	2	24.7± 7.7 ?	150± 1 ?	5.0± 0.4 ?	120± 1 ?	9.5± 0.0 ?	8.0± 0.4 ?

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

? : Significant test is not applied, because No. of data in this group is less than 3.

TABLE G 2

BIOCHEMISTRY : FEMALE

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (3W)

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	5	5.2± 0.2	3.1± 0.1	1.5± 0.1	0.05± 0.01	236± 28	79± 6	27± 10
63ppm	5	5.4± 0.2	3.2± 0.1	1.5± 0.1	0.06± 0.02	230± 19	76± 13	20± 8
125ppm	5	5.5± 0.3	3.3± 0.2	1.5± 0.1	0.07± 0.02	211± 19	79± 11	16± 3
250ppm	5	5.4± 0.2	3.2± 0.1	1.5± 0.1	0.07± 0.02	207± 23	89± 6	34± 9
500ppm	4	5.5± 0.5	3.1± 0.1	1.3± 0.3	0.06± 0.03	181± 30	111± 44	34± 16
1000ppm	3	5.5± 0.4	3.3± 0.2	1.5± 0.1	0.08± 0.01	236± 50	81± 4	30± 10

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

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (3W)

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	5	158± 19	46± 7	16± 3	185± 75	575± 41	0.4± 0.7	79± 11
63ppm	5	145± 27	69± 25	23± 8	242± 63	678± 98	0.1± 0.2	118± 52
125ppm	5	154± 23	56± 5	17± 2	261± 103	636± 40	0.2± 0.2	107± 40
250ppm	5	173± 10	49± 5	16± 3	245± 94	602± 49	0.2± 0.2	78± 10
500ppm	4	193± 55	44± 12	17± 3	222± 140	479± 162	0.8± 1.1	71± 18
1000ppm	3	154± 10	51± 21	16± 3	384± 179	584± 96	0.2± 0.2	106± 81

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

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (3W)

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	5	27.8±	2.6	150±	1	4.2±	0.6	118±	5	9.2±	0.2	5.7±	1.0
63ppm	5	31.0±	3.4	152±	1	4.1±	0.3	123±	2	9.4±	0.5	6.3±	0.7
125ppm	5	29.4±	3.4	154±	3**	4.2±	0.5	122±	2	9.4±	0.2	6.5±	1.5
250ppm	5	27.0±	1.9	153±	3*	4.5±	0.4	121±	3	9.3±	0.3	5.8±	1.3
500ppm	4	23.4±	2.4	151±	2	4.6±	0.5	122±	4	9.8±	0.5	5.4±	0.6
1000ppm	3	23.5±	4.2	152±	1	4.5±	0.3	123±	2	9.4±	0.3	7.1±	0.9

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

TABLE H 1

GROSS FINDINGS : MALE

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE

GROSS FINDINGS (SUMMARY)
ALL ANIMALS (0- 3W)

Organ	Findings	Group Name / NO. of Animals	Control 5 (%)	63ppm 5 (%)	125ppm 5 (%)	250ppm 5 (%)
thymus	atrophic		0 (0)	0 (0)	0 (0)	0 (0)
spleen	atrophic		0 (0)	0 (0)	0 (0)	0 (0)
kidney	hydronephrosis		0 (0)	1 (20)	1 (20)	0 (0)

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE

GROSS FINDINGS (SUMMARY)
ALL ANIMALS (0- 3W)

Organ	Findings	Group Name / NO. of Animals	500ppm 5 (%)	1000ppm 5 (%)
thymus	atrophic		0 (0)	3 (60)
spleen	atrophic		0 (0)	1 (20)
kidney	hydronephrosis		2 (40)	1 (20)

TABLE H 2

GROSS FINDINGS : FEMALE

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE

GROSS FINDINGS (SUMMARY)
ALL ANIMALS (0- 3W)

Organ	Findings	Group Name / NO. of Animals	Control 5 (%)	63ppm 5 (%)	125ppm 5 (%)	250ppm 5 (%)
kidney	hydronephrosis		0 (0)	0 (0)	0 (0)	0 (0)

Organ	Findings	Group Name / NO. of Animals	500ppm 5 (%)	1000ppm 5 (%)
kidney	hydronephrosis		1 (20)	0 (0)

TABLE I 1

ORGAN WEIGHT, ABSOLUTE : MALE

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (3W)

Group Name	NO. of Animals	Body Weight	THYMUS	ADRENALS	TESTES	HEART	LUNGS
Control	5	21.8± 0.4	0.041± 0.003	0.011± 0.001	0.196± 0.008	0.129± 0.006	0.133± 0.006
63ppm	5	20.2± 1.4	0.036± 0.010	0.012± 0.003	0.211± 0.019	0.126± 0.009	0.135± 0.010
125ppm	5	19.9± 0.7	0.034± 0.007	0.010± 0.001	0.215± 0.014	0.119± 0.006	0.128± 0.008
250ppm	5	21.0± 0.4	0.039± 0.007	0.011± 0.002	0.230± 0.009**	0.124± 0.007	0.134± 0.007
500ppm	5	20.8± 1.5	0.034± 0.006	0.009± 0.001	0.210± 0.008	0.122± 0.008	0.122± 0.004
1000ppm	2	20.3± 1.1 ?	0.029± 0.001 ?	0.011± 0.001 ?	0.171± 0.002 ?	0.105± 0.002 ?	0.122± 0.006 ?

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

? : Significant test is not applied, because No. of data in this group is less than 3.

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (3W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	5	0.367± 0.015	0.048± 0.007	0.946± 0.060	0.447± 0.029
63ppm	5	0.378± 0.025	0.047± 0.005	0.859± 0.094	0.456± 0.031
125ppm	5	0.394± 0.112	0.044± 0.006	0.820± 0.037	0.462± 0.012
250ppm	5	0.363± 0.031	0.047± 0.007	0.866± 0.044	0.464± 0.009
500ppm	5	0.464± 0.168	0.051± 0.013	0.861± 0.075	0.437± 0.016
1000ppm	2	0.355± 0.030 ?	0.049± 0.008 ?	1.035± 0.007 ?	0.422± 0.011 ?

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

? : Significant test is not applied, because No. of data in this group is less than 3.

TABLE I 2

ORGAN WEIGHT, ABSOLUTE : FEMALE

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (3W)

Group Name	NO. of Animals	Body Weight	THYMUS	ADRENALS	OVARIES	HEART	LUNGS
Control	5	17.3± 1.0	0.055± 0.007	0.012± 0.001	0.025± 0.002	0.109± 0.010	0.122± 0.005
63ppm	5	16.8± 1.2	0.050± 0.006	0.013± 0.001	0.024± 0.005	0.107± 0.008	0.126± 0.009
125ppm	5	16.9± 0.5	0.051± 0.004	0.012± 0.002	0.025± 0.002	0.107± 0.006	0.124± 0.002
250ppm	5	16.8± 0.4	0.056± 0.005	0.013± 0.002	0.028± 0.004	0.101± 0.003	0.121± 0.005
500ppm	5	16.9± 1.0	0.054± 0.010	0.012± 0.003	0.029± 0.008	0.104± 0.004	0.122± 0.006
1000ppm	5	17.7± 1.4	0.053± 0.007	0.013± 0.003	0.024± 0.004	0.099± 0.005	0.118± 0.009

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

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (3W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	5	0.267± 0.027	0.052± 0.008	0.767± 0.024	0.450± 0.019
63ppm	5	0.265± 0.013	0.045± 0.007	0.741± 0.082	0.467± 0.020
125ppm	5	0.265± 0.019	0.051± 0.006	0.729± 0.043	0.459± 0.016
250ppm	5	0.255± 0.004	0.049± 0.004	0.713± 0.016	0.459± 0.008
500ppm	5	0.262± 0.011	0.054± 0.004	0.740± 0.067	0.455± 0.014
1000ppm	5	0.255± 0.012	0.047± 0.006	0.760± 0.062	0.439± 0.021

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

TABLE J 1

ORGAN WEIGHT, RELATIVE : MALE

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (3W)

Group Name	NO. of Animals	Body Weight (g)	THYMUS	ADRENALS	TESTES	HEART	LUNGS
Control	5	21.8± 0.4	0.188± 0.015	0.050± 0.006	0.901± 0.045	0.593± 0.030	0.610± 0.036
63ppm	5	20.2± 1.4	0.174± 0.040	0.059± 0.013	1.045± 0.082*	0.624± 0.011	0.669± 0.027
125ppm	5	19.9± 0.7	0.169± 0.034	0.051± 0.007	1.082± 0.089**	0.600± 0.027	0.645± 0.047
250ppm	5	21.0± 0.4	0.186± 0.030	0.052± 0.009	1.094± 0.060**	0.590± 0.035	0.640± 0.037
500ppm	5	20.8± 1.5	0.163± 0.020	0.045± 0.007	1.015± 0.053*	0.588± 0.044	0.592± 0.053
1000ppm	2	20.3± 1.1 ?	0.141± 0.005 ?	0.052± 0.001 ?	0.842± 0.057 ?	0.515± 0.018 ?	0.601± 0.006 ?

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

? : Significant test is not applied, because No. of data in this group is less than 3.

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (3W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	5	1.681± 0.075	0.221± 0.034	4.336± 0.274	2.048± 0.124
63ppm	5	1.879± 0.189	0.236± 0.036	4.239± 0.208	2.254± 0.061*
125ppm	5	1.990± 0.610	0.223± 0.035	4.120± 0.113	2.325± 0.104**
250ppm	5	1.725± 0.142	0.224± 0.033	4.119± 0.141	2.208± 0.046
500ppm	5	2.246± 0.822	0.248± 0.073	4.147± 0.155	2.112± 0.158
1000ppm	2	1.748± 0.049 ?	0.239± 0.025 ?	5.108± 0.319 ?	2.084± 0.172 ?

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

? : Significant test is not applied, because No. of data in this group is less than 3.

TABLE J 2

ORGAN WEIGHT, RELATIVE : FEMALE

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (3W)

Group Name	NO. of Animals	Body Weight (g)	THYMUS	ADRENALS	OVARIES	HEART	LUNGS
Control	5	17.3± 1.0	0.317± 0.032	0.068± 0.009	0.144± 0.013	0.629± 0.038	0.706± 0.042
63ppm	5	16.8± 1.2	0.295± 0.020	0.076± 0.004	0.143± 0.022	0.640± 0.019	0.754± 0.035
125ppm	5	16.9± 0.5	0.304± 0.020	0.071± 0.010	0.147± 0.012	0.633± 0.023	0.733± 0.015
250ppm	5	16.8± 0.4	0.335± 0.030	0.078± 0.013	0.164± 0.022	0.603± 0.024	0.721± 0.039
500ppm	5	16.9± 1.0	0.323± 0.061	0.072± 0.016	0.172± 0.048	0.616± 0.011	0.724± 0.038
1000ppm	5	17.7± 1.4	0.301± 0.021	0.072± 0.013	0.137± 0.015	0.563± 0.060	0.670± 0.047

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

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (3W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	5	1.540± 0.070	0.297± 0.031	4.437± 0.138	2.607± 0.189
63ppm	5	1.585± 0.048	0.267± 0.021	4.415± 0.197	2.790± 0.125
125ppm	5	1.566± 0.090	0.301± 0.042	4.307± 0.169	2.714± 0.095
250ppm	5	1.515± 0.057	0.293± 0.022	4.236± 0.107	2.725± 0.075
500ppm	5	1.557± 0.148	0.320± 0.040	4.374± 0.290	2.696± 0.077
1000ppm	5	1.452± 0.104	0.263± 0.018	4.302± 0.090	2.499± 0.201

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

TABLE K 1

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : MALE

ALL ANIMALS

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
ALL ANIMALS (0- 3W)

Organ	Findings	Group Name / No. of Animals on Study / Grade	Control 5 1+ (%)	Control 5 2+ (%)	Control 5 3+ (%)	Control 5 4+ (%)	63ppm 5 1+ (%)	63ppm 5 2+ (%)	63ppm 5 3+ (%)	63ppm 5 4+ (%)	125ppm 5 1+ (%)	125ppm 5 2+ (%)	125ppm 5 3+ (%)	125ppm 5 4+ (%)	250ppm 5 1+ (%)	250ppm 5 2+ (%)	250ppm 5 3+ (%)	250ppm 5 4+ (%)
{Respiratory system}																		
nasal cavit			< 5>				< 5>				< 5>				< 5>			
	eosinophilic change: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)	1 (20)	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)
	regeneration:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	1 (20)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)	0 (0)	1 (20)	4 (80)	0 (0)	0 (0)
	atrophy:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (20)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	necrosis:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (20)	0 (0)	0 (0)	0 (0)	4 (80)	1 (20)	0 (0)	0 (0)
lung			< 5>				< 5>				< 5>				< 5>			
	edema		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
{Hematopoietic system}																		
thymus			< 5>				< 5>				< 5>				< 5>			
	atrophy		0 (0)	0 (0)	0 (0)	0 (0)	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 / Grade	500ppm 1+ (%)	500ppm 2+ (%)	500ppm 3+ (%)	500ppm 4+ (%)	1000ppm 1+ (%)	1000ppm 2+ (%)	1000ppm 3+ (%)	1000ppm 4+ (%)
		No. of Animals on Study	5				5			
(Respiratory system)										
nasal cavit			<5>				<5>			
	eosinophilic change:respiratory epithelium		2 (40)	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)	2 (40)	0 (0)	0 (0)	0 (0)
	regeneration:olfactory epithelium		0 (0)	5 (100)	0 (0)	0 (0)	3 (60)	2 (40)	0 (0)	0 (0)
	atrophy:olfactory epithelium		1 (20)	0 (0)	0 (0)	0 (0)	2 (40)	2 (40)	0 (0)	0 (0)
	necrosis:olfactory epithelium		4 (80)	0 (0)	0 (0)	0 (0)	1 (20)	3 (60)	0 (0)	0 (0)
lung			<5>				<5>			
	edema		0 (0)	0 (0)	0 (0)	0 (0)	1 (20)	1 (20)	0 (0)	0 (0)
(Hematopoietic system)										
thymus			<5>				<5>			
	atrophy		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	3 (60)	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 / No. of Animals on Study / Grade	Control 5				63ppm 5				125ppm 5				250ppm 5			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
(Hematopoietic system)																		
spleen		< 5>																
	atrophy		0 (0)	0 (0)	0 (0)	0 (0)	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>																
	inflammatory cell nest		1 (20)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (20)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
(Urinary system)																		
kidney		< 5>																
	hydronephrosis		0 (0)	0 (0)	0 (0)	0 (0)	1 (20)	0 (0)	0 (0)	0 (0)	0 (0)	1 (20)	0 (0)	0 (0)	1 (20)	0 (0)	0 (0)	0 (0)
	tubular necrosis		0 (0)	0 (0)	0 (0)	0 (0)	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:renal tubule		0 (0)	0 (0)	0 (0)	0 (0)	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 / Grade	500ppm 1+ (%)	500ppm 2+ (%)	500ppm 3+ (%)	500ppm 4+ (%)	1000ppm 1+ (%)	1000ppm 2+ (%)	1000ppm 3+ (%)	1000ppm 4+ (%)
(Hematopoietic system)										
spleen		No. of Animals on Study	5				5			
	atrophy	< 5>	0	0	0	0	0	1	0	0
		(c)	(0)	(0)	(0)	(0)	(0)	(20)	(0)	(0)
(Digestive system)										
liver		No. of Animals on Study	5				5			
	inflammatory cell nest	< 5>	0	0	0	0	0	0	0	0
		(c)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
(Urinary system)										
kidney		No. of Animals on Study	5				5			
	hydronephrosis	< 5>	1	2	0	0	0	1	0	0
		(c)	(20)	(40)	(0)	(0)	(0)	(20)	(0)	(0)
	tubular necrosis	< 5>	0	0	0	0	1	1	2	0
		(c)	(0)	(0)	(0)	(0)	(20)	(20)	(40)	(0)
	regeneration:renal tubule	< 5>	2	0	0	0	0	2	0	0
		(c)	(40)	(0)	(0)	(0)	(0)	(40)	(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 K 2

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : MALE

DEAD AND MORIBUND ANIMALS

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
DEAD AND MORIBUND ANIMALS (0- 3W)

Organ	Findings	Group Name	Control				63ppm				125ppm				250ppm			
		No. of Animals on Study	0				0				0				0			
		Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
(Respiratory system)																		
nasal cavit			<0>				<0>				<0>				<0>			
	regeneration:respiratory epithelium		- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
	regeneration:olfactory epithelium		- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
	atrophy:olfactory epithelium		- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
	necrosis:olfactory epithelium		- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
lung			<0>				<0>				<0>				<0>			
	edema		- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)
(Hematopoietic system)																		
thymus			<0>				<0>				<0>				<0>			
	atrophy		- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)	- (-)

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	500ppm				1000ppm			
		No. of Animals on Study	0				3			
		Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
(Respiratory system)										
nasal cavit			< 0>				< 3>			
	regeneration:respiratory epithelium		-	-	-	-	2	0	0	0
			(-)	(-)	(-)	(-)	(67)	(0)	(0)	(0)
	regeneration:olfactory epithelium		-	-	-	-	3	0	0	0
			(-)	(-)	(-)	(-)	(100)	(0)	(0)	(0)
	atrophy:olfactory epithelium		-	-	-	-	1	2	0	0
			(-)	(-)	(-)	(-)	(33)	(67)	(0)	(0)
	necrosis:olfactory epithelium		-	-	-	-	0	3	0	0
			(-)	(-)	(-)	(-)	(0)	(100)	(0)	(0)
lung			< 0>				< 3>			
	edema		-	-	-	-	1	1	0	0
			(-)	(-)	(-)	(-)	(33)	(33)	(0)	(0)
(Hematopoietic system)										
thymus			< 0>				< 3>			
	atrophy		-	-	-	-	0	3	0	0
			(-)	(-)	(-)	(-)	(0)	(100)	(0)	(0)

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

Organ	Findings	Group Name / No. of Animals on Study / Grade	Control				63ppm				125ppm				250ppm			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
(Hematopoietic system)																		
spleen		0																
	atrophy	< a >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		b	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		(c)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
(Urinary system)																		
kidney		0																
	hydronephrosis	< a >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		b	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		(c)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	tubular necrosis	< a >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		b	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		(c)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)

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	500ppm				1000ppm			
		No. of Animals on Study	0				3			
		Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
(Hematopoietic system)										
spleen			< 0>				< 3>			
	atrophy		-	-	-	-	0	1	0	0
			(-)	(-)	(-)	(-)	(0)	(33)	(0)	(0)
(Urinary system)										
kidney			< 0>				< 3>			
	hydronephrosis		-	-	-	-	0	1	0	0
			(-)	(-)	(-)	(-)	(0)	(33)	(0)	(0)
	tubular necrosis		-	-	-	-	0	1	2	0
			(-)	(-)	(-)	(-)	(0)	(33)	(67)	(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 K 3

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : MALE

SACRIFICED ANIMALS

STUDY NO. : 0819
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
SACRIFICED ANIMALS (3W)

Organ	Findings	Group Name	Control				63ppm				125ppm				250ppm			
		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+ (%)
(Respiratory system)																		
nasal cavit			< 5>				< 5>				< 5>				< 5>			
	eosinophilic change: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)	1 (20)	0 (0)	0 (0)	0 (0)
	regeneration:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	1 (20)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)	0 (0)	1 (20)	4 (80)	0 (0)	0 (0)
	atrophy:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (20)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	necrosis:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (20)	0 (0)	0 (0)	0 (0)	4 (80)	1 (20)	0 (0)	0 (0)
(Digestive system)																		
liver			< 5>				< 5>				< 5>				< 5>			
	inflammatory cell nest		1 (20)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (20)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
(Urinary system)																		
kidney			< 5>				< 5>				< 5>				< 5>			
	hydronephrosis		0 (0)	0 (0)	0 (0)	0 (0)	1 (20)	0 (0)	0 (0)	0 (0)	0 (0)	1 (20)	0 (0)	0 (0)	1 (20)	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	500ppm				1000ppm			
		No. of Animals on Study	5				2			
		Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
(Respiratory system)										
nasal cavit			< 5>				< 2>			
	eosinophilic change:respiratory epithelium		2 (40)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	regeneration:olfactory epithelium		0 (0)	5 (100)	0 (0)	0 (0)	0 (0)	2 (100)	0 (0)	0 (0)
	atrophy:olfactory epithelium		1 (20)	0 (0)	0 (0)	0 (0)	1 (50)	0 (0)	0 (0)	0 (0)
	necrosis:olfactory epithelium		4 (80)	0 (0)	0 (0)	0 (0)	1 (50)	0 (0)	0 (0)	0 (0)
(Digestive system)										
liver			< 5>				< 2>			
	inflammatory cell nest		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
(Urinary system)										
kidney			< 5>				< 2>			
	hydronephrosis		1 (20)	2 (40)	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	Control				63ppm				125ppm				250ppm			
		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			< 5>				< 5>				< 5>				< 5>			
	tubular necrosis		0	0	0	0	0	0	0	0	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:renal tubule		0	0	0	0	0	0	0	0	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	500ppm				1000ppm			
		No. of Animals on Study	5				2			
		Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
(Urinary system)										
kidney			< 5>				< 2>			
	tubular necrosis		0 (0)	0 (0)	0 (0)	0 (0)	1 (50)	0 (0)	0 (0)	0 (0)
	regeneration:renal tubule		2 (40)	0 (0)	0 (0)	0 (0)	0 (0)	2 (100)	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

TABLE K 4

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : FEMALE

ALL ANIMALS

Organ	Findings	Group Name / No. of Animals on Study / Grade	Control 5				63ppm 5				125ppm 5				250ppm 5			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
(Respiratory system)																		
nasal cavit		< 5>																
	eosinophilic change:respiratory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (40)	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)	4 (80)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)	0 (0)	4 (80)	1 (20)	0 (0)	0 (0)
	atrophy:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	necrosis:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	3 (60)	0 (0)	0 (0)	0 (0)	2 (40)	0 (0)	0 (0)	0 (0)
(Digestive system)																		
liver		< 5>																
	inflammatory cell nest		1 (20)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (20)	0 (0)	0 (0)	0 (0)
(Urinary system)																		
kidney		< 5>																
	hydronephrosis		1 (20)	0 (0)	0 (0)	0 (0)	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 / No. of Animals on Study / Grade	500ppm 5 1+ (%)	500ppm 5 2+ (%)	500ppm 5 3+ (%)	500ppm 5 4+ (%)	1000ppm 5 1+ (%)	1000ppm 5 2+ (%)	1000ppm 5 3+ (%)	1000ppm 5 4+ (%)
{Respiratory system}										
nasal cavit			< 5>				< 5>			
	eosinophilic change:respiratory epithelium		2 (40)	0 (0)	0 (0)	0 (0)	2 (40)	0 (0)	0 (0)	0 (0)
	regeneration:olfactory epithelium		0 (0)	5 (100)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)
	atrophy:olfactory epithelium		3 (60)	0 (0)	0 (0)	0 (0)	4 (80)	0 (0)	0 (0)	0 (0)
	necrosis:olfactory epithelium		3 (60)	0 (0)	0 (0)	0 (0)	1 (20)	0 (0)	0 (0)	0 (0)
{Digestive system}										
liver			< 5>				< 5>			
	inflammatory cell nest		1 (20)	0 (0)	0 (0)	0 (0)	1 (20)	0 (0)	0 (0)	0 (0)
{Urinary system}										
kidney			< 5>				< 5>			
	hydronephrosis		0 (0)	1 (20)	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