

2-フェノキシエタノールのマウスを用いた
経口投与によるがん原性試験（混水試験）報告書

試験番号：0498

APPENDICES

APPENDICES

APPENDIX A 1	IDENTITY OF 2-PHENOXYETHANOL IN THE 2-YEAR DRINKING WATER STUDY
APPENDIX A 2	STABILITY OF 2-PHENOXYETHANOL IN THE 2-YEAR DRINKING WATER STUDY
APPENDIX A 3	CONCENTRATION OF 2-PHENOXYETHANOL IN FORMULATED WATER IN THE 2-YEAR DRINKING WATER STUDY
APPENDIX A 4	STABILITY OF 2-PHENOXYETHANOL IN FORMULATED WATER
APPENDIX B 1	CLINICAL OBSERVATION: MALE
APPENDIX B 2	CLINICAL OBSERVATION: FEMALE
APPENDIX C 1	BODY WEIGHT CHANGES: MALE
APPENDIX C 2	BODY WEIGHT CHANGES: FEMALE
APPENDIX D 1	FOOD CONSUMPTION CHANGES: MALE
APPENDIX D 2	FOOD CONSUMPTION CHANGES: FEMALE
APPENDIX E 1	WATER CONSUMPTION CHANGES: MALE
APPENDIX E 2	WATER CONSUMPTION CHANGES: FEMALE
APPENDIX F 1	CHEMICAL INTAKE CHANGES: MALE
APPENDIX F 2	CHEMICAL INTAKE CHANGES: FEMALE
APPENDIX G 1	HEMATOLOGY: MALE
APPENDIX G 2	HEMATOLOGY: FEMALE
APPENDIX H 1	BIOCHEMISTRY: MALE
APPENDIX H 2	BIOCHEMISTRY: FEMALE

APPENDICES (CONTINUED)

APPENDIX I 1	URINALYSIS: MALE
APPENDIX I 2	URINALYSIS: FEMALE
APPENDIX J 1	GROSS FINDINGS: MALE: ALL ANIMALS
APPENDIX J 2	GROSS FINDINGS: MALE: DEAD AND MORIBUND ANIMALS
APPENDIX J 3	GROSS FINDINGS: MALE: SACRIFICED ANIMALS
APPENDIX J 4	GROSS FINDINGS: FEMALE: ALL ANIMALS
APPENDIX J 5	GROSS FINDINGS: FEMALE: DEAD AND MORIBUND ANIMALS
APPENDIX J 6	GROSS FINDINGS: FEMALE: SACRIFICED ANIMALS
APPENDIX K 1	ORGAN WEIGHT, ABSOLUTE: MALE
APPENDIX K 2	ORGAN WEIGHT, ABSOLUTE: FEMALE
APPENDIX L 1	ORGAN WEIGHT, RELATIVE: MALE
APPENDIX L 2	ORGAN WEIGHT, RELATIVE: FEMALE
APPENDIX M 1	HISTOPATHOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS: MALE: ALL ANIMALS
APPENDIX M 2	HISTOPATHOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS: MALE: DEAD AND MORIBUND ANIMALS
APPENDIX M 3	HISTOPATHOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS: MALE: SACRIFICED ANIMALS
APPENDIX M 4	HISTOPATHOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS: FEMALE: ALL ANIMALS
APPENDIX M 5	HISTOPATHOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS: FEMALE: DEAD AND MORIBUND ANIMALS
APPENDIX M 6	HISTOPATHOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS: FEMALE: SACRIFICED ANIMALS

APPENDICES (CONTINUED)

APPENDIX N 1	NUMBER OF ANIMALS WITH TUMORS AND NUMBER OF TUMORS-TIME RELATED: MALE
APPENDIX N 2	NUMBER OF ANIMALS WITH TUMORS AND NUMBER OF TUMORS-TIME RELATED: FEMALE
APPENDIX O 1	HISTOPATHOLOGICAL FINDINGS: NEOPLASTIC LESIONS: MALE
APPENDIX O 2	HISTOPATHOLOGICAL FINDINGS: NEOPLASTIC LESIONS: FEMALE
APPENDIX P 1	NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS: MALE
APPENDIX P 2	NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS: FEMALE
APPENDIX Q 1	HISTOPATHOLOGICAL FINDINGS: METASTASIS OF TUMOR: MALE
APPENDIX Q 2	HISTOPATHOLOGICAL FINDINGS: METASTASIS OF TUMOR: FEMALE
APPENDIX R	METHODS, UNITS AND DECIMAL PLACE FOR HEMATOLOGY AND BIOCHEMISTRY IN THE 2-YEAR DRINKING WATER STUDY OF 2-PHENOXYETHANOL

APPENDIX A 1

IDENTITY OF 2-PHENOXYETHANOL IN THE 2-YEAR DRINKING WATER STUDY

IDENTITY OF 2-PHENOXYETHANOL IN THE 2-YEAR DRINKING WATER STUDY

Test Substance : 2-Phenoxyethanol (Wako Pure Chemical Industries, Ltd.)

A. Lot No. : PKM4201

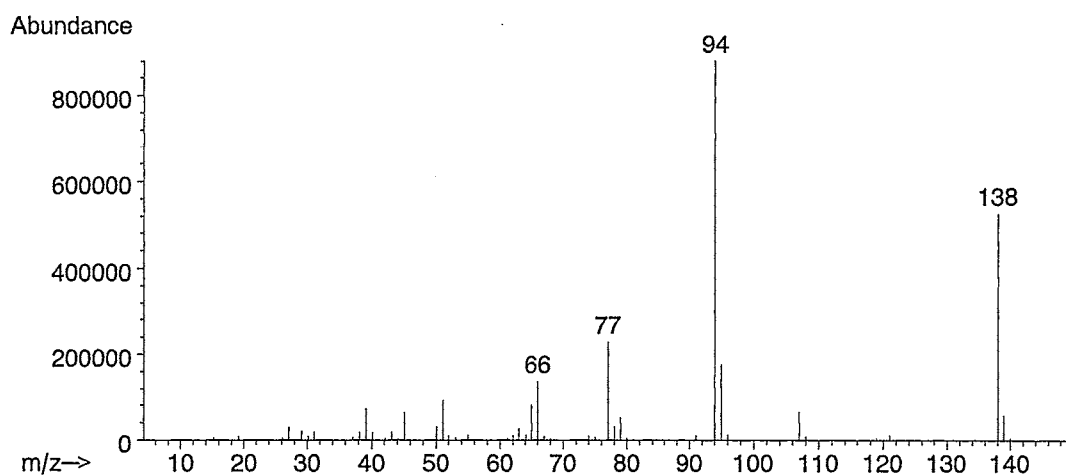
1. Spectral Data

Mass Spectrometry

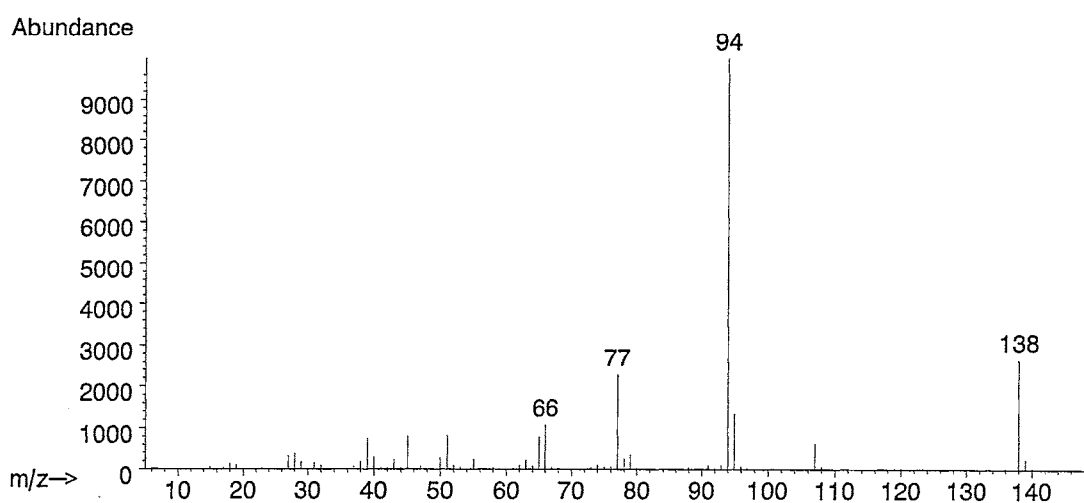
Instrument : Hewlett Packard 5989B Mass Spectrometer

Ionization : EI (Electron Ionization)

Ionization Voltage : 70eV



Mass Spectrum of Test Substance



Mass Spectrum of Literature Data*

Result: The mass spectrum was consistent with literature spectrum.

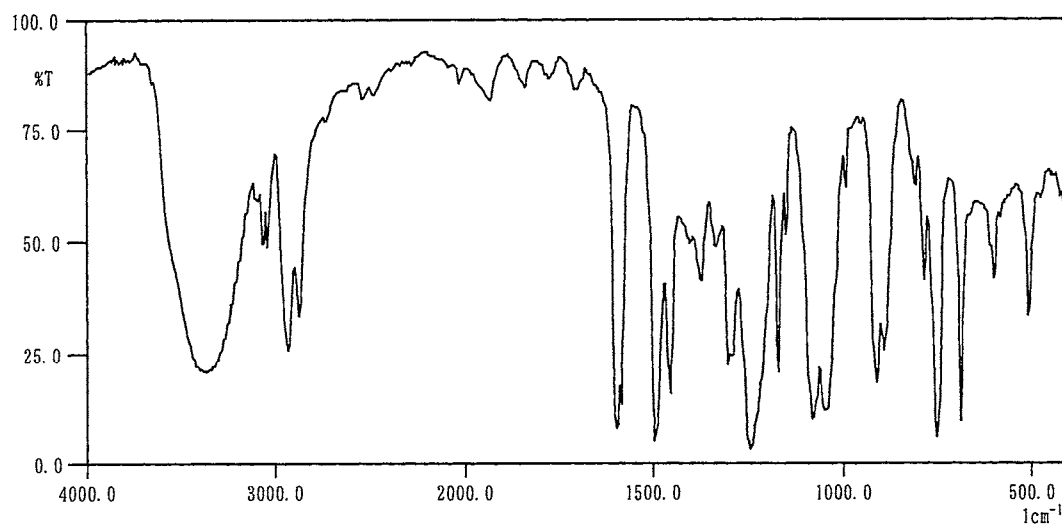
(*McLafferty FW. 1994. Wiley Registry of Mass Spectral Data, 6th ed.
New York: John Wiley and Sons.)

Infrared Spectrometry

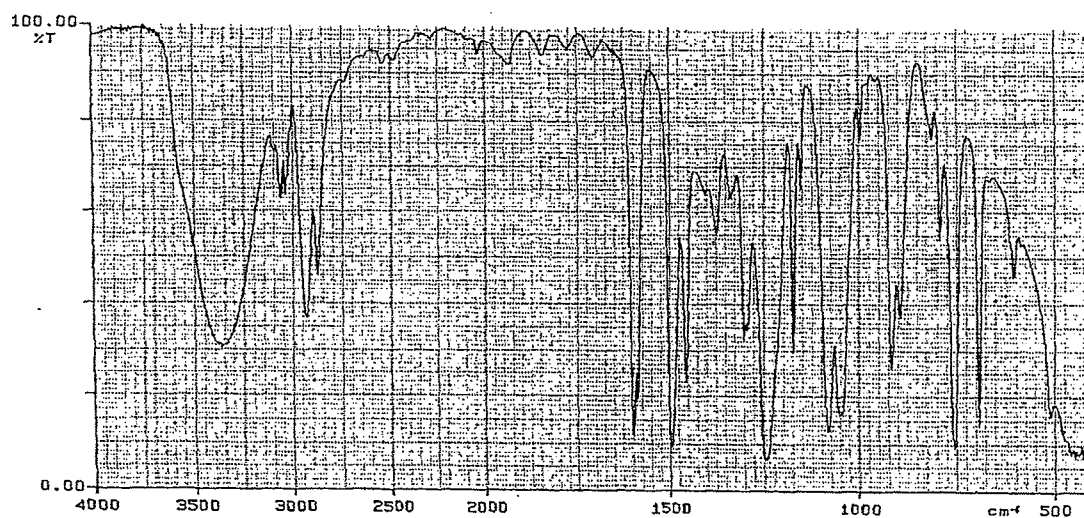
Instrument : Shimadzu FTIR-8200PC Infrared Spectrometer

Cell : KBr Liquid Cell

Resolution : 2 cm^{-1}



Infrared Spectrum of Test Substance



Infrared Spectrum of Literature Data*

Result: The infrared spectrum was consistent with literature spectrum.

(*Performed by Wako Pure Chemical Industries, Ltd.)

2. Conclusion: The test substance was identified as 2-phenoxyethanol by mass spectrum and infrared spectrum.

B. Lot No. : PKF5373

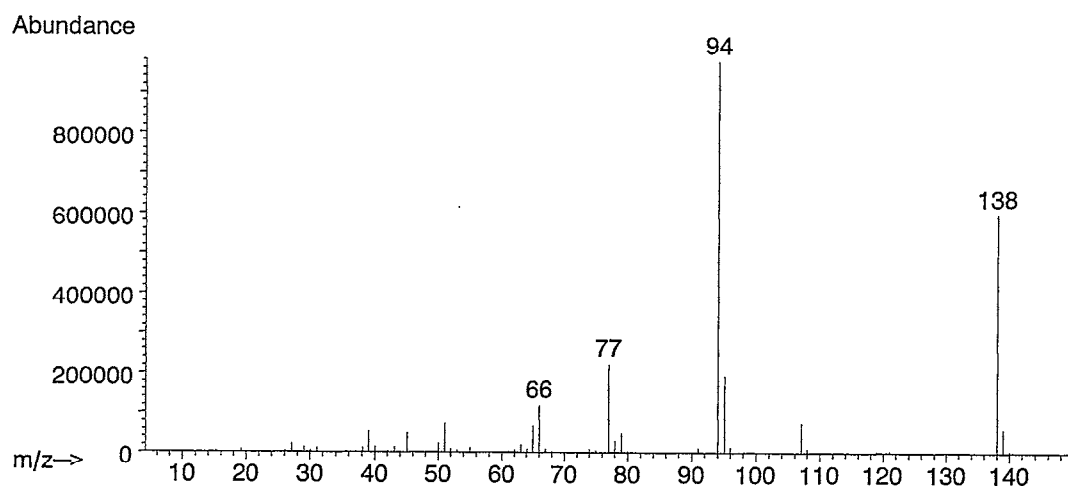
1. Spectral Data

Mass Spectrometry

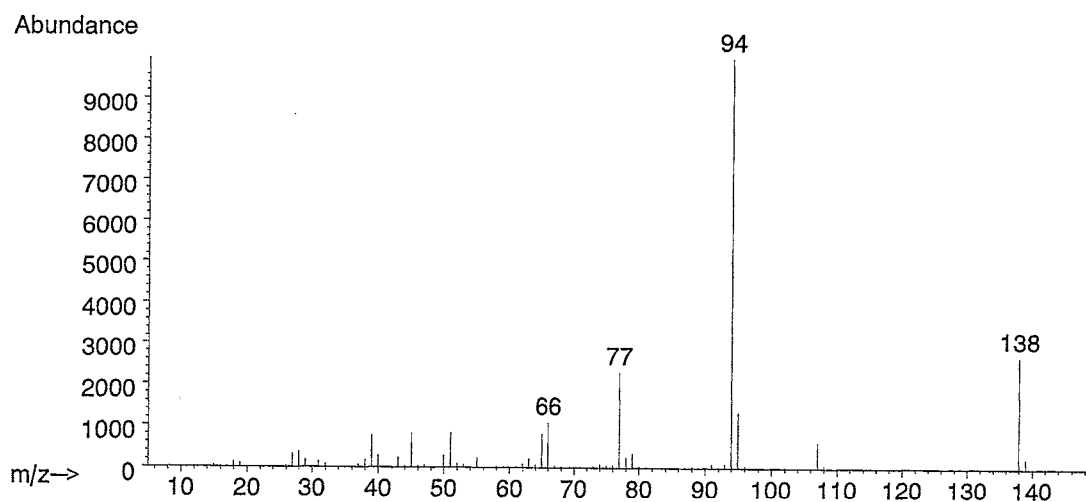
Instrument : Hewlett Packard 5989B Mass Spectrometer

Ionization : EI (Electron Ionization)

Ionization Voltage : 70eV



Mass Spectrum of Test Substance



Mass Spectrum of Literature Data*

Result: The mass spectrum was consistent with literature spectrum.

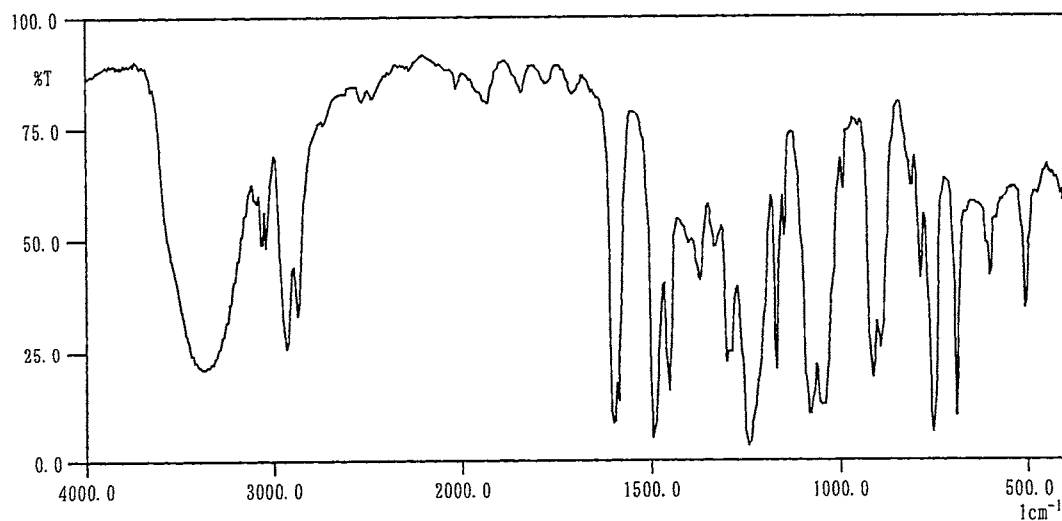
(*McLafferty FW. 1994. Wiley Registry of Mass Spectral Data, 6th ed.
New York: John Wiley and Sons.)

Infrared Spectrometry

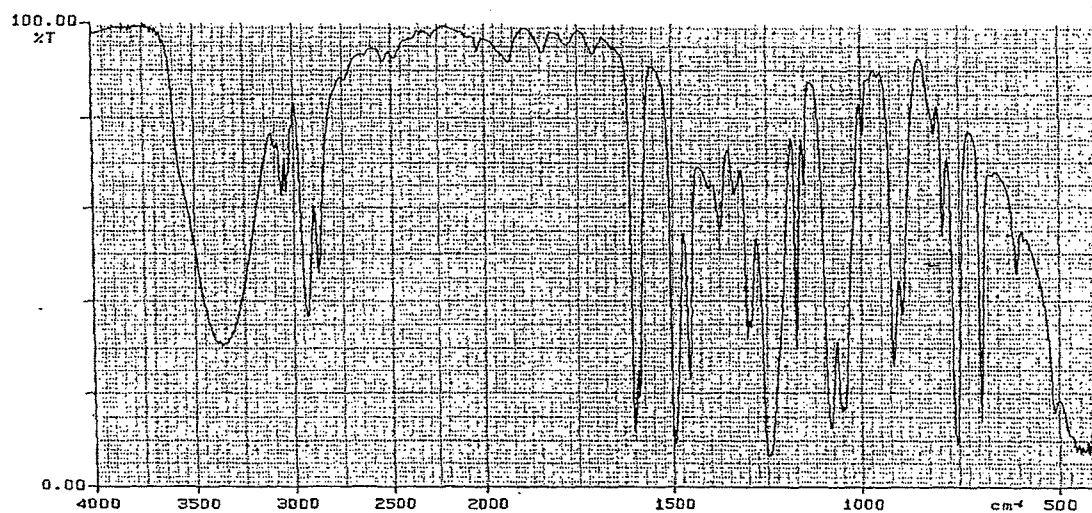
Instrument : Shimadzu FTIR-8200PC Infrared Spectrometer

Cell : KBr Liquid Cell

Resolution : 2 cm^{-1}



Infrared Spectrum of Test Substance



Infrared Spectrum of Literature Data*

Result: The infrared spectrum was consistent with literature spectrum.

(*Performed by Wako Pure Chemical Industries, Ltd.)

2. Conclusion: The test substance was identified as 2-phenoxyethanol by mass spectrum and infrared spectrum.

APPENDIX A 2

STABILITY OF 2-PHENOXYETHANOL IN THE 2-YEAR DRINKING WATER STUDY

STABILITY OF 2-PHENOXYETHANOL IN THE 2-YEAR DRINKING WATER STUDY

Test Substance : 2-Phenoxyethanol (Wako Pure Chemical Industries, Ltd.)

A. Lot No. : PKM4201

1. High Performance Liquid Chromatography

Instrument : Shimadzu LC-10 High Performance Liquid Chromatograph

Column : TSK-GEL ODS-80TM (4.6 mm ϕ \times 15 cm)

Column Temperature: 40 °C

Flow Rate : 1 mL/min

Mobile Phase : Acetonitrile : Distilled Water = 4 : 6

Detector : UV (271 nm)

Injection Volume : 10 μ L

Date analyzed	Peak No.	Retention Time (min)	Area (%)
2003.06.19	1	3.488	100
2004.05.17	1	3.457	100

Result: High performance liquid chromatography indicated one major peak (peak No.1) analyzed on 2003.6.19 and one major peak (peak No.1) analyzed on 2004.5.17. No new trace impurity peak in the test substance analyzed on 2004.5.17 was detected.

2. Conclusion: The test substance was stable for the period that the test substance had been used for the study.

B. Lot No. : PKF5373

1. High Performance Liquid Chromatography

Instrument : Shimadzu LC-10 High Performance Liquid Chromatograph

Column : TSK-GEL ODS-80TM (4.6 mm ϕ \times 15 cm)

Column Temperature: 40 °C

Flow Rate : 1 mL/min

Mobile Phase : Acetonitrile : Distilled Water = 4 : 6

Detector : UV (271 nm)

Injection Volume : 10 μ L

Date analyzed	Peak No.	Retention Time (min)	Area (%)
2004.05.10	1	3.454	100
2005.07.22	1	3.459	100

Result: High performance liquid chromatography indicated one major peak (peak No.1) analyzed on 2004.5.10 and one major peak (peak No.1) analyzed on 2005.7.22. No new trace impurity peak in the test substance analyzed on 2005.7.22 was detected.

2. Conclusion: The test substance was stable for the period that the test substance had been used for the study.

APPENDIX A 3

CONCENTRATION OF 2-PHENOXYETHANOL
IN FORMULATED WATER IN THE 2-YEAR
DRINKING WATER STUDY

CONCENTRATION OF 2-AMINOETHANOL IN FORMULATED WATER IN THE 2-YEAR DRINKING WATER STUDY

Analytical Method : The samples were analyzed by high performance liquid chromatography.

Instrument : Shimadzu LC-10 High Performance Liquid Chromatograph

Column : TSK-GEL ODS-80TM (4.6 mm ϕ \times 15 cm)

Column Temperature: 40 °C

Flow Rate : 1 mL/min

Mobile Phase : Acetonitrile : Distilled Water = 4 : 6

Detector : UV (271 nm)

Injection Volume : 10 μ L

Date Analyzed	Target Concentration		
	5000 ^a	10000	20000
2003.07.11	5110 ^b (102) ^c	10200 (102)	20400 (102)
2003.09.12	5080 (102)	10200 (102)	20500 (103)
2003.12.05	5040 (101)	10200 (102)	20500 (103)
2004.02.27	4880 (97.6)	9900 (99.0)	19700 (98.5)
2004.05.21	5040 (101)	10100 (101)	20000 (100)
2004.08.13	5040 (101)	10200 (102)	19900 (99.5)
2004.11.05	5010 (100)	9990 (99.9)	20000 (100)
2005.01.28	5190 (104)	10200 (102)	20900 (105)
2005.04.22	5030 (101)	10100 (101)	20400 (102)

^a ppm

^b ppm (Mean measured concentration.)

^c % (Mean measured concentration/target concentration \times 100.)

APPENDIX A 4

STABILITY OF 2-PHENOXYETHANOL IN FORMULATED WATER

STABILITY OF 2-AMINOETHANOL IN FORMULATED WATER

Analytical Method : The samples were analyzed by high performance liquid chromatography.
 Instrument : Shimadzu LC-10 High Performance Liquid Chromatograph
 Column : TSK-GEL ODS-80TM (4.6 mm ϕ \times 15 cm)
 Column Temperature: 40 °C
 Flow Rate : 1 mL/min
 Mobile Phase : Acetonitrile : Distilled Water = 4 : 6
 Detector : UV (271 nm)
 Injection Volume : 10 μ L

Date Analyzed	Target Concentration	
	100 ^a	25000
2002.05.15	97.3 (100) ^b	24600 (100)
2002.05.20 ^c	93.2 (95.8)	25500 (104)

^a ppm^b % (Percentage was based on the concentration at the date of preparation.)^c Animal room samples

APPENDIX B 1

CLINICAL OBSERVATION : MALE

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Cxj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

PAGE : 1

Clinical sign	Group Name	Administration Week-day													
		1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	1	1	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	1	1	0	0	0	0	0	0	0
	20000ppm	1	0	0	0	0	1	0	0	0	0	0	0	0	1

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

PAGE : 2

Clinical sign	Group Name	Administration Week-day													
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	1	0	0	1	1	1	1	2	1	1	1	1	1	1

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

PAGE : 3

Clinical sign	Group Name	Administration Week-day													
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	1	1	1	1	2	2	2	2	2	2	2	2	2	2
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	1	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

PAGE : 4

Clinical sign	Group Name	Administration Week-day													
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
DEATH	Control	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	5000ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE : 5

Clinical sign	Group Name	Administration Week-day													
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
DEATH	Control	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	5000ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

PAGE : 6

Clinical sign	Group Name	Administration Week-day													
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
DEATH	Control	4	4	4	4	4	5	5	8	8	8	8	8	8	8
	5000ppm	1	1	1	1	1	1	1	1	1	1	1	2	3	4
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	20000ppm	2	2	2	2	2	2	2	3	3	3	3	3	5	5
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILORECTION	Control	1	1	1	1	1	1	1	1	1	1	1	2	2	2
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	1	1	1	1	0	0	0	0	0
	20000ppm	1	1	1	1	1	1	1	0	1	1	1	2	0	0

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

PAGE : 7

Clinical sign	Group Name	Administration Week-day													
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
DEATH	Control	9	10	11	11	11	12	12	12	12	12	12	12	12	12
	5000ppm	4	4	4	4	5	6	7	7	7	8	8	8	8	9
	10000ppm	1	2	3	3	3	3	3	3	3	4	4	5	6	7
	20000ppm	5	5	6	6	6	7	7	7	7	8	8	8	8	8
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRONE	Control	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	0
ABNORMAL GAIT	Control	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	2	1	1	2	2	3	3	3	3	3	3	3	3	3
	5000ppm	0	0	1	1	1	1	1	1	1	1	1	1	1	1
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	20000ppm	0	1	0	0	0	0	0	0	1	0	0	0	0	0

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

PAGE : 8

Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
DEATH	Control	12	12	12	12	13	15
	5000ppm	11	12	13	14	14	14
	10000ppm	8	8	8	8	8	8
	20000ppm	8	8	9	9	9	9
MORIBUND SACRIFICE	Control	0	0	0	0	0	0
	5000ppm	1	1	1	1	1	1
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
PRONE	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
HUNCHBACK POSITION	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
ABNORMAL GAIT	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
WASTING	Control	0	0	0	0	1	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
SOTLED	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
PILOERECTION	Control	3	3	3	3	3	2
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	1	1	0	1

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

PAGE : 9

Clinical sign	Group Name	Administration Week-day													
		1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:EDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

PAGE : 10

Clinical sign	Group Name	Administration Week-day													
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	1	1	2	2	2	2	2	2	2	2	2	2	2	2
	5000ppm	1	1	1	1	1	1	1	0	0	0	1	1	1	1
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	1	2	2	2
M. NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Crlj[Crlj:BDF1]
 REPORT TYPE : A1 :04

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

PAGE : 11

Clinical sign	Group Name	Administration Week-day													
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	5000ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	2	1	2	1	1	1	1	1	1	1	1	1	1	2
M. NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Cxj:BDF1]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE : 12

Clinical sign	Group Name	Administration Week-day													
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	2	2	2	2	2	2	2	2	2	2	2	2	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	2	2	3	3	3	3	3	3	3	3	3	3	3	2
M. NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Cxj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

PAGE : 13

Clinical sign	Group Name	Administration Week-day													
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	1	2	2	3	3	3
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	2	2	2	2	2	3	3	3	3	4	4	4	4	4
M. NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. BREAST	Control	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

PAGE : 14

Clinical sign	Group Name	Administration Week-day													
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPIITHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10000ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	1	1	1	2	1	1	1	0	0	0	0	0	0	1
	5000ppm	0	0	0	0	0	0	0	0	2	2	2	2	3	4
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	3	3	3	3	3	3	4	4	4	4	4	4	5	5
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	3
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	4	4	4	4	4	4	3	3	4	4	4	4	3	4
M. NOSE	Control	0	0	0	1	0	1	1	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. BREAST	Control	1	1	1	1	1	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

PAGE : 15

Clinical sign	Group Name	Administration Week-day													
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	1	1	2	2
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10000ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	4	5	5	5	4	4	2	2	2	1	1	1	2	2
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	4	3	2	3	5	4	5	5	5	5	5	5	4	4
	5000ppm	1	1	2	2	1	2	4	5	4	4	5	6	5	5
	10000ppm	0	0	0	0	0	0	1	2	2	1	1	2	2	2
	20000ppm	5	5	3	4	4	4	4	4	5	5	5	5	5	5
M. NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[BDF1]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE : 16

Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
FROG BELLY	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0
	5000ppm	1	1	1	1	1	1
	10000ppm	0	0	0	1	1	1
	20000ppm	0	0	0	1	1	1
GUM	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	1
	20000ppm	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	1	2	2	1
	5000ppm	2	2	2	2	2	2
	10000ppm	0	0	1	1	1	1
	20000ppm	0	2	1	1	1	2
INTERNAL MASS	Control	3	5	5	5	4	8
	5000ppm	3	5	4	3	4	7
	10000ppm	1	1	1	1	1	5
	20000ppm	5	5	4	4	4	6
M. NOSE	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
M. EYE	Control	0	0	0	1	1	1
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	1
M. BREAST	Control	0	0	1	1	1	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	1	0	0	0	0

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

PAGE : 17

Clinical sign	Group Name	Administration Week-day													
		1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
M. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ANTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ITINDLUMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Crj[Crl:BDF1]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE : 18

Clinical sign	Group Name	Administration Week-day													
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
M. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ANTERIOR. DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE : 19

Clinical sign	Group Name	Administration Week-day			32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
		29-7	30-7	31-7											
M. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ANTERIOR, DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	1	1	1	1	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

PAGE : 20

Clinical sign	Group Name	Administration Week-day													
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
M. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ANTERIOR. DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Crlj[Cri:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

PAGE : 21

Clinical sign	Group Name	Administration Week-day													
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
M. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ANTERIOR. DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Crlj[Crlj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

PAGE : 22

Clinical sign	Group Name	Administration Week-day													
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
M. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ANTERIOR. DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE : 23

Clinical sign	Group Name	Administration Week-day			88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
		85-7	86-7	87-7											
M. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	1	1	1	1	1	1	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ANTERIOR. DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	1	1	1	1	1	1	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	1	1	1	1	1	1	1	1	1	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. GENITALIA	Control	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	1	2	2	2	1	1	1	1	1	1	1	1	2	2
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EROSION	Control	1	0	1	1	2	2	2	2	2	2	2	2	2	2
	5000ppm	0	0	0	1	1	1	1	1	1	1	1	2	2	2
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	5000ppm	0	1	1	1	1	1	1	1	1	1	1	3	3	3
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	1	1	1	0	0	0	0	0

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

PAGE : 24

Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
M. ABDOMEN	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
M. ANTERIOR. DORSUM	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	1	1	1	1	1
M. HINDLIMB	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
M. GENITALIA	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	1	1	1	1
	20000ppm	0	0	0	0	0	0
M. TAIL	Control	0	0	0	0	0	0
	5000ppm	2	2	2	2	2	2
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	1
	20000ppm	0	0	0	0	0	0
EROSION	Control	2	2	2	2	2	2
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
CRUSTA	Control	1	1	2	2	1	1
	5000ppm	1	1	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
TORTICOLLIS	Control	1	1	1	1	1	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE : 25

Clinical sign	Group Name	Administration Week-day													
		1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	3	0	0	0	0	0	0	0	1	0	0	0	0	1
OLIGO-STOOL	Control	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	10000ppm	1	1	0	0	0	0	0	0	0	0	0	0	0	1
	20000ppm	2	0	0	0	0	0	0	1	0	1	1	1	1	1
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	50	50	50	50	50	49	49	50	50	50	50	50	50	50
	5000ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	49
	10000ppm	49	49	50	50	50	49	49	50	50	50	50	50	50	49
	20000ppm	47	50	50	50	50	49	50	49	49	49	49	49	49	49

(HAN190)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

PAGE : 26

Clinical sign	Group Name	Administration Week-day													
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	1	1	1	1	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	1	0	0	0	0
OLIGO-STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	1	1	0	0	0	0
	10000ppm	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	20000ppm	1	0	1	1	1	1	1	1	0	1	1	1	1	1
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	49	49	48	48	48	48	48	48	48	48	48	48	48	48
	5000ppm	49	49	49	49	49	49	48	49	49	49	48	48	48	48
	10000ppm	50	50	50	50	50	50	49	50	50	50	50	50	50	50
	20000ppm	49	50	49	49	49	49	49	48	48	47	48	46	46	46

(HAN190)

BAIS 4

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE : 27

Clinical sign	Group Name	Administration Week-day													
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OLIGO-STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	2	1	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	48	48	48	48	48	48	48	48	48	48	48	48	48	48
	5000ppm	48	48	48	48	48	48	48	48	48	48	48	48	48	48
	10000ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	20000ppm	46	47	47	47	47	47	47	47	47	47	47	47	47	46

(HAN190)

BAIS 4

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Crlj[Crlj:BDF1]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE : 28

Clinical sign	Group Name	Administration Week-day													
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	1	1	0	0
OLIGO-STOOL	Control	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	1	0	0	0	0	0	1	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	48	48	48	47	47	47	47	47	47	47	46	46	48	48
	5000ppm	49	49	49	49	49	49	49	49	49	49	49	49	49	49
	10000ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	20000ppm	46	46	45	44	45	45	45	45	45	44	44	44	45	46

(HAN190)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Cri:EDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

PAGE : 29

Clinical sign	Group Name	Administration Week-day													
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
OLIGO-STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	47	47	47	47	47	47	47	47	46	44	44	43	43	42
	5000ppm	49	49	49	49	49	49	49	49	49	49	49	48	48	48
	10000ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	20000ppm	46	46	46	46	46	45	45	45	45	44	44	44	43	43

(HAN190)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

PAGE : 30

Clinical sign	Group Name	Administration Week-day													
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
IRREGULAR BREATHING	Control	0	0	0	1	1	1	1	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	1	0	0
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	5000ppm	0	0	0	0	0	1	0	0	0	0	0	1	1	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	0
	20000ppm	1	0	0	0	0	1	1	0	0	0	0	0	0	0
OLIGO-STOOL	Control	0	1	1	1	1	2	2	0	0	0	0	1	0	1
	5000ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	2	1	0
	20000ppm	1	0	1	1	1	2	1	0	0	1	0	1	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	41	41	41	40	41	40	39	37	37	37	37	36	36	35
	5000ppm	48	48	48	48	48	47	48	48	46	45	45	43	41	38
	10000ppm	50	50	50	50	50	49	49	49	49	50	49	47	48	48
	20000ppm	43	43	43	43	43	42	43	44	43	42	43	42	42	41

(HAN190)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

PAGE : 31

Clinical sign	Group Name	Administration Week-day													
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
IRREGULAR BREATHING	Control	1	1	0	0	1	0	0	0	0	0	0	0	0	0
	5000ppm	0	1	2	2	2	2	2	2	2	2	2	2	2	2
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	0
SMALL STOOL	Control	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	1	1	1	1	2	1	1	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	20000ppm	0	1	0	0	0	0	0	0	0	1	1	0	0	0
OLIGO-STOOL	Control	0	2	0	0	1	0	0	0	0	0	0	0	0	0
	5000ppm	0	2	2	2	2	1	1	1	2	2	0	0	0	1
	10000ppm	0	0	0	1	1	1	0	0	0	1	0	0	1	0
	20000ppm	1	3	0	0	0	1	0	2	2	1	1	1	0	1
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	35	34	35	34	32	32	32	32	32	31	31	31	32	32
	5000ppm	40	37	37	37	37	35	35	34	35	34	35	34	34	32
	10000ppm	48	47	46	45	45	44	45	44	44	43	44	42	41	41
	20000ppm	39	38	41	40	40	38	38	37	36	35	35	36	37	37

(HAN190)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

PAGE : 32

Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
IRREGULAR BREATHING	Control	0	0	0	0	0	0
	5000ppm	1	1	0	0	0	1
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	1	2
	10000ppm	0	0	0	0	0	2
	20000ppm	0	0	0	0	0	0
OLIGO-STOOL	Control	0	0	0	1	1	0
	5000ppm	0	0	0	2	0	1
	10000ppm	0	0	0	1	2	3
	20000ppm	0	0	1	1	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
NON REMARKABLE	Control	33	31	30	29	29	25
	5000ppm	32	29	29	28	28	25
	10000ppm	41	41	40	38	37	33
	20000ppm	37	35	35	33	35	33

(HAN190)

BAIS 4

APPENDIX B 2

CLINICAL OBSERVATION : FEMALE

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 33

Clinical sign	Group Name	Administration Week-day													
		1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROTATING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROLLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	1	1	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : FEMALE

PAGE : 34

Clinical sign	Group Name	Administration Week-day											27-7	28-7
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7		
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
ROTATING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
ROLLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 35

Clinical sign	Group Name	Administration Week-day													
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
DEATH	Control	0	0	0	0	0	0	0	0	0	0	1	1	1	2
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROTATING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROLLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	1	1	1	1	1	1	1	1	1	1	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTOR	Control	0	1	1	1	1	1	1	1	1	1	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 36

Clinical sign	Group Name	Administration Week-day													
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
DEATH	Control	2	2	3	3	3	3	3	3	3	3	3	3	3	3
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	2
	10000ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	20000ppm	0	0	0	0	1	2	2	2	2	2	2	3	3	3
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	1	0	0	0	0	0	0	0	0	0	0
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROTATING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	1	1	1	1	1	1	1	0	0
ROLLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADNORMAL GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	10000ppm	1	1	1	0	0	0	0	0	1	0	0	0	0	0
	20000ppm	0	2	2	3	2	1	2	1	1	1	1	1	1	1

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 37

Clinical sign	Group Name	Administration Week-day													
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
DEATH	Control	3	3	3	3	3	3	3	3	4	4	4	4	4	4
	5000ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	10000ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	20000ppm	3	3	3	3	3	3	4	4	4	4	4	4	4	4
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	20000ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	1	1	1	1	0	0	0	0	0	0	0	0
ROTATING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	1	1	1	1	1	1	1	0	0	0	0	0
ROLLING	Control	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	1	1	1	1	1	1	1	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	1	1	1	1	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	1	1	1	1	1	2	1	1	1	0	0	0	0	0

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : FEMALE

PAGE : 38

Clinical sign	Group Name	Administration Week-day													
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
DEATH	Control	4	4	5	6	6	6	6	6	6	6	6	7	8	10
	5000ppm	2	2	2	2	2	2	2	2	2	2	2	2	3	3
	10000ppm	1	1	1	1	1	1	2	4	4	4	4	5	5	5
	20000ppm	4	4	4	4	4	4	5	5	5	5	5	6	6	6
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	1	1	1	1	1	1	1	1	1	1
	10000ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	20000ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROTATING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROLLING	Control	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	1	1	2	1	1	0	0	0	0	0	0	0	1	1
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	20000ppm	0	0	0	1	1	1	0	1	1	1	1	0	0	0

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : FEMALE

PAGE : 39

Clinical sign	Group Name	Administration Week-day													
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
DEATH	Control	11	11	11	13	13	13	13	15	16	17	19	20	20	21
	5000ppm	4	4	4	4	5	5	7	7	9	10	10	10	12	12
	10000ppm	5	5	5	5	7	7	7	8	8	8	9	10	11	12
	20000ppm	6	6	7	8	8	9	9	10	10	11	11	11	11	11
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10000ppm	2	2	2	2	2	2	2	2	2	2	3	3	3	3
	20000ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	2
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROTATING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROLLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	2	1	1	2
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	1
	20000ppm	0	0	0	0	0	0	0	0	0	1	1	1	2	1

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : FEMALE

PAGE : 40

Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
DEATH	Control	21	22	24	24	24	25
	5000ppm	12	12	12	13	14	15
	10000ppm	12	12	12	14	14	15
	20000ppm	11	11	12	13	14	14
MORIBUND SACRIFICE	Control	1	1	1	1	1	1
	5000ppm	1	1	1	1	1	1
	10000ppm	3	3	3	3	3	3
	20000ppm	2	2	2	2	2	2
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
HUNCHBACK POSITION	Control	0	0	0	0	1	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	1	1	0	1	1
	20000ppm	0	0	0	0	0	0
ROTATING	Control	0	0	0	0	0	0
	5000ppm	1	1	1	1	1	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
ROLLING	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
ABNORMAL GAIT	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
PILOERECTION	Control	2	1	1	1	1	0
	5000ppm	0	0	1	0	1	0
	10000ppm	1	2	2	0	2	2
	20000ppm	1	1	1	1	0	0

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : FEMALE

PAGE : 41

Clinical sign	Group Name	Administration Week-day													
		1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPIHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	1	1	1	1	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. PERI-MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 42

Clinical sign	Group Name	Administration Week-day				18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
		15-7	16-7	17-7												
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. PERI-MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : FEMALE

PAGE : 43

Clinical sign	Group Name	Administration Week-day													
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	1	1	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
INTERNAL MASS	Control	1	1	1	1	1	1	1	1	1	1	0	0	0	0
	5000ppm	0	0	0	0	0	1	1	1	1	1	1	1	1	1
	10000ppm	1	1	1	1	1	1	1	1	1	1	1	2	2	2
	20000ppm	0	0	0	0	0	1	1	1	1	1	1	1	1	1
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. PERI-MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 44

Clinical sign	Group Name	Administration Week-day													
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	1	1	1	1	2	1	1	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	1	1	1	1	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	5000ppm	1	1	1	1	1	2	2	2	2	1	1	0	0	0
	10000ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	20000ppm	1	1	1	1	1	0	0	0	0	0	0	0	1	1
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. PERT-MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Crlj[Crlj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : FEMALE

PAGE : 45

Clinical sign	Group Name	Administration Week-day				60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		57-7	58-7	59-7												
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1
	20000ppm	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. PERI-MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 46

Clinical sign	Group Name	Administration Week-day													
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
FROG BELLY	Control	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10000ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	1	1	1	2	2	2	2	2	2	2	3	3	4	3
	5000ppm	1	0	2	2	2	2	3	4	4	3	3	5	5	5
	10000ppm	3	2	3	3	3	3	4	3	3	3	3	2	2	1
	20000ppm	0	0	1	1	1	1	0	1	2	1	1	2	2	2
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. PERI-MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 47

Clinical sign	Group Name	Administration Week-day													
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
FROG BELLY	Control	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	1	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	5000ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10000ppm	1	1	1	1	1	1	1	1	2	2	1	1	1	1
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
INTERNAL MASS	Control	4	6	6	4	5	5	5	5	4	6	5	4	4	4
	5000ppm	4	5	6	7	7	7	5	5	4	4	6	6	4	5
	10000ppm	1	2	4	7	6	6	6	5	5	4	4	3	3	2
	20000ppm	3	3	2	2	3	3	3	2	2	1	1	1	1	2
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. PERI-MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
M. ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : FEMALE

PAGE : 48

Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
FROG BELLY	Control	0	0	0	0	0	0
	5000ppm	0	0	1	1	1	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	1	1
	20000ppm	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	1	1	1	1	1	1
GUM	Control	0	0	0	0	1	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
EXTERNAL MASS	Control	1	0	0	0	0	0
	5000ppm	2	3	5	5	4	4
	10000ppm	1	1	1	1	1	1
	20000ppm	1	1	1	2	2	2
INTERNAL MASS	Control	5	5	4	4	6	5
	5000ppm	6	6	5	4	4	4
	10000ppm	2	2	2	2	4	3
	20000ppm	3	3	2	1	1	1
M. EYE	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	1	1	1
M. PERI-MOUTH	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	1	1	1	1	1	1
M. ORAL CAVITY	Control	0	0	0	0	0	0
	5000ppm	1	1	1	1	1	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 49

Clinical sign	Group Name	Administration Week-day													
		1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
M. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/CrLi[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : FEMALE

PAGE : 50

Clinical sign	Group Name	Administration Week-day													
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
M. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : FEMALE

PAGE : 51

Clinical sign	Group Name	Administration Week-day													
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
M. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 52

Clinical sign	Group Name	Administration Week-day													
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
M. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. LIMBLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	1	1	1	1	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	1	1	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : FEMALE

PAGE : 53

Clinical sign	Group Name	Administration Week-day													
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
M. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : FEMALE

PAGE : 54

Clinical sign	Group Name	Administration Week-day													
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
M. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 55

Clinical sign	Group Name	Administration Week-day													
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
M. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	1	1	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	1	0	0	0	0	0	0	0	1	0	0	1
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : FEMALE

PAGE : 56

Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
M. NECK	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	1	1	1	1	1	0
	20000ppm	0	0	0	0	0	0
M. BREAST	Control	0	0	0	0	0	0
	5000ppm	0	1	1	1	0	1
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
M. ABDOMEN	Control	0	0	0	0	0	0
	5000ppm	0	0	1	1	1	1
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
M. POSTERIOR DORSUM	Control	0	0	0	0	0	0
	5000ppm	1	1	1	1	1	1
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
M. HINDLIMB	Control	1	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
M. GENITALIA	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	1
	20000ppm	0	0	0	0	0	0
M. ANUS	Control	0	0	0	0	0	0
	5000ppm	0	0	1	1	1	1
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
M. TAIL	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crl:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : FEMALE

PAGE : 57

Clinical sign	Group Name	Administration Week-day													
		1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRIAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OLIGO-STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	3	1	0	0	0	0	0	0	0	1	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	5000ppm	50	50	50	50	50	50	49	50	50	50	50	50	50	50
	10000ppm	50	50	50	50	50	50	49	49	49	49	50	50	49	50
	20000ppm	47	49	50	50	50	50	50	50	50	49	50	50	50	50

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : FEMALE

PAGE : 58

Clinical sign	Group Name	Administration Week-day													
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	1	1	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OLIGO-STOOL	Control	0	0	0	0	0	0	1	1	1	1	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	20000ppm	0	0	0	0	0	1	1	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	49	49	49	49	49	49	49	49	49	49	49	49	49	49
	5000ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	10000ppm	50	50	49	49	49	49	49	48	48	49	49	49	48	48
	20000ppm	50	50	50	50	50	49	49	50	50	50	50	50	50	50

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr-lj[Crj:BDF1]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 59

Clinical sign	Group Name	Administration Week-day													
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRIAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	1	1	1	1	1	1	1	1	1	1	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OLIGO-STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	10000ppm	1	1	1	1	1	1	1	2	2	1	1	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	49	49	49	49	49	49	49	49	49	49	49	48	48	48
	5000ppm	50	50	50	50	50	49	49	49	49	48	49	49	49	49
	10000ppm	48	48	48	48	48	48	48	47	47	47	47	46	46	46
	20000ppm	50	50	50	50	50	49	49	49	49	49	49	49	49	48

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : FEMALE

PAGE : 60

Clinical sign	Group Name	Administration Week-day													
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRIAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	1	2	2	2	2	2	2	2
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	1	1	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	20000ppm	0	0	0	1	0	0	0	0	0	0	0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	1	1	2	1	0	0	0	0	0	0	0	0	1
OLIGO-STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	10000ppm	1	1	1	1	1	2	1	1	1	0	0	0	0	0
	20000ppm	0	0	0	1	0	0	1	1	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	48	48	47	47	47	47	47	46	46	46	46	46	46	46
	5000ppm	49	49	49	49	49	48	47	47	47	48	48	48	48	48
	10000ppm	45	45	45	46	46	45	46	46	45	46	46	46	46	46
	20000ppm	48	47	47	47	47	47	46	46	46	46	45	45	44	44

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 61

Clinical sign	Group Name	Administration Week-day				60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
		57-7	58-7	59-7												
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRIAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
OLIGO-STOOL	Control	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	20000ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	46	46	46	46	46	45	45	45	45	45	45	45	45	44	44
	5000ppm	48	47	47	47	47	47	47	47	47	47	47	47	47	47	47
	10000ppm	46	46	46	46	46	46	46	46	47	47	47	47	47	47	47
	20000ppm	44	44	44	44	44	44	44	44	44	44	44	43	43	43	43

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Cxj:BDF1]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 62

Clinical sign	Group Name	Administration Week-day													
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5000ppm	0	0	0	0	0	0	0	0	1	2	2	2	2	2
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	2	1	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	1	1	1	1	1	0	0	0
OLIGO-STOOL	Control	0	0	0	1	1	0	0	0	0	1	1	1	1	1
	5000ppm	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	1	1	0	1	0	0	0	0
	20000ppm	0	0	0	2	2	1	1	1	1	1	1	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	44	44	42	41	41	41	41	41	41	40	39	38	36	35
	5000ppm	46	46	44	45	44	44	43	42	41	42	42	40	39	39
	10000ppm	45	46	45	45	45	45	41	41	41	40	41	41	41	41
	20000ppm	43	43	42	41	41	42	41	40	39	40	40	39	39	39

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 63

Clinical sign	Group Name	Administration Week-day													
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	1	0	0	0	1	1	1	1	1	1	1	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5000ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IRREGULAR BREATHING	Control	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	2	0	0	0	0	0	0	0	1	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
SMALL STOOL	Control	0	0	2	0	0	0	0	0	0	0	1	0	0	1
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
OLIGO-STOOL	Control	0	0	1	0	0	0	0	0	0	0	1	0	2	1
	5000ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	10000ppm	0	0	0	1	1	0	0	0	0	0	0	1	1	2
	20000ppm	0	0	0	0	0	0	1	0	1	0	0	0	1	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	20000ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	34	32	31	32	31	31	30	29	29	26	25	25	23	23
	5000ppm	39	38	37	36	35	35	35	35	34	33	31	31	31	30
	10000ppm	41	40	37	35	33	34	34	34	33	34	33	32	31	30
	20000ppm	38	38	38	37	36	35	34	35	35	34	34	34	32	31

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 64

Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
CRUSTA	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	1
TORTICOLLIS	Control	1	1	1	1	1	1
	5000ppm	2	2	2	2	2	1
	10000ppm	0	0	0	0	0	0
	20000ppm	1	1	1	1	1	1
IRREGULAR BREATHING	Control	0	0	0	0	0	0
	5000ppm	0	0	1	0	0	0
	10000ppm	0	1	1	1	1	0
	20000ppm	0	0	0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0
	5000ppm	0	0	1	0	0	0
	10000ppm	0	1	2	0	0	0
	20000ppm	0	0	0	0	0	0
OLIGO-STOOL	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	2	2	3	1	2	2
	20000ppm	0	0	1	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0
	5000ppm	0	0	0	0	0	0
	10000ppm	0	0	0	0	0	0
	20000ppm	0	0	0	0	0	0
NON REMARKABLE	Control	21	20	19	19	17	18
	5000ppm	28	27	26	26	26	25
	10000ppm	30	30	29	29	27	28
	20000ppm	30	30	29	30	30	29

APPENDIX C 1

BODY WEIGHT CHANGES : MALE

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 1

Group Name	Administration week						
	0	1	2	3	4	5	6
Control	23.8± 0.9	24.4± 1.0	25.3± 1.0	26.2± 1.0	27.2± 1.1	27.8± 1.1	28.6± 1.2
5000ppm	23.8± 0.9	24.4± 1.0	25.4± 1.2	26.2± 1.2	27.1± 1.3	27.7± 1.4	28.5± 1.4
10000ppm	23.8± 0.9	24.0± 1.4	24.9± 1.3	25.7± 1.4	26.4± 1.5**	27.0± 1.4**	27.5± 1.8**
20000ppm	23.8± 0.9	23.0± 1.8**	24.0± 1.1**	24.8± 1.1**	25.7± 1.1**	26.1± 1.1**	26.6± 1.4**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 2

Group Name	Administration week						
	7	8	9	10	11	12	13
Control	29.4± 1.5	30.2± 1.6	30.8± 1.7	31.5± 2.0	32.2± 2.0	32.7± 2.1	33.7± 2.1
5000ppm	29.0± 1.5	30.0± 1.6	30.4± 1.8	31.4± 1.9	31.9± 2.0	32.5± 2.1	33.2± 2.1
10000ppm	27.9± 1.7**	28.6± 1.8**	29.1± 2.1**	29.9± 2.3**	30.3± 2.4**	30.9± 2.5**	31.5± 2.6**
20000ppm	27.0± 1.3**	27.3± 1.4**	27.6± 1.5**	28.1± 2.1**	28.2± 2.1**	28.6± 2.4**	29.1± 2.6**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : AI 104
 SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 3

Group Name	Administration week						
	17	21	25	29	33	37	41
Control	35.5± 2.6	37.6± 2.9	39.1± 3.1	41.3± 3.4	42.6± 3.9	44.2± 4.1	45.4± 4.3
5000ppm	35.9± 2.4	37.4± 2.7	39.7± 3.0	41.6± 3.4	43.1± 3.7	44.2± 3.8	45.6± 3.9
10000ppm	33.4± 2.9**	34.8± 3.3**	36.3± 3.5**	37.7± 3.8**	38.6± 4.0**	39.4± 4.0**	40.4± 4.2**
20000ppm	30.4± 2.9**	30.6± 3.3**	31.3± 3.0**	32.8± 3.2**	33.9± 3.2**	34.5± 3.4**	35.4± 3.5**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 4

Group Name	Administration week						
	45	49	53	57	61	65	69
Control	46.4± 4.4	47.2± 4.4	47.6± 4.4	47.9± 4.5	48.4± 4.9	48.7± 5.3	49.3± 5.4
5000ppm	46.6± 4.0	47.6± 4.0	48.3± 4.1	49.0± 4.0	49.6± 4.1	50.2± 4.3	50.8± 4.5
10000ppm	41.0± 4.5**	41.6± 4.4**	42.1± 4.7**	42.5± 4.8**	43.1± 4.9**	43.1± 5.1**	43.7± 5.2**
20000ppm	35.4± 3.9**	36.1± 3.9**	36.1± 4.1**	36.5± 4.0**	36.6± 4.3**	36.6± 4.5**	36.7± 4.9**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 5

Group Name	Administration week						
	73	77	78	82	86	90	94
Control	48.9± 6.5	48.4± 8.4	49.8± 6.8	49.8± 7.1	50.1± 7.7	50.6± 7.7	50.4± 7.7
5000ppm	50.8± 4.5	50.9± 5.0	51.0± 5.2	51.0± 5.6	51.5± 5.9	51.4± 6.9	50.9± 7.5
10000ppm	43.7± 5.4**	43.5± 5.7**	43.7± 5.8**	43.6± 5.8**	43.5± 5.9**	43.7± 6.1**	43.7± 6.0**
20000ppm	36.6± 4.8**	35.9± 5.3**	36.5± 4.4**	36.3± 4.9**	35.8± 5.1**	36.2± 4.8**	36.5± 4.8**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

PAGE : 6

Group Name	Administration week		
	98	102	104
Control	50.0± 8.2	48.1± 8.4	48.5± 7.8
5000ppm	49.5± 7.9	48.9± 7.5	47.7± 7.9
10000ppm	42.9± 5.7**	42.0± 5.3**	40.9± 5.8**
20000ppm	35.9± 5.4**	35.1± 4.6**	35.2± 4.7**

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

Test of Dunnett

(HAN260)

BAIS 4

APPENDIX C 2

BODY WEIGHT CHANGES : FEMALE

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 7

Group Name	Administration week						
	0	1	2	3	4	5	6
Control	19.5± 0.8	19.9± 0.9	20.4± 0.9	21.0± 0.9	21.7± 1.1	22.3± 1.2	22.7± 1.1
5000ppm	19.5± 0.8	19.8± 0.9	20.4± 0.9	21.0± 1.0	21.6± 1.1	22.0± 1.0	22.6± 1.2
10000ppm	19.5± 0.8	19.8± 0.9	20.3± 0.9	21.0± 1.0	21.6± 1.1	22.0± 1.0	22.5± 1.0
20000ppm	19.5± 0.8	18.4± 1.5**	19.6± 1.1**	20.5± 0.8*	21.2± 0.9	21.4± 1.0**	21.9± 1.1**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 8

Group Name	Administration week						
	7	8	9	10	11	12	13
Control	23.3± 1.2	23.7± 1.5	24.3± 1.5	24.4± 1.3	24.7± 1.4	24.9± 1.7	25.6± 1.7
5000ppm	23.2± 1.4	23.6± 1.5	24.1± 1.3	24.5± 1.5	24.5± 1.4	24.7± 1.5	25.3± 1.6
10000ppm	23.0± 1.0	23.3± 1.2	24.1± 1.5	24.2± 1.3	24.5± 1.3	24.5± 1.4	24.7± 1.7*
20000ppm	22.4± 1.0**	22.7± 1.2**	23.2± 1.2**	23.2± 1.4**	23.5± 1.3**	23.7± 1.1**	23.9± 1.1**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 9

Group Name	Administration week						
	17	21	25	29	33	37	41
Control	26.6± 2.3	27.8± 2.5	28.7± 2.5	29.7± 2.6	31.1± 3.2	31.3± 3.7	32.7± 3.8
5000ppm	26.6± 1.9	27.8± 2.3	28.1± 2.4	29.4± 2.4	30.1± 2.9	31.2± 3.1	31.8± 2.9
10000ppm	25.7± 1.5	26.8± 2.1*	27.4± 2.3*	28.3± 2.8*	28.7± 3.2**	29.4± 3.3*	29.9± 3.1**
20000ppm	24.7± 1.4**	24.9± 1.5**	25.2± 1.5**	26.1± 1.8**	25.9± 1.8**	26.3± 1.8**	26.2± 2.0**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 10

Group Name	Administration week						
	45	49	53	57	61	65	69
Control	33.2± 3.8	33.7± 3.8	34.1± 3.6	34.5± 3.9	34.7± 3.8	35.1± 4.0	35.4± 4.1
5000ppm	32.6± 3.0	33.3± 3.4	33.6± 3.6	34.3± 4.8	34.3± 3.8	34.8± 3.9	35.2± 4.1
10000ppm	30.5± 3.5**	30.9± 3.6**	31.7± 3.4**	31.8± 3.3**	32.1± 3.7**	32.4± 3.7**	32.8± 3.9**
20000ppm	26.3± 1.9**	26.8± 2.4**	26.8± 2.6**	27.3± 2.7**	27.2± 2.8**	27.2± 2.3**	27.7± 2.3**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 11

Group Name	Administration week						
	73	77	78	82	86	90	94
Control	35.5± 5.0	35.7± 4.2	35.9± 4.2	35.6± 4.8	36.4± 4.6	36.5± 4.4	36.1± 4.7
5000ppm	35.0± 3.8	35.1± 3.8	35.2± 4.0	35.5± 4.2	35.7± 4.5	36.4± 4.5	35.4± 3.9
10000ppm	32.7± 3.7**	33.0± 4.8**	32.8± 4.5**	33.1± 4.6*	33.1± 4.4**	33.4± 4.3**	33.5± 4.7*
20000ppm	27.5± 2.3**	27.3± 2.8**	27.3± 2.7**	28.0± 3.0**	27.9± 3.0**	27.9± 2.6**	27.8± 2.9**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

PAGE : 12

Group Name	Administration week		
	98	102	104
Control	35.5± 5.8	34.4± 5.7	34.7± 5.5
5000ppm	35.1± 3.9	34.6± 3.8	34.7± 4.0
10000ppm	32.7± 5.2	32.5± 4.4	32.0± 4.4
20000ppm	27.8± 2.9**	27.2± 3.2**	27.4± 2.8**

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

Test of Dunnett

(HAN260)

BAIS 4

APPENDIX D 1

FOOD CONSUMPTION CHANGES : MALE

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 1

Group Name	Administration week						
	1	2	3	4	5	6	7
Control	4.1± 0.2	3.9± 0.3	4.0± 0.3	4.1± 0.3	4.1± 0.3	4.1± 0.3	4.1± 0.3
5000ppm	4.0± 0.3	3.9± 0.3	3.9± 0.4	4.0± 0.3	4.0± 0.3	4.0± 0.3	4.0± 0.3
10000ppm	3.8± 0.4**	3.8± 0.4*	3.8± 0.4*	3.9± 0.4*	4.0± 0.3	3.9± 0.4*	3.9± 0.4*
20000ppm	3.3± 0.4**	3.6± 0.3**	3.7± 0.3**	3.8± 0.3**	3.8± 0.3**	3.7± 0.3**	3.7± 0.2**

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

Test of Dunnett

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 2

Group Name	Administration week						
	8	9	10	11	12	13	17
Control	4.2± 0.3	4.1± 0.3	4.1± 0.3	4.2± 0.3	4.3± 0.3	4.3± 0.3	4.1± 0.3
5000ppm	4.2± 0.3	4.1± 0.3	4.1± 0.3	4.2± 0.3	4.4± 0.5	4.3± 0.3	4.2± 0.3*
10000ppm	4.0± 0.4	4.1± 0.4	4.1± 0.4	4.2± 0.3	4.3± 0.3	4.3± 0.3	4.2± 0.3
20000ppm	3.7± 0.3**	3.7± 0.3**	3.8± 0.6**	4.0± 0.3**	4.0± 0.3**	3.9± 0.2**	3.8± 0.4**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 3

Group Name	Administration week						
	21	25	29	33	37	41	45
Control	4.2± 0.3	4.1± 0.4	4.3± 0.3	4.2± 0.3	4.3± 0.3	4.5± 0.3	4.5± 0.3
5000ppm	4.2± 0.3	4.2± 0.3	4.3± 0.3	4.2± 0.3	4.2± 0.3	4.4± 0.3	4.5± 0.3
10000ppm	4.1± 0.4	4.0± 0.3*	4.0± 0.4**	3.9± 0.3**	4.0± 0.3**	4.2± 0.3**	4.2± 0.4**
20000ppm	3.7± 0.3**	3.7± 0.3**	3.8± 0.3**	3.6± 0.3**	3.7± 0.3**	3.9± 0.3**	3.8± 0.4**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/CrLj[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 4

Group Name	Administration week						
	49	53	57	61	65	69	73
Control	4.5± 0.3	4.5± 0.3	4.6± 0.3	4.6± 0.3	4.7± 0.3	4.6± 0.4	4.6± 0.5
5000ppm	4.5± 0.3	4.6± 0.3	4.7± 0.3	4.7± 0.3	4.7± 0.3	4.6± 0.4	4.6± 0.3
10000ppm	4.2± 0.3**	4.3± 0.4**	4.4± 0.3**	4.4± 0.4**	4.3± 0.4**	4.3± 0.4**	4.3± 0.4**
20000ppm	3.8± 0.3**	3.9± 0.4**	4.0± 0.3**	3.9± 0.3**	3.9± 0.3**	3.8± 0.5**	3.9± 0.4**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 5

Group Name	Administration week						
	77	78	82	86	90	94	98
Control	4.5± 0.8	4.7± 0.3	4.8± 0.4	4.8± 0.5	5.0± 0.4	4.8± 0.5	4.8± 0.4
5000ppm	4.6± 0.4	4.7± 0.5	4.7± 0.8	4.9± 0.6	5.0± 0.7	4.7± 0.5	4.7± 0.6
10000ppm	4.3± 0.4**	4.3± 0.4**	4.3± 0.5**	4.4± 0.4**	4.5± 0.3**	4.3± 0.5**	4.3± 0.4**
20000ppm	3.8± 0.4**	3.8± 0.4**	3.9± 0.5**	3.9± 0.5**	3.9± 0.4**	4.1± 0.5**	3.9± 0.5**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

PAGE : 6

Group Name	Administration week	
	102	104
Control	4.8± 0.5	4.7± 0.5
5000ppm	4.8± 0.6	4.5± 0.8
10000ppm	4.3± 0.4**	4.2± 0.7**
20000ppm	4.0± 0.4**	4.0± 0.4**

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

Test of Dunnett

(HAN260)

BAIS 4

APPENDIX D 2

FOOD CONSUMPTION CHANGES : FEMALE

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 7

Group Name	Administration week						
	1	2	3	4	5	6	7
Control	3.4± 0.3	3.3± 0.2	3.3± 0.2	3.4± 0.2	3.5± 0.2	3.5± 0.2	3.6± 0.2
5000ppm	3.3± 0.3	3.3± 0.2	3.3± 0.2	3.4± 0.2	3.5± 0.2	3.5± 0.2	3.6± 0.2
10000ppm	3.2± 0.2**	3.3± 0.2	3.3± 0.2	3.4± 0.2	3.5± 0.2	3.5± 0.2	3.6± 0.2
20000ppm	2.6± 0.4**	3.2± 0.2	3.1± 0.2**	3.3± 0.2**	3.3± 0.2**	3.3± 0.2**	3.4± 0.2**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 8

Group Name	Administration week						
	8	9	10	11	12	13	17
Control	3.6± 0.3	3.7± 0.3	3.7± 0.2	3.8± 0.2	3.9± 0.3	3.8± 0.3	3.7± 0.3
5000ppm	3.6± 0.3	3.7± 0.3	3.8± 0.3	3.7± 0.2	3.9± 0.3	3.9± 0.3	3.8± 0.3
10000ppm	3.7± 0.2	3.8± 0.3	3.7± 0.3	3.8± 0.2	3.9± 0.3	3.9± 0.5	3.7± 0.3
20000ppm	3.4± 0.3**	3.5± 0.3**	3.5± 0.3**	3.6± 0.3**	3.7± 0.2**	3.7± 0.3**	3.5± 0.3

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

Test of Dunnett

(HAN260)

BATS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 9

Group Name	Administration week						
	21	25	29	33	37	41	45
Control	3.8± 0.3	3.7± 0.4	3.8± 0.4	3.7± 0.3	3.6± 0.4	4.0± 0.5	4.0± 0.4
5000ppm	3.9± 0.3	3.6± 0.4	3.8± 0.4	3.6± 0.4	3.7± 0.4	3.9± 0.5	4.0± 0.4
10000ppm	3.8± 0.3	3.6± 0.4	3.7± 0.4	3.5± 0.4**	3.7± 0.4	3.7± 0.4**	3.7± 0.4*
20000ppm	3.5± 0.3**	3.2± 0.3**	3.5± 0.3**	3.3± 0.3**	3.4± 0.3**	3.4± 0.3**	3.5± 0.3**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 10

Group Name	Administration week						
	49	53	57	61	65	69	73
Control	3.9± 0.5	4.1± 0.4	4.2± 0.5	4.0± 0.4	4.2± 0.4	4.0± 0.4	3.9± 0.5
5000ppm	3.9± 0.4	3.9± 0.5	4.1± 0.4	4.0± 0.5	4.2± 0.4	4.1± 0.5	4.0± 0.4
10000ppm	3.8± 0.4	4.0± 0.4	4.0± 0.4*	3.9± 0.4	3.9± 0.4**	3.9± 0.5	3.9± 0.5
20000ppm	3.5± 0.4**	3.6± 0.4**	3.7± 0.4**	3.5± 0.3**	3.6± 0.3**	3.5± 0.4**	3.5± 0.4**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 11

Group Name	Administration week	77	78	82	86	90	94	98
Control		4.2± 0.4	4.1± 0.5	4.2± 0.8	4.4± 0.8	4.4± 0.6	4.3± 0.7	4.3± 1.0
5000ppm		4.0± 0.5	3.9± 0.5	4.1± 0.5	4.1± 0.6	4.4± 0.6	4.1± 0.6	4.3± 0.6
10000ppm		3.9± 0.6	3.7± 0.5**	4.0± 0.6*	4.0± 0.7	4.1± 0.6	4.1± 0.5	4.0± 0.6
20000ppm		3.6± 0.4**	3.5± 0.4**	3.8± 0.4**	3.9± 0.7**	3.8± 0.6**	3.8± 0.5**	3.9± 0.4**

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

Test of Dunnett

(HAN260)

BATS 4

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

PAGE : 12

Group Name	Administration week	
	102	104
Control	4.4± 0.7	4.5± 0.8
5000ppm	4.3± 0.6	4.2± 0.6
10000ppm	4.1± 0.4	3.8± 0.5**
20000ppm	3.8± 0.5**	3.8± 0.4**

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

Test of Dunnett

(HAN260)

BAIS 4

APPENDIX E 1

WATER CONSUMPTION CHANGES : MALE

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : MALE

WATER CONSUMPTION CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 1

Group Name	Administration week						
	1	2	3	4	5	6	7
Control	5.1± 1.3	5.0± 1.1	5.2± 1.2	5.0± 1.2	4.8± 0.9	4.6± 0.8	4.6± 1.2
5000ppm	4.5± 0.9*	4.5± 1.2*	4.6± 1.2*	4.5± 1.1	4.5± 1.1	4.5± 1.0	4.3± 1.0
10000ppm	3.6± 0.8**	3.7± 1.2**	3.9± 1.3**	3.7± 1.2**	3.9± 1.1**	3.9± 1.0**	3.7± 1.0**
20000ppm	3.0± 0.6**	2.7± 0.6**	3.0± 0.6**	2.8± 0.6**	2.9± 0.5**	2.8± 0.5**	2.8± 0.6**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : MALE

WATER CONSUMPTION CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 2

Group Name	Administration week						
	8	9	10	11	12	13	17
Control	4.5± 0.9	4.5± 1.2	4.6± 1.2	4.4± 1.0	4.3± 1.0	4.0± 0.8	4.0± 0.8
5000ppm	4.3± 0.8	4.3± 0.9	4.3± 0.8	4.4± 1.2	4.1± 1.0	4.0± 0.8	3.8± 0.6
10000ppm	3.6± 0.9**	3.7± 1.0**	3.7± 0.9**	3.6± 0.8**	3.5± 0.7**	3.4± 0.8**	3.2± 0.6**
20000ppm	2.7± 0.5**	2.7± 0.4**	2.8± 0.5**	2.8± 0.5**	2.7± 0.5**	2.7± 0.5**	2.6± 0.6**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : MALE

WATER CONSUMPTION CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 3

Group Name	Administration week						
	21	25	29	33	37	41	45
Control	4.2± 0.7	3.9± 0.5	3.9± 0.4	3.9± 0.4	3.8± 0.4	3.8± 0.4	4.0± 0.4
5000ppm	4.0± 0.6	3.8± 0.4	3.6± 0.4**	3.6± 0.4**	3.6± 0.4*	3.7± 0.3	3.7± 0.4**
10000ppm	3.4± 0.6**	3.2± 0.5**	3.0± 0.5**	3.1± 0.5**	2.9± 0.4**	3.0± 0.4**	3.1± 0.4**
20000ppm	2.9± 0.6**	2.7± 0.4**	2.5± 0.4**	2.7± 0.4**	2.5± 0.3**	2.6± 0.3**	2.7± 0.4**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : MALE

WATER CONSUMPTION CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 4

Group Name	Administration week						
	49	53	57	61	65	69	73
Control	4.1± 0.4	4.1± 0.5	4.2± 0.5	4.2± 0.5	4.4± 0.5	4.4± 0.6	4.5± 0.7
5000ppm	3.8± 0.4*	3.8± 0.4**	3.9± 0.4**	3.8± 0.4**	4.0± 0.4**	4.1± 0.4*	4.0± 0.5**
10000ppm	3.2± 0.4**	3.2± 0.4**	3.2± 0.4**	3.3± 0.5**	3.5± 0.3**	3.5± 0.4**	3.5± 0.4**
20000ppm	2.8± 0.4**	2.7± 0.4**	2.8± 0.5**	2.6± 0.4**	2.9± 0.4**	2.8± 0.6**	3.0± 0.5**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : MALE

WATER CONSUMPTION CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 5

Group Name	Administration week						
	77	78	82	86	90	94	98
Control	4.6± 1.1	4.7± 0.9	4.5± 0.7	4.6± 1.2	4.5± 0.7	4.5± 0.8	4.8± 1.3
5000ppm	4.2± 0.6*	4.3± 0.6**	4.0± 0.7**	4.3± 0.8	4.1± 0.6**	4.0± 0.6**	4.2± 0.9*
10000ppm	3.6± 0.5**	3.7± 0.4**	3.5± 0.6**	3.8± 0.5**	3.8± 0.6**	3.6± 0.5**	3.8± 0.5**
20000ppm	3.1± 0.6**	3.2± 0.5**	2.9± 0.6**	3.0± 0.5**	3.0± 0.5**	3.2± 0.4**	3.2± 1.0**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

WATER CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

PAGE : 6

Group Name	Administration week	
	102	104
Control	4.7± 0.6	4.8± 0.8
5000ppm	4.2± 0.7**	4.1± 1.0**
10000ppm	3.7± 0.5**	3.8± 0.7**
20000ppm	3.1± 0.6**	3.3± 0.5**

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

Test of Dunnett

(HAN260)

BAIS 4

APPENDIX E 2

WATER CONSUMPTION CHANGES : FEMALE

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : FEMALE

WATER CONSUMPTION CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 7

Group Name	Administration week						
	1	2	3	4	5	6	7
Control	4.2± 0.4	4.2± 0.4	4.2± 0.4	4.3± 0.4	4.2± 0.3	4.2± 0.4	4.2± 0.4
5000ppm	3.8± 0.4**	3.7± 0.4**	3.8± 0.4**	3.9± 0.4**	3.8± 0.3**	3.9± 0.4**	3.7± 0.5**
10000ppm	2.9± 0.3**	3.1± 0.4**	3.2± 0.3**	3.3± 0.3**	3.4± 0.4**	3.3± 0.3**	3.3± 0.3**
20000ppm	2.5± 0.5**	2.3± 0.4**	2.5± 0.3**	2.6± 0.3**	2.6± 0.4**	2.6± 0.4**	2.6± 0.3**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : FEMALE

WATER CONSUMPTION CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 8

Group Name	Administration week						
	8	9	10	11	12	13	17
Control	4.3± 0.5	4.4± 0.5	4.4± 0.8	4.2± 0.4	4.3± 0.4	4.2± 0.6	4.2± 0.8
5000ppm	3.8± 0.4**	4.0± 0.4**	4.0± 0.7**	3.8± 0.3**	3.9± 0.6**	3.8± 0.5**	3.7± 0.4**
10000ppm	3.3± 0.4**	3.5± 0.4**	3.4± 0.4**	3.4± 0.3**	3.5± 0.4**	3.2± 0.4**	3.2± 0.4**
20000ppm	2.6± 0.4**	2.8± 0.3**	2.7± 0.4**	2.7± 0.3**	2.8± 0.3**	2.7± 0.4**	2.8± 0.4**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : FEMALE

WATER CONSUMPTION CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 9

Group Name	Administration week						
	21	25	29	33	37	41	45
Control	4.3± 0.6	4.2± 0.9	4.0± 0.5	4.1± 0.9	3.9± 0.6	4.2± 0.5	4.2± 0.6
5000ppm	3.7± 0.4**	3.5± 0.4**	3.4± 0.3**	3.5± 0.4**	3.5± 0.4**	3.5± 0.4**	3.6± 0.3**
10000ppm	3.3± 0.3**	3.0± 0.4**	3.0± 0.4**	2.9± 0.5**	3.0± 0.4**	3.0± 0.4**	3.1± 0.4**
20000ppm	3.0± 0.4**	2.7± 0.4**	2.6± 0.3**	2.6± 0.5**	2.6± 0.4**	2.4± 0.5**	2.5± 0.4**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : FEMALE

WATER CONSUMPTION CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 10

Group Name	Administration week						
	49	53	57	61	65	69	73
Control	4.2± 0.6	4.3± 0.6	4.4± 0.7	4.3± 0.8	4.4± 0.7	4.4± 0.8	4.3± 1.1
5000ppm	3.5± 0.4**	3.5± 0.4**	3.6± 0.4**	3.5± 0.3**	3.6± 0.4**	3.5± 0.4**	3.5± 0.5**
10000ppm	3.0± 0.4**	3.1± 0.3**	3.1± 0.3**	3.0± 0.3**	3.1± 0.3**	3.2± 0.4**	3.0± 0.4**
20000ppm	2.5± 0.4**	2.6± 0.5**	2.6± 0.5**	2.5± 0.5**	2.7± 0.4**	2.7± 0.5**	2.6± 0.5**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Crlj[Crlj:BDF1]
 UNIT : g
 REPORT TYPE : A1 104
 SEX : FEMALE

WATER CONSUMPTION CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 11

Group Name	Administration week						
	77	78	82	86	90	94	98
Control	4.3± 0.7	4.2± 0.9	4.3± 1.2	4.2± 0.8	4.2± 0.8	4.4± 1.5	4.9± 1.6
5000ppm	3.4± 0.5**	3.5± 0.5**	3.4± 0.4**	3.4± 0.5**	3.4± 0.4**	3.4± 0.6**	3.6± 0.7**
10000ppm	3.0± 0.5**	2.9± 0.5**	3.2± 0.6**	3.1± 0.5**	3.1± 0.6**	3.3± 1.2**	3.1± 0.9**
20000ppm	2.7± 0.5**	2.7± 0.5**	2.8± 0.4**	2.7± 0.5**	2.7± 0.6**	2.8± 0.5**	2.9± 0.6**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

WATER CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

PAGE : 12

Group Name	Administration week	
	102	104
Control	4.6± 0.9	4.6± 1.0
5000ppm	3.7± 0.6**	3.8± 0.5**
10000ppm	3.3± 0.7**	3.2± 0.9**
20000ppm	2.9± 0.7**	2.9± 0.6**

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

Test of Dunnett

APPENDIX F 1

CHEMICAL INTAKE CHANGES : MALE

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
UNIT : g/kg/day
REPORT TYPE : AI 104
SEX : MALE

CHEMICAL INTAKE CHANGES (SUMMARY)
ALL ANIMALS

PAGE : 1

Group Name	Administration (weeks)						
	1	2	3	4	5	6	7
Control	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000
5000ppm	0.934± 0.197	0.887± 0.235	0.875± 0.219	0.833± 0.196	0.816± 0.204	0.786± 0.177	0.748± 0.178
10000ppm	1.500± 0.336	1.482± 0.479	1.512± 0.488	1.412± 0.452	1.462± 0.396	1.429± 0.359	1.332± 0.361
20000ppm	2.554± 0.434	2.291± 0.474	2.456± 0.486	2.194± 0.409	2.258± 0.389	2.073± 0.349	2.073± 0.411

(HAN300)

BAIS 4

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
UNIT : g/kg/day
REPORT TYPE : A1 104
SEX : MALE

CHEMICAL INTAKE CHANGES (SUMMARY)
ALL ANIMALS

PAGE : 2

Group Name	Administration (weeks)									
	8	9	10	11	12	13	17			
Control	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000		
5000ppm	0.716± 0.147	0.716± 0.167	0.690± 0.151	0.694± 0.204	0.641± 0.164	0.609± 0.136	0.528± 0.100			
10000ppm	1.270± 0.309	1.277± 0.343	1.246± 0.299	1.200± 0.303	1.134± 0.265	1.093± 0.267	0.957± 0.203			
20000ppm	2.001± 0.314	1.981± 0.295	1.955± 0.379	1.948± 0.389	1.858± 0.297	1.845± 0.336	1.689± 0.373			

(HAN300)

BAIS 4

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
UNIT : g/kg/d a y
REPORT TYPE : A1 104
SEX : MALE

CHEMICAL INTAKE CHANGES (SUMMARY)
ALL ANIMALS

PAGE : 3

Group Name	Administration (weeks)													
	21		25		29		33		37		41		45	
Control	0.000 ±	0.000	0.000 ±	0.000	0.000 ±	0.000	0.000 ±	0.000	0.000 ±	0.000	0.000 ±	0.000	0.000 ±	0.000
5000ppm	0.539 ±	0.096	0.477 ±	0.065	0.437 ±	0.058	0.421 ±	0.060	0.407 ±	0.055	0.411 ±	0.054	0.397 ±	0.050
10000ppm	0.986 ±	0.183	0.897 ±	0.171	0.810 ±	0.139	0.800 ±	0.147	0.743 ±	0.127	0.755 ±	0.116	0.761 ±	0.120
20000ppm	1.920 ±	0.402	1.755 ±	0.309	1.558 ±	0.266	1.575 ±	0.266	1.483 ±	0.246	1.502 ±	0.260	1.559 ±	0.273

(HAN300)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/CrJ[CrJ:BDF1]
 UNIT : g/kg/day
 REPORT TYPE : A1 104
 SEX : MALE

CHEMICAL INTAKE CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 4

Group Name	Administration (weeks)									
	49	53	57	61	65	69	73			
Control	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000		
5000ppm	0.406± 0.052	0.398± 0.058	0.398± 0.051	0.386± 0.050	0.399± 0.059	0.401± 0.052	0.398± 0.063			
10000ppm	0.776± 0.123	0.775± 0.106	0.766± 0.114	0.765± 0.113	0.808± 0.105	0.800± 0.100	0.814± 0.109			
20000ppm	1.593± 0.294	1.492± 0.245	1.539± 0.296	1.454± 0.272	1.600± 0.220	1.560± 0.382	1.657± 0.350			

(HAN300)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g/kg/day
 REPORT TYPE : A1 104
 SEX : MALE

CHEMICAL INTAKE CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 5

Group Name	Administration (weeks)									
	77	78	82	86	90	94	98			
Control	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000		
5000ppm	0.421± 0.073	0.421± 0.073	0.391± 0.076	0.420± 0.107	0.400± 0.095	0.396± 0.090	0.428± 0.115			
10000ppm	0.849± 0.144	0.852± 0.129	0.824± 0.171	0.877± 0.166	0.886± 0.218	0.843± 0.157	0.887± 0.132			
20000ppm	1.774± 0.493	1.748± 0.313	1.597± 0.276	1.670± 0.307	1.689± 0.278	1.774± 0.265	1.809± 0.495			

(HAN300)

BAIS 4

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
UNIT : g/kg/day
REPORT TYPE : A1 104
SEX : MALE

CHEMICAL INTAKE CHANGES (SUMMARY)
ALL ANIMALS

PAGE : 6

Group Name	Administration (weeks)	
	102	104
Control	0.000 ± 0.000	0.000 ± 0.000
5000ppm	0.435 ± 0.095	0.442 ± 0.134
10000ppm	0.893 ± 0.136	0.931 ± 0.187
20000ppm	1.755 ± 0.307	1.904 ± 0.337

(HAN300)

BAIS 4

APPENDIX F 2

CHEMICAL INTAKE CHANGES : FEMALE

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
UNIT : g/kg/day
REPORT TYPE : A1 104
SEX : FEMALE

CHEMICAL INTAKE CHANGES (SUMMARY)
ALL ANIMALS

PAGE : 7

Group Name	Administration (weeks)									
	1	2	3	4	5	6	7			
Control	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000		
5000ppm	0.950± 0.084	0.917± 0.091	0.897± 0.103	0.907± 0.100	0.864± 0.082	0.862± 0.091	0.806± 0.118			
10000ppm	1.489± 0.147	1.519± 0.173	1.521± 0.154	1.518± 0.163	1.527± 0.198	1.463± 0.154	1.430± 0.140			
20000ppm	2.706± 0.400	2.323± 0.335	2.401± 0.287	2.423± 0.232	2.421± 0.318	2.416± 0.385	2.320± 0.265			

(HAN300)

BAIS 4

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Cri:BDF1]
UNIT : g/kg/day
REPORT TYPE : AI 104
SEX : FEMALE

CHEMICAL INTAKE CHANGES (SUMMARY)
ALL ANIMALS

PAGE : 8

Group Name	Administration (weeks)		9	10	11	12	13	17
	8							
Control	0.000± 0.000		0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000
5000ppm	0.804± 0.090		0.825± 0.088	0.820± 0.152	0.783± 0.081	0.790± 0.118	0.754± 0.105	0.702± 0.091
10000ppm	1.438± 0.178		1.438± 0.179	1.415± 0.159	1.387± 0.148	1.432± 0.206	1.313± 0.163	1.248± 0.151
20000ppm	2.324± 0.296		2.447± 0.301	2.297± 0.321	2.293± 0.269	2.326± 0.290	2.241± 0.325	2.289± 0.294

(HAN300)

BAIS 4

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
UNIT : g/kg/day
REPORT TYPE : A1 104
SEX : FEMALE

CHEMICAL INTAKE CHANGES (SUMMARY)
ALL ANIMALS

PAGE : 9

Group Name	Administration (weeks)						
	21	25	29	33	37	41	45
Control	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000
5000ppm	0.672± 0.100	0.629± 0.092	0.585± 0.084	0.587± 0.097	0.562± 0.094	0.561± 0.080	0.564± 0.080
10000ppm	1.245± 0.135	1.112± 0.131	1.055± 0.160	1.028± 0.161	1.045± 0.167	0.998± 0.133	1.009± 0.139
20000ppm	2.405± 0.295	2.135± 0.347	2.015± 0.258	2.006± 0.394	2.018± 0.351	1.819± 0.345	1.937± 0.297

(HAN300)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 UNIT : g/kg/day
 REPORT TYPE : A1 104
 SEX : FEMALE

CHEMICAL INTAKE CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 10

Group Name	Administration (weeks)									
	49	53	57	61	65	69	73			
Control	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000	0.000± 0.000		
5000ppm	0.533± 0.091	0.531± 0.089	0.533± 0.097	0.523± 0.083	0.526± 0.079	0.508± 0.074	0.499± 0.099			
10000ppm	0.978± 0.143	0.998± 0.131	0.970± 0.130	0.933± 0.116	0.979± 0.128	0.985± 0.126	0.935± 0.141			
20000ppm	1.890± 0.268	1.952± 0.333	1.915± 0.327	1.868± 0.343	2.017± 0.315	1.931± 0.347	1.860± 0.327			

(HAN300)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Cri:BDF1]
 UNIT : g/kg/day
 REPORT TYPE : AI 104
 SEX : FEMALE

CHEMICAL INTAKE CHANGES (SUMMARY)
 ALL ANIMALS

PAGE : 11

Group Name	Administration (weeks)									
	77	78	82	86	90	94	98			
Control	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	0.000 ± 0.000	
5000ppm	0.496 ± 0.091	0.498 ± 0.087	0.491 ± 0.085	0.481 ± 0.109	0.478 ± 0.084	0.486 ± 0.099	0.523 ± 0.119			
10000ppm	0.902 ± 0.133	0.891 ± 0.173	0.972 ± 0.179	0.956 ± 0.164	0.949 ± 0.198	1.009 ± 0.388	0.971 ± 0.302			
20000ppm	1.960 ± 0.345	1.969 ± 0.381	2.042 ± 0.307	1.953 ± 0.418	1.950 ± 0.427	2.008 ± 0.367	2.083 ± 0.441			

(HAN300)

BAIS 4

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
UNIT : g/kg/day
REPORT TYPE : A1 104
SEX : FEMALE

CHEMICAL INTAKE CHANGES (SUMMARY)
ALL ANIMALS

PAGE : 12

Group Name	Administration (weeks)	
	102	104
Control	0.000 ± 0.000	0.000 ± 0.000
5000ppm	0.543 ± 0.092	0.546 ± 0.085
10000ppm	1.046 ± 0.275	1.030 ± 0.355
20000ppm	2.158 ± 0.449	2.129 ± 0.409

(HAN300)

BAIS 4

APPENDIX G 1

HEMATOLOGY : MALE

STUDY NO. : 0498

ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]

MEASURE. TIME : 1

SEX : MALE

REPORT TYPE : A1

HEMATOLOGY (SUMMARY)

ALL ANIMALS (105W)

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	35	9.52±	1.35	13.5±	1.8	42.0±	5.0	44.3±	2.3	14.2±	0.7	32.1±	1.2	1561±	248
5000ppm	34	9.38±	1.68	13.4±	2.2	41.9±	6.1	45.2±	3.7	14.3±	0.8	31.8±	1.3	1438±	338
10000ppm	41	9.42±	0.97	13.7±	1.2	42.7±	3.0	45.6±	3.7	14.6±	0.8	32.0±	1.0	1571±	262
20000ppm	40	9.39±	1.12	13.4±	1.6	42.1±	4.3	45.1±	2.3	14.3±	0.4	31.7±	1.2	1643±	223

Significant difference : * : P ≤ 0.05

** : P ≤ 0.01

Test of Dunnett

(HCL070)

BAIS 4

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE

HEMATOLOGY (SUMMARY)
ALL ANIMALS (105W)

REPORT TYPE : A1

PAGE : 2

Group Name	NO. of Animals	RETICULOCYTE %	
Control	35	3.5±	6.6
5000ppm	34	3.5±	4.1
10000ppm	41	2.9±	2.1
20000ppm	40	3.3±	3.6

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

Test of Dunnett

(HCL070)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 MEASURE. TIME : 1
 SEX : MALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
 ALL ANIMALS (105W)

PAGE : 3

Group Name	NO. of Animals	WBC 10 ³ /μl		Differential N-BAND		WBC (%) N-SEG		EOSINO		BASO		MONO		LYMPHO		OTHER	
Control	35	3.09±	1.56	1±	1	28±	13	1±	1	0±	0	3±	1	66±	12	0±	1
5000ppm	34	3.53±	3.25	1±	1	28±	14	1±	1	0±	0	4±	2	65±	13	1±	7
10000ppm	41	2.95±	1.55	1±	1	26±	11	1±	1	0±	0	4±	2	68±	12	0±	1
20000ppm	40	2.28±	1.14*	1±	1	24±	11	1±	1	0±	0	3±	1	72±	12	0±	1

Significant difference : * : $P \leq 0.05$

** : $P \leq 0.01$

Test of Dunnett

(HCL070)

BAIS 4

APPENDIX G 2

HEMATOLOGY : FEMALE

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 MEASURE TIME : 1
 SEX : FEMALE

HEMATOLOGY (SUMMARY)
 ALL ANIMALS (105W)

REPORT TYPE : A1

PAGE : 4

Group Name	NO. of Animals	RED BLOOD CELL 10 ⁶ /μl		HEMOGLOBIN g/dl		HEMATOCRIT %		MCV fl		MCH pg		MC1C g/dl		PLATELET 10 ⁹ /μl	
Control	22	8.87±	1.90	12.9±	2.6	40.0±	6.4	46.2±	6.2	14.6±	0.9	31.9±	2.2	910±	309
5000ppm	34	9.27±	1.41	13.5±	1.9	41.9±	4.8	45.7±	3.9	14.7±	0.6	32.2±	1.5	971±	336
10000ppm	32	9.61±	0.76	13.8±	1.2	42.6±	2.9	44.4±	1.8	14.3±	0.6	32.3±	0.9	907±	266
20000ppm	34	9.76±	0.83	14.0±	1.2	43.8±	2.8*	45.0±	1.8	14.3±	0.4	31.9±	1.3	1034±	259

Significant difference : * : $P \leq 0.05$

** : $P \leq 0.01$

Test of Dunnett

(HCL070)

FAIS 4

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE

HEMATOLOGY (SUMMARY)
ALL ANIMALS (105W)

REPORT TYPE : A1

PAGE : 5

Group Name	NO. of Animals	RETICULOCYTE %	
Control	22	5.2±	8.4
5000ppm	34	4.1±	4.5
10000ppm	32	3.0±	1.9
20000ppm	34	2.5±	1.4

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

Test of Dunnett

(HCL070)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 MEASURE. TIME : 1
 SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
 ALL ANIMALS (105W)

PAGE : 6

Group Name	NO. of Animals	WBC 1 O ³ /μl		Differential N-BAND		WBC (%) N-SEG		EOSINO		BASO		MONO		LYMPHO		OTHER	
Control	22	6.95±	16.99	1±	2	26±	13	1±	2	0±	0	4±	3	63±	15	5±	17
5000ppm	34	4.37±	5.10	1±	2	26±	14	1±	1	0±	0	4±	2	60±	18	8±	18
10000ppm	32	3.95±	7.87	1±	2	29±	15	1±	2	0±	0	4±	2	61±	16	4±	12
20000ppm	34	4.15±	9.21	1±	1	26±	14	1±	3	0±	0	3±	2	62±	18	6±	19

Significant difference ; * : $P \leq 0.05$

** : $P \leq 0.01$

Test of Dunnett

(HCL070)

BAIS 4

APPENDIX H 1

BIOCHEMISTRY : MALE

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 MEASURE. TIME : 1
 SEX : MALE

BIOCHEMISTRY (SUMMARY)
 ALL ANIMALS (105W)

REPORT TYPE : A1

PAGE : 1

Group Name	NO. of Animals	TOTAL PROTEIN g/dl		ALBUMIN g/dl		A/G RATIO		T-BILIRUBIN mg/dl		GLUCOSE mg/dl		T-CHOLESTEROL mg/dl		TRIGLYCERIDE mg/dl	
Control	35	5.1±	0.7	2.6±	0.4	1.1±	0.2	0.13±	0.04	189±	41	112±	44	39±	20
5000ppm	34	5.0±	0.8	2.6±	0.5	1.2±	0.2	0.13±	0.04	188±	34	108±	33	44±	34
10000ppm	41	4.9±	0.5	2.7±	0.3	1.2±	0.1*	0.12±	0.01	193±	34	97±	24*	34±	19
20000ppm	40	5.2±	0.6	2.8±	0.4	1.2±	0.2**	0.12±	0.01	191±	27	100±	29*	25±	14**

Significant difference ; * : $P \leq 0.05$

** : $P \leq 0.01$

Test of Dunnett

(HCL074)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Cri:BDF1]
 MEASURE. TIME : 1
 SEX : MALE

BIOCHEMISTRY (SUMMARY)
 ALL ANIMALS (105W)

REPORT TYPE : A1

PAGE : 2

Group Name	NO. of Animals	PHOSPHOLIPID mg/dl		AST I U / l		ALT I U / l		LDH I U / l		ALP I U / l		G-GTP I U / l		CK I U / l	
Control	35	197 ±	68	122 ±	224	56 ±	78	286 ±	211	130 ±	43	1 ±	1	41 ±	14
5000ppm	34	191 ±	50	83 ±	92	49 ±	60	310 ±	219	127 ±	49	1 ±	0	59 ±	35
10000ppm	41	175 ±	35*	74 ±	65	36 ±	45**	299 ±	294	144 ±	85	1 ±	1	62 ±	64
20000ppm	40	181 ±	44*	57 ±	20	30 ±	34**	229 ±	85	142 ±	33	1 ±	0	63 ±	41

Significant difference ; * : $P \leq 0.05$

** : $P \leq 0.01$

Test of Dunnett

(HCL074)

BAIS 4

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/CrJ[Crl:BDF1]
MEASURE. TIME : 1
SEX : MALE

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (105W)

REPORT TYPE : A1

PAGE : 3

Group Name	NO. of Animals	UREA NITROGEN mg/dl		SODIUM mEq/l		POTASSIUM mEq/l		CHLORIDE mEq/l		CALCIUM mg/dl		INORGANIC PHOSPHORUS mg/dl	
Control	35	23.4±	6.6	154±	2	4.2±	0.3	121±	2	8.9±	0.5	6.3±	1.0
5000ppm	34	22.7±	4.5	154±	1	4.3±	0.6	121±	3	8.8±	0.4	6.1±	0.8
10000ppm	41	22.1±	3.9	154±	1	4.1±	0.3	122±	2	8.7±	0.3	6.3±	0.9
20000ppm	40	22.6±	4.4	154±	2	4.0±	0.4*	121±	3	8.8±	0.5	6.6±	1.0

Significant difference : * : $P \leq 0.05$

** : $P \leq 0.01$

Test of Dunnett

(HCL074)

BAIS 4

APPENDIX H 2

BIOCHEMISTRY : FEMALE

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 MEASURE. TIME : 1
 SEX : FEMALE

BIOCHEMISTRY (SUMMARY)
 ALL ANIMALS (105W)

REPORT TYPE : A1

PAGE : 4

Group Name	NO. of Animals	TOTAL PROTEIN g/dl		ALBUMIN g/dl		A/G RATIO		T-BILIRUBIN mg/dl		GLUCOSE mg/dl		T-CHOLESTEROL mg/dl		TRIGLYCERIDE mg/dl	
Control	22	5.1±	1.1	2.7±	0.3	1.2±	0.3	0.14±	0.05	130±	32	81±	32	34±	27
5000ppm	34	4.9±	0.5	2.7±	0.3	1.3±	0.2	0.14±	0.04	142±	23	79±	19	36±	33
10000ppm	31	5.0±	0.5	2.8±	0.2	1.3±	0.2	0.15±	0.07	137±	34	83±	35	29±	17
20000ppm	33	4.9±	0.8	2.7±	0.2	1.4±	0.2*	0.12±	0.02	131±	29	74±	18	18±	10*

Significant difference ; * : $P \leq 0.05$

** : $P \leq 0.01$

Test of Dunnett

(HCL074)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 MEASURE. TIME : 1
 SEX : FEMALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
 ALL ANIMALS (105W)

PAGE : 5

Group Name	NO. of Animals	PHOSPHOLIPID mg/dl		AST I U/l		ALT I U/l		LDH I U/l		ALP I U/l		G-GTP I U/l		CK I U/l	
Control	22	140±	49	125±	110	48±	46	809±	1860	215±	112	2±	4	149±	312
5000ppm	34	149±	29	90±	40	34±	19	484±	584	168±	61	1±	1	82±	71
10000ppm	31	144±	33	109±	83	49±	60	424±	641	218±	67	1±	1	99±	72
20000ppm	33	135±	31	81±	58**	25±	15**	245±	149**	239±	81*	1±	0	95±	87

Significant difference ; * : $P \leq 0.05$

** : $P \leq 0.01$

Test of Dunnett

(HCL074)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 MEASURE. TIME : 1
 SEX : FEMALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
 ALL ANIMALS (105W)

PAGE : 6

Group Name	NO. of Animals	UREA NITROGEN mg/dl		SODIUM mEq/l		POTASSIUM mEq/l		CHLORIDE mEq/l		CALCIUM mg/dl		INORGANIC PHOSPHORUS mg/dl	
Control	22	24.0±	21.4	152±	2	4.1±	0.4	121±	4	9.1±	0.7	6.2±	1.9
5000ppm	34	18.4±	5.6	153±	2	4.1±	0.4	121±	3	9.0±	0.5	6.0±	0.9
10000ppm	31	20.3±	8.8	153±	2	4.0±	0.4	122±	2	9.0±	0.4	6.0±	0.9
20000ppm	33	22.6±	12.4	155±	2**	4.0±	0.3	123±	4*	8.8±	0.5**	6.3±	1.4

Significant difference ; * : $P \leq 0.05$

** : $P \leq 0.01$

Test of Dunnett

(HCL074)

BAIS 4

APPENDIX I 1

URINALYSIS : MALE

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 MEASURE. TIME : 1
 SEX : MALE REPORT TYPE : A1

URINALYSIS

PAGE : 1

Group Name	NO. of Animals	pH							CHI	Protein					CHI	Glucose					CHI	Ketone body					CHI	Occult blood					CHI		
		5.0	6.0	6.5	7.0	7.5	8.0	8.5		-	±	+	2+	3+		4+	-	±	+	2+		3+	4+	-	±	+		2+	3+	4+	-	±		+	2+
Control	35	0	3	8	13	8	2	1		0	11	20	4	0	0		35	0	0	0	0	0		14	15	5	1	0	0		31	0	1	0	3
5000ppm	35	0	7	13	11	4	0	0		0	5	21	8	1	0		35	0	0	0	0	0		10	16	8	1	0	0		29	0	1	1	4
10000ppm	42	0	11	26	5	0	0	0	**	0	12	19	11	0	0		42	0	0	0	0	0		18	11	13	0	0	0		41	0	0	0	1
20000ppm	41	0	10	22	9	0	0	0	**	0	22	17	2	0	0		41	0	0	0	0	0		22	11	7	1	0	0		40	0	0	1	0

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

Test of CHI SQUARE

(HCL101)

EATS 4

STUDY NO. : 0498

URINALYSIS

ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]

MEASURE. TIME : 1

SEX : MALE

REPORT TYPE : A1

PAGE : 2

Group Name	NO. of Animals	Urobilinogen ± + 2+ 3+ 4+ CHI
Control	35	35 0 0 0 0
5000ppm	35	35 0 0 0 0
10000ppm	42	42 0 0 0 0
20000ppm	41	41 0 0 0 0

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

Test of CHI SQUARE

(HCL101)

BATS 4

APPENDIX I 2

URINALYSIS : FEMALE

STUDY NO. : 0498

URINALYSIS

ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]

MEASURE. TIME : 1

SEX : FEMALE

REPORT TYPE : A1

PAGE : 3

Group Name	NO. of Animals	pH							CHI	Protein					CHI	Glucose					CHI	Ketone body					CHI	Occult blood				CHI			
		5.0	6.0	6.5	7.0	7.5	8.0	8.5		-	±	+	2+	3+		4+	-	±	+	2+		3+	4+	-	±	+		2+	3+	4+	-		±	+	2+
Control	25	0	0	4	3	3	13	2		1	4	12	8	0	0		25	0	0	0	0	0		6	10	6	3	0	0		22	0	1	2	0
5000ppm	35	0	1	6	9	10	9	0		0	2	16	16	1	0		35	0	0	0	0	0		0	14	14	7	0	0	*	27	2	1	1	4
10000ppm	33	0	2	10	10	10	1	0	**	0	2	11	19	1	0		33	0	0	0	0	0		3	5	17	7	1	0	*	30	0	0	0	3
20000ppm	34	0	4	12	14	4	0	0	**	0	6	15	12	1	0		34	0	0	0	0	0		1	13	10	10	0	0		30	0	0	0	4

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

Test of CHI SQUARE

(HCL101)

BATS 4

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE

URINALYSIS

REPORT TYPE : A1

PAGE : 4

Group Name	NO. of Animals	Urobilinogen ± + 2+ 3+ 4+ CHI
Control	25	25 0 0 0 0
5000ppm	35	35 0 0 0 0
10000ppm	33	33 0 0 0 0
20000ppm	34	34 0 0 0 0

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

Test of CHI SQUARE

(HCL101)

BATS 4

APPENDIX J 1

GROSS FINDINGS : MALE

ALL ANIMALS

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

GROSS FINDINGS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 1

Organ	Findings	Group Name NO. of Animals	Control		5000ppm		10000ppm		20000ppm	
			50	(%)	50	(%)	50	(%)	50	(%)
skin/app	nodule		0	(0)	0	(0)	0	(0)	1	(2)
	erosion		3	(6)	1	(2)	1	(2)	0	(0)
	scab		3	(6)	3	(6)	0	(0)	0	(0)
subcutis	mass		3	(6)	4	(8)	0	(0)	1	(2)
lung	white zone		0	(0)	1	(2)	0	(0)	1	(2)
	nodule		9	(18)	14	(28)	7	(14)	8	(16)
lymph node	enlarged		1	(2)	7	(14)	4	(8)	4	(8)
thymus	enlarged		0	(0)	1	(2)	0	(0)	0	(0)
spleen	enlarged		3	(6)	6	(12)	1	(2)	2	(4)
	red zone		1	(2)	0	(0)	0	(0)	0	(0)
	black zone		1	(2)	0	(0)	2	(4)	3	(6)
	nodule		0	(0)	1	(2)	3	(6)	1	(2)
	deformed		0	(0)	0	(0)	0	(0)	1	(2)
heart	dilated		0	(0)	0	(0)	1	(2)	0	(0)
salivary gl	enlarged		1	(2)	0	(0)	0	(0)	0	(0)
	nodule		0	(0)	1	(2)	1	(2)	0	(0)
forestomach	nodule		1	(2)	1	(2)	1	(2)	2	(4)
gl stomach	nodule		0	(0)	0	(0)	2	(4)	1	(2)
liver	enlarged		1	(2)	0	(0)	0	(0)	0	(0)
	pale		1	(2)	0	(0)	0	(0)	0	(0)
	white zone		3	(6)	4	(8)	0	(0)	0	(0)
	red zone		1	(2)	2	(4)	1	(2)	1	(2)

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Crlj[Crlj:BDF1]
REPORT TYPE : A1
SEX : MALE

GROSS FINDINGS (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 2

Organ	Findings	Group Name NO. of Animals	Control		5000ppm		10000ppm		20000ppm	
			50	(%)	50	(%)	50	(%)	50	(%)
liver	nodule		21	(42)	21	(42)	14	(28)	8	(16)
	deformed		0	(0)	1	(2)	1	(2)	0	(0)
	nodular		0	(0)	1	(2)	0	(0)	0	(0)
gall bladd	dilated		1	(2)	0	(0)	0	(0)	0	(0)
pancreas	nodule		0	(0)	0	(0)	1	(2)	2	(4)
kidney	enlarged		0	(0)	1	(2)	0	(0)	0	(0)
	atrophic		0	(0)	1	(2)	0	(0)	0	(0)
	white zone		1	(2)	0	(0)	0	(0)	0	(0)
	black zone		0	(0)	1	(2)	0	(0)	0	(0)
	nodule		2	(4)	1	(2)	0	(0)	0	(0)
	cyst		1	(2)	0	(0)	0	(0)	0	(0)
	hydronephrosis		2	(4)	2	(4)	1	(2)	3	(6)
urin bladd	urine:marked retention		2	(4)	3	(6)	2	(4)	0	(0)
pituitary	nodule		0	(0)	1	(2)	0	(0)	0	(0)
testis	enlarged		0	(0)	0	(0)	1	(2)	0	(0)
epididymis	nodule		1	(2)	0	(0)	2	(4)	0	(0)
semin ves	black zone		2	(4)	1	(2)	0	(0)	0	(0)
	nodule		0	(0)	0	(0)	1	(2)	0	(0)
prostate	nodule		0	(0)	1	(2)	0	(0)	0	(0)
prep/cli gl	enlarged		0	(0)	0	(0)	1	(2)	0	(0)
	nodule		4	(8)	5	(10)	2	(4)	1	(2)
brain	red zone		0	(0)	1	(2)	0	(0)	0	(0)

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

GROSS FINDINGS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 3

Organ	Findings	Group Name NO. of Animals	Control	5000ppm	10000ppm	20000ppm
			50 (%)	50 (%)	50 (%)	50 (%)
brain	brown zone		1 (2)	0 (0)	0 (0)	0 (0)
periph nerv	nodule		0 (0)	0 (0)	0 (0)	1 (2)
eye	atrophic		0 (0)	1 (2)	0 (0)	0 (0)
Harder gl	nodule		1 (2)	1 (2)	2 (4)	1 (2)
mediastinum	mass		1 (2)	0 (0)	0 (0)	0 (0)
peritoneum	nodule		1 (2)	0 (0)	0 (0)	0 (0)
retroperit	mass		0 (0)	1 (2)	0 (0)	0 (0)
abdominal c	hemorrhage		1 (2)	0 (0)	2 (4)	0 (0)
	ascites		1 (2)	3 (6)	1 (2)	0 (0)
thoracic ca	hemorrhage		2 (4)	0 (0)	0 (0)	0 (0)
	pleural fluid		0 (0)	2 (4)	2 (4)	1 (2)
other	tail:nodule		0 (0)	3 (6)	0 (0)	0 (0)
	nose:nodule		1 (2)	0 (0)	1 (2)	0 (0)
whole body	anemic		1 (2)	0 (0)	0 (0)	0 (0)

(IPT080)

BAIS 4

APPENDIX J 2

GROSS FINDINGS : MALE DEAD AND MORIBUND ANIMALS

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDf1]
 REPORT TYPE : A1
 SEX : MALE

GROSS FINDINGS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 1

Organ	Findings	Group Name NO. of Animals	Control	5000ppm	10000ppm	20000ppm
			15 (%)	15 (%)	8 (%)	9 (%)
skin/app	erosion		1 (7)	1 (7)	1 (13)	0 (0)
	scab		1 (7)	3 (20)	0 (0)	0 (0)
subcutis	mass		2 (13)	2 (13)	0 (0)	0 (0)
lung	white zone		0 (0)	1 (7)	0 (0)	0 (0)
	nodule		3 (20)	4 (27)	0 (0)	1 (11)
lymph node	enlarged		1 (7)	4 (27)	1 (13)	2 (22)
thymus	enlarged		0 (0)	1 (7)	0 (0)	0 (0)
spleen	enlarged		3 (20)	5 (33)	0 (0)	1 (11)
	black zone		1 (7)	0 (0)	0 (0)	0 (0)
heart	dilated		0 (0)	0 (0)	1 (13)	0 (0)
salivary gl	enlarged		1 (7)	0 (0)	0 (0)	0 (0)
	nodule		0 (0)	0 (0)	1 (13)	0 (0)
forestomach	nodule		1 (7)	1 (7)	0 (0)	0 (0)
liver	enlarged		1 (7)	0 (0)	0 (0)	0 (0)
	pale		1 (7)	0 (0)	0 (0)	0 (0)
	white zone		1 (7)	2 (13)	0 (0)	0 (0)
	red zone		0 (0)	1 (7)	0 (0)	0 (0)
	nodule		5 (33)	6 (40)	6 (75)	2 (22)
	deformed		0 (0)	1 (7)	1 (13)	0 (0)
gall bladd	dilated		1 (7)	0 (0)	0 (0)	0 (0)
kidney	enlarged		0 (0)	1 (7)	0 (0)	0 (0)
	atrophic		0 (0)	1 (7)	0 (0)	0 (0)

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

GROSS FINDINGS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 2

Organ	Findings	Group Name NO. of Animals	Control	5000ppm	10000ppm	20000ppm
			15 (%)	15 (%)	8 (%)	9 (%)
kidney	white zone		1 (7)	0 (0)	0 (0)	0 (0)
	black zone		0 (0)	1 (7)	0 (0)	0 (0)
	nodule		1 (7)	0 (0)	0 (0)	0 (0)
	hydronephrosis		2 (13)	1 (7)	0 (0)	0 (0)
urin bladd	urine:marked retention		2 (13)	3 (20)	2 (25)	0 (0)
epididymis	nodule		0 (0)	0 (0)	1 (13)	0 (0)
semin ves	nodule		0 (0)	0 (0)	1 (13)	0 (0)
prostate	nodule		0 (0)	1 (7)	0 (0)	0 (0)
prep/cli gl	nodule		0 (0)	1 (7)	0 (0)	0 (0)
brain	red zone		0 (0)	1 (7)	0 (0)	0 (0)
	brown zone		1 (7)	0 (0)	0 (0)	0 (0)
periph nerv	nodule		0 (0)	0 (0)	0 (0)	1 (11)
eye	atrophic		0 (0)	1 (7)	0 (0)	0 (0)
Harder gl	nodule		0 (0)	0 (0)	1 (13)	0 (0)
mediastinum	mass		1 (7)	0 (0)	0 (0)	0 (0)
abdominal c	hemorrhage		1 (7)	0 (0)	2 (25)	0 (0)
	ascites		1 (7)	1 (7)	1 (13)	0 (0)
thoracic ca	hemorrhage		2 (13)	0 (0)	0 (0)	0 (0)
	pleural fluid		0 (0)	1 (7)	1 (13)	1 (11)
other	tail:nodule		0 (0)	1 (7)	0 (0)	0 (0)
	nose:nodule		1 (7)	0 (0)	1 (13)	0 (0)
whole body	anemic		1 (7)	0 (0)	0 (0)	0 (0)

APPENDIX J 3

GROSS FINDINGS : MALE SACRIFICED ANIMALS

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

GROSS FINDINGS (SUMMARY)
 SACRIFICED ANIMALS (1057)

PAGE : 1

Organ	Findings	Group Name NO. of Animals	Control		5000ppm		10000ppm		20000ppm	
			35	(%)	35	(%)	42	(%)	41	(%)
skin/app	nodule		0	(0)	0	(0)	0	(0)	1	(2)
	erosion		2	(6)	0	(0)	0	(0)	0	(0)
	scab		2	(6)	0	(0)	0	(0)	0	(0)
subcutis	mass		1	(3)	2	(5)	0	(0)	1	(2)
lung	white zone		0	(0)	0	(0)	0	(0)	1	(2)
	nodule		6	(17)	10	(29)	7	(17)	7	(17)
lymph node	enlarged		0	(0)	3	(9)	3	(7)	2	(5)
spleen	enlarged		0	(0)	1	(3)	1	(2)	1	(2)
	red zone		1	(3)	0	(0)	0	(0)	0	(0)
	black zone		0	(0)	0	(0)	2	(5)	3	(7)
	nodule		0	(0)	1	(3)	3	(7)	1	(2)
	deformed		0	(0)	0	(0)	0	(0)	1	(2)
salivary gl	nodule		0	(0)	1	(3)	0	(0)	0	(0)
forestomach	nodule		0	(0)	0	(0)	1	(2)	2	(5)
gl stomach	nodule		0	(0)	0	(0)	2	(5)	1	(2)
liver	white zone		2	(6)	2	(6)	0	(0)	0	(0)
	red zone		1	(3)	1	(3)	1	(2)	1	(2)
	nodule		16	(46)	15	(43)	8	(19)	6	(15)
	nodular		0	(0)	1	(3)	0	(0)	0	(0)
pancreas	nodule		0	(0)	0	(0)	1	(2)	2	(5)
kidney	nodule		1	(3)	1	(3)	0	(0)	0	(0)
	cyst		1	(3)	0	(0)	0	(0)	0	(0)

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

GROSS FINDINGS (SUMMARY)
 SACRIFICED ANIMALS (105W)

PAGE : 2

Organ	Findings	Group Name NO. of Animals	Control		5000ppm		10000ppm		20000ppm	
			35	(%)	35	(%)	42	(%)	41	(%)
kidney	hydronephrosis		0	(0)	1	(3)	1	(2)	3	(7)
pituitary	nodule		0	(0)	1	(3)	0	(0)	0	(0)
testis	enlarged		0	(0)	0	(0)	1	(2)	0	(0)
epididymis	nodule		1	(3)	0	(0)	1	(2)	0	(0)
semin ves	black zone		2	(6)	1	(3)	0	(0)	0	(0)
prep/cli gl	enlarged		0	(0)	0	(0)	1	(2)	0	(0)
	nodule		4	(11)	4	(11)	2	(5)	1	(2)
Harder gl	nodule		1	(3)	1	(3)	1	(2)	1	(2)
peritoneum	nodule		1	(3)	0	(0)	0	(0)	0	(0)
retroperit	mass		0	(0)	1	(3)	0	(0)	0	(0)
abdominal c	ascites		0	(0)	2	(6)	0	(0)	0	(0)
thoracic ca	pleural fluid		0	(0)	1	(3)	1	(2)	0	(0)
other	tail:nodule		0	(0)	2	(6)	0	(0)	0	(0)

APPENDIX J 4

GROSS FINDINGS : FEMALE

ALL ANIMALS

STUDY NO. : 0498
 ANIMAL : MOUSE BGD2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

GROSS FINDINGS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 4

Organ	Findings	Group Name NO. of Animals	Control		5000ppm		10000ppm		20000ppm	
			50	(%)	50	(%)	50	(%)	50	(%)
skin/app	nodule		0	(0)	1	(2)	0	(0)	1	(2)
	scab		0	(0)	0	(0)	1	(2)	0	(0)
subcutis	edema		5	(10)	2	(4)	2	(4)	1	(2)
	mass		1	(2)	4	(8)	4	(8)	1	(2)
lung	red		1	(2)	0	(0)	0	(0)	0	(0)
	nodule		2	(4)	2	(4)	3	(6)	3	(6)
lymph node	enlarged		13	(26)	10	(20)	9	(18)	5	(10)
thymus	enlarged		0	(0)	1	(2)	0	(0)	0	(0)
spleen	enlarged		15	(30)	12	(24)	5	(10)	5	(10)
	white zone		1	(2)	0	(0)	0	(0)	0	(0)
	black zone		0	(0)	0	(0)	1	(2)	1	(2)
	nodule		0	(0)	0	(0)	2	(4)	1	(2)
heart	white zone		1	(2)	0	(0)	0	(0)	0	(0)
salivary gl	white zone		0	(0)	1	(2)	0	(0)	0	(0)
forestomach	nodule		2	(4)	0	(0)	0	(0)	2	(4)
gl stomach	thick		0	(0)	1	(2)	0	(0)	0	(0)
stomach	adhesion		0	(0)	0	(0)	0	(0)	1	(2)
small intes	nodule		0	(0)	0	(0)	0	(0)	1	(2)
	adhesion		0	(0)	0	(0)	1	(2)	0	(0)
	dilated		0	(0)	0	(0)	1	(2)	0	(0)
large intes	nodule		0	(0)	0	(0)	0	(0)	1	(2)
liver	enlarged		3	(6)	4	(8)	3	(6)	2	(4)

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE

GROSS FINDINGS (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 5

Organ	Findings	Group Name NO. of Animals	Control	5000ppm	10000ppm	20000ppm
			50 (%)	50 (%)	50 (%)	50 (%)
liver	white zone		7 (14)	6 (12)	7 (14)	7 (14)
	red zone		2 (4)	3 (6)	5 (10)	2 (4)
	nodule		8 (16)	6 (12)	16 (32)	6 (12)
pancreas	nodule		1 (2)	0 (0)	1 (2)	0 (0)
kidney	enlarged		1 (2)	0 (0)	0 (0)	0 (0)
	white zone		0 (0)	0 (0)	0 (0)	1 (2)
	nodule		0 (0)	1 (2)	1 (2)	0 (0)
	hydronephrosis		3 (6)	0 (0)	1 (2)	0 (0)
ureter	thick		0 (0)	0 (0)	0 (0)	1 (2)
pituitary	enlarged		3 (6)	2 (4)	0 (0)	1 (2)
	red		0 (0)	0 (0)	1 (2)	0 (0)
	red zone		1 (2)	3 (6)	0 (0)	1 (2)
	nodule		1 (2)	0 (0)	0 (0)	2 (4)
ovary	enlarged		3 (6)	8 (16)	3 (6)	4 (8)
	red		0 (0)	1 (2)	0 (0)	0 (0)
	nodule		0 (0)	1 (2)	0 (0)	0 (0)
	cyst		4 (8)	7 (14)	7 (14)	6 (12)
uterus	nodule		13 (26)	10 (20)	10 (20)	11 (22)
brain	enlarged		0 (0)	0 (0)	1 (2)	0 (0)
	red zone		1 (2)	0 (0)	0 (0)	0 (0)
periph nerv	red		0 (0)	0 (0)	1 (2)	0 (0)
harder gl	enlarged		0 (0)	1 (2)	1 (2)	0 (0)

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE

GROSS FINDINGS (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 6

Organ	Findings	Group Name NO. of Animals	Control		5000ppm		10000ppm		20000ppm	
			50	(%)	50	(%)	50	(%)	50	(%)
Harder gl	nodule		2	(4)	0	(0)	0	(0)	1	(2)
mediastinum	mass		1	(2)	4	(8)	1	(2)	2	(4)
peritoneum	nodule		1	(2)	0	(0)	0	(0)	0	(0)
	mass		0	(0)	1	(2)	0	(0)	0	(0)
	nodular		0	(0)	0	(0)	1	(2)	0	(0)
	thick		3	(6)	1	(2)	0	(0)	0	(0)
abdominal c	hemorrhage		1	(2)	2	(4)	0	(0)	2	(4)
	ascites		12	(24)	8	(16)	7	(14)	3	(6)
thoracic ca	pleural fluid		14	(28)	9	(18)	6	(12)	4	(8)
other	tail:nodule		0	(0)	0	(0)	0	(0)	1	(2)
whole body	anemic		2	(4)	1	(2)	0	(0)	0	(0)

(HPT080)

BAIS 4

APPENDIX J 5

GROSS FINDINGS : FEMALE DEAD AND MORIBUND ANIMALS

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

GROSS FINDINGS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 3

Organ	Findings	Group Name NO. of Animals	Control		5000ppm		10000ppm		20000ppm	
			26	(%)	16	(%)	18	(%)	16	(%)
skin/app	nodule		0	(0)	1	(6)	0	(0)	0	(0)
	scab		0	(0)	0	(0)	1	(6)	0	(0)
subcutis	edema		5	(19)	2	(13)	2	(11)	1	(6)
	mass		1	(4)	0	(0)	2	(11)	0	(0)
lung	red		1	(4)	0	(0)	0	(0)	0	(0)
	nodule		1	(4)	0	(0)	1	(6)	1	(6)
lymph node	enlarged		9	(35)	6	(38)	5	(28)	2	(13)
thymus	enlarged		0	(0)	1	(6)	0	(0)	0	(0)
spleen	enlarged		10	(38)	7	(44)	3	(17)	4	(25)
	white zone		1	(4)	0	(0)	0	(0)	0	(0)
	black zone		0	(0)	0	(0)	1	(6)	0	(0)
	nodule		0	(0)	0	(0)	2	(11)	1	(6)
heart	white zone		1	(4)	0	(0)	0	(0)	0	(0)
salivary gl	white zone		0	(0)	1	(6)	0	(0)	0	(0)
forestomach	nodule		0	(0)	0	(0)	0	(0)	1	(6)
gl stomach	thick		0	(0)	1	(6)	0	(0)	0	(0)
stomach	adhesion		0	(0)	0	(0)	0	(0)	1	(6)
small intes	nodule		0	(0)	0	(0)	0	(0)	1	(6)
	adhesion		0	(0)	0	(0)	1	(6)	0	(0)
	dilated		0	(0)	0	(0)	1	(6)	0	(0)
large intes	nodule		0	(0)	0	(0)	0	(0)	1	(6)
liver	enlarged		3	(12)	4	(25)	3	(17)	2	(13)

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/CrLj[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

GROSS FINDINGS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 4

Organ	Findings	Group Name NO. of Animals	Control	5000ppm	10000ppm	20000ppm
			26 (%)	16 (%)	18 (%)	16 (%)
liver	white zone		7 (27)	5 (31)	6 (33)	7 (44)
	red zone		0 (0)	0 (0)	1 (6)	0 (0)
	nodule		4 (15)	2 (13)	2 (11)	2 (13)
pancreas	nodule		1 (4)	0 (0)	0 (0)	0 (0)
kidney	white zone		0 (0)	0 (0)	0 (0)	1 (6)
	nodule		0 (0)	0 (0)	1 (6)	0 (0)
	hydronephrosis		1 (4)	0 (0)	1 (6)	0 (0)
pituitary	enlarged		2 (8)	0 (0)	0 (0)	0 (0)
	red		0 (0)	0 (0)	1 (6)	0 (0)
	red zone		0 (0)	1 (6)	0 (0)	0 (0)
	nodule		0 (0)	0 (0)	0 (0)	1 (6)
ovary	enlarged		2 (8)	6 (38)	2 (11)	4 (25)
	cyst		3 (12)	3 (19)	1 (6)	0 (0)
uterus	nodule		11 (42)	6 (38)	7 (39)	7 (44)
brain	enlarged		0 (0)	0 (0)	1 (6)	0 (0)
	red zone		1 (4)	0 (0)	0 (0)	0 (0)
periph nerv	red		0 (0)	0 (0)	1 (6)	0 (0)
Harder gl	enlarged		0 (0)	1 (6)	1 (6)	0 (0)
	nodule		2 (8)	0 (0)	0 (0)	0 (0)
mediastinum	mass		1 (4)	3 (19)	1 (6)	1 (6)
peritoneum	nodule		1 (4)	0 (0)	0 (0)	0 (0)
	thick		3 (12)	1 (6)	0 (0)	0 (0)

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE

GROSS FINDINGS (SUMMARY)
DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 5

Organ	Findings	Group Name NO. of Animals	Control		5000ppm		10000ppm		20000ppm	
			26	(%)	16	(%)	18	(%)	16	(%)
abdominal c	hemorrhage		1	(4)	2	(13)	0	(0)	2	(13)
	ascites		8	(31)	3	(19)	2	(11)	0	(0)
thoracic ca	pleural fluid		12	(46)	8	(50)	5	(28)	2	(13)
other	tail:nodule		0	(0)	0	(0)	0	(0)	1	(6)
whole body	anemic		2	(8)	1	(6)	0	(0)	0	(0)

(HPT080)

BAIS 4

APPENDIX J 6

GROSS FINDINGS : FEMALE SACRIFICED ANIMALS

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crlj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

GROSS FINDINGS (SUMMARY)
 SACRIFICED ANIMALS (105W)

PAGE : 3

Organ	Findings	Group Name NO. of Animals	Control		5000ppm		10000ppm		20000ppm	
			24	(%)	34	(%)	32	(%)	34	(%)
skin/app	nodule		0	(0)	0	(0)	0	(0)	1	(3)
subcutis	mass		0	(0)	4	(12)	2	(6)	1	(3)
lung	nodule		1	(4)	2	(6)	2	(6)	2	(6)
lymph node	enlarged		4	(17)	4	(12)	4	(13)	3	(9)
spleen	enlarged		5	(21)	5	(15)	2	(6)	1	(3)
	black zone		0	(0)	0	(0)	0	(0)	1	(3)
forestomach	nodule		2	(8)	0	(0)	0	(0)	1	(3)
liver	white zone		0	(0)	1	(3)	1	(3)	0	(0)
	red zone		2	(8)	3	(9)	4	(13)	2	(6)
	nodule		4	(17)	4	(12)	14	(44)	4	(12)
pancreas	nodule		0	(0)	0	(0)	1	(3)	0	(0)
kidney	enlarged		1	(4)	0	(0)	0	(0)	0	(0)
	nodule		0	(0)	1	(3)	0	(0)	0	(0)
	hydronephrosis		2	(8)	0	(0)	0	(0)	0	(0)
ureter	thick		0	(0)	0	(0)	0	(0)	1	(3)
pituitary	enlarged		1	(4)	2	(6)	0	(0)	1	(3)
	red zone		1	(4)	2	(6)	0	(0)	1	(3)
	nodule		1	(4)	0	(0)	0	(0)	1	(3)
ovary	enlarged		1	(4)	2	(6)	1	(3)	0	(0)
	red		0	(0)	1	(3)	0	(0)	0	(0)
	nodule		0	(0)	1	(3)	0	(0)	0	(0)
	cyst		1	(4)	4	(12)	6	(19)	6	(18)

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE

GROSS FINDINGS (SUMMARY)
SACRIFICED ANIMALS (105W)

PAGE : 4

Organ	Findings	Group Name No. of Animals	Control		5000ppm		10000ppm		20000ppm	
			24	(%)	34	(%)	32	(%)	34	(%)
uterus	nodule		2	(8)	4	(12)	3	(9)	4	(12)
Harder gl	nodule		0	(0)	0	(0)	0	(0)	1	(3)
mediastinum	mass		0	(0)	1	(3)	0	(0)	1	(3)
peritoneum	mass		0	(0)	1	(3)	0	(0)	0	(0)
	nodular		0	(0)	0	(0)	1	(3)	0	(0)
abdominal c	ascites		4	(17)	5	(15)	5	(16)	3	(9)
thoracic ca	pleural fluid		2	(8)	1	(3)	1	(3)	2	(6)

(HPT080)

BAIS 4

APPENDIX K 1

ORGAN WEIGHT, ABSOLUTE : MALE

STUDY NO. : 0496
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (105W)

PAGE : 1

Group Name	NO. of Animals	Body Weight	ADRENALS		TESTES		HEART		LUNGS		KIDNEYS	
Control	35	45.0± 7.8	0.011±	0.002	0.233±	0.028	0.227±	0.021	0.200±	0.026	0.646±	0.044
5000ppm	35	44.5± 8.0	0.011±	0.002	0.228±	0.025	0.221±	0.029	0.244±	0.126	0.668±	0.078
10000ppm	42	37.9± 5.6**	0.011±	0.002	0.256±	0.213	0.202±	0.020**	0.212±	0.089	0.638±	0.059
20000ppm	41	32.3± 4.3**	0.011±	0.003	0.217±	0.027	0.185±	0.016**	0.202±	0.078**	0.840±	1.256**

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

Test of Dunnett

(HCL040)

BAIS 4

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/CrLj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (105W)

PAGE : 2

Group Name	NO. of Animals	SPLEEN		LIVER		BRAIN	
Control	35	0.098±	0.084	1.661±	0.458	0.449±	0.015
5000ppm	35	0.165±	0.312	1.985±	1.090	0.445±	0.015
10000ppm	42	0.101±	0.065	1.524±	0.381*	0.443±	0.017
20000ppm	41	0.118±	0.264	1.379±	0.281**	0.436±	0.013**

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

Test of Dunnett

(HCL040)

BAIS 4

APPENDIX K 2

ORGAN WEIGHT, ABSOLUTE : FEMALE

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Crlj[Crlj:BDFl]
 REPORT TYPE : A1
 SEX : FEMALE
 UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
 SURVIVAL ANIMALS (105W)

PAGE : 3

Group Name	NO. of Animals	Body Weight	ADRENALS		OVARIES		HEART		LUNGS		KIDNEYS	
Control	24	31.3± 5.3	0.015±	0.002	0.140±	0.441	0.182±	0.031	0.219±	0.079	0.569±	0.356
5000ppm	34	31.9± 4.0	0.014±	0.003	0.092±	0.143	0.172±	0.020	0.200±	0.026	0.461±	0.064
10000ppm	32	29.4± 4.1	0.014±	0.003	0.078±	0.127	0.163±	0.017**	0.190±	0.019	0.457±	0.042
20000ppm	34	24.8± 2.5**	0.014±	0.003	0.052±	0.039	0.153±	0.018**	0.188±	0.019	0.444±	0.057

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

Test of Dunnett

(HCL040)

BAIS 4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE
 UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
 SURVIVAL ANIMALS (105W)

PAGE : 4

Group Name	NO. of Animals	SPLEEN		LIVER		BRAIN	
Control	24	0.419±	0.967	1.514±	0.365	0.466±	0.016
5000ppm	34	0.210±	0.127	1.659±	0.786	0.465±	0.016
10000ppm	32	0.169±	0.165	1.864±	2.509	0.461±	0.016
20000ppm	34	0.118±	0.109**	1.190±	0.176**	0.455±	0.017

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

Test of Dunnett

(HCL040)

BAIS 4

APPENDIX L 1

ORGAN WEIGHT, RELATIVE : MALE

STUDY NO. : 0493
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE
 UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
 SURVIVAL ANIMALS (105W)

PAGE : 1

Group Name	NO. of Animals	Body Weight (g)	ADRENALS	TESTES	HEART	LUNGS	KIDNEYS
Control	35	45.0± 7.8	0.026± 0.007	0.532± 0.112	0.520± 0.112	0.456± 0.093	1.476± 0.280
5000ppm	35	44.5± 8.0	0.025± 0.007	0.529± 0.117	0.512± 0.111	0.580± 0.431	1.538± 0.274
10000ppm	42	37.9± 5.6**	0.029± 0.007	0.699± 0.655**	0.542± 0.071	0.571± 0.273**	1.707± 0.201**
20000ppm	41	32.3± 4.3**	0.035± 0.010**	0.681± 0.123**	0.580± 0.066**	0.631± 0.240**	2.623± 3.835**

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

Test of Dunnett

(HCL042)

BAIS 4

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (105W)

PAGE : 2

Group Name	NO. of Animals	SPLEEN	LIVER	BRAIN
Control	35	0.236 ± 0.252	3.826 ± 1.610	1.027 ± 0.191
5000ppm	35	0.376 ± 0.703	4.603 ± 2.639	1.035 ± 0.212
10000ppm	42	0.279 ± 0.203	4.095 ± 1.194*	1.192 ± 0.172**
20000ppm	41	0.384 ± 0.876	4.315 ± 1.005**	1.368 ± 0.169**

Significant difference ; * : $P \leq 0.05$

** : $P \leq 0.01$

Test of Dunnett

(HCL042)

BAIS 4

APPENDIX L 2

ORGAN WEIGHT, RELATIVE : FEMALE

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE
 UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
 SURVIVAL ANIMALS (105W)

PAGE : 3

Group Name	NO. of Animals	Body Weight (g)	ADRENALS	OVARIES	HEART	LUNGS	KIDNEYS
Control	24	31.3± 5.3	0.049± 0.009	0.408± 1.181	0.595± 0.136	0.717± 0.286	1.926± 1.548
5000ppm	34	31.9± 4.0	0.045± 0.010	0.284± 0.451	0.542± 0.053	0.635± 0.109	1.461± 0.226
10000ppm	32	29.4± 4.1	0.047± 0.008	0.268± 0.465	0.565± 0.090	0.658± 0.110	1.581± 0.222
20000ppm	34	24.8± 2.5**	0.055± 0.010	0.210± 0.162	0.621± 0.073*	0.763± 0.087**	1.807± 0.282**

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

Test of Dunnett

(HCL042)

BAIS 4

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (105W)

PAGE : 4

Group Name	NO. of Animals	SPLEEN	LIVER	BRAIN
Control	24	1.391± 3.281	4.906± 1.265	1.522± 0.234
5000ppm	34	0.657± 0.380	5.171± 2.049	1.483± 0.210
10000ppm	32	0.581± 0.564	6.144± 7.081	1.599± 0.229
20000ppm	34	0.486± 0.478	4.804± 0.529	1.854± 0.166**

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

Test of Dunnett

(HCL042)

BAIS 4

APPENDIX M 1

HISTOPATHOLOGICAL FINDINGS :
NON-NEOPLASTIC LESIONS : MALE
ALL ANIMALS

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 1

Organ	Findings	Group Name No. of Animals on Study				Control 50				5000ppm 50				10000ppm 50				20000ppm 50			
		Grade																			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Integumentary system/appandage)																					
skin/app		<50>				<50>				<50>				<50>				<50>			
	ulcer	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	inflammation	1	2	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0
		(2)	(4)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)
	scab	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	epidermal cyst	0	0	0	0	2	0	0	0	0	0	0	0	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)
subcutis		<50>				<50>				<50>				<50>				<50>			
	hemorrhage	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	inflammation	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(2)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
(Respiratory system)																					
nasal cavit		<50>				<50>				<50>				<50>				<50>			
	inflammation	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 2

Organ	Findings	Group Name No. of Animals on Study				Control 50				5000ppm 50				10000ppm 50				20000ppm 50			
		Grade																			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																					
nasal cavit		<50>				<50>				<50>				<50>				<50>			
	hyperplasia:gland	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	eosinophilic change:olfactory epithelium	11 (22)	1 (2)	0 (0)	0 (0)	14 (28)	0 (0)	0 (0)	0 (0)	21 (42)	0 (0)	0 (0)	0 (0)	15 (30)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	eosinophilic change:respiratory epithelium	18 (36)	1 (2)	0 (0)	0 (0)	12 (24)	0 (0)	0 (0)	0 (0)	18 (36)	0 (0)	0 (0)	0 (0)	23 (46)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	inflammation:foreign body	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	respiratory metaplasia:olfactory epithelium	2 (4)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	respiratory metaplasia:gland	5 (10)	0 (0)	0 (0)	0 (0)	3 (6)	1 (2)	0 (0)	0 (0)	5 (10)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	atrophy:olfactory epithelium	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
nasopharynx		<50>				<50>				<50>				<50>				<50>			
	eosinophilic change	2 (4)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe

< a > a : Number of animals examined at the site

b : Number of animals with lesion

(c) c : b / a * 100

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 3

Organ	Findings	Group Name No. of Animals on Study				Control 50				5000ppm 50				10000ppm 50				20000ppm 50			
		Grade																			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																					
lung	hemorrhage	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	inflammation	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)
	inflammatory infiltration	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	lymphocytic infiltration	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	bronchiolar-alveolar cell hyperplasia	5 (10)	0 (0)	0 (0)	0 (0)	3 (6)	2 (4)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)
{Hematopoietic system}																					
bone marrow	angiectasis	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	granulation	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	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 : Number of animals with lesion																					
(c) c : b / a * 100																					
Significant difference ; * : P ≤ 0.05 ** : P ≤ 0.01 Test of Chi Square																					

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 4

Organ	Findings	Group Name No. of Animals on Study				Control 50				5000ppm 50				10000ppm 50				20000ppm 50			
		Grade																			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Hematopoietic system}																					
bone marrow		<50>				<50>				<50>				<50>				<50>			
	increased hematopoiesis	0	0	0	0	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)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
	erythropoiesis:increased	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	hyperplasia:mast cell	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	granulopoiesis:increased	1	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
		(2)	(0)	(0)	(0)	(0)	(0)	(8)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
lymph node		<50>				<50>				<50>				<50>				<50>			
	lymphadenitis	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
spleen		<50>				<49>				<50>				<50>				<50>			
	angiectasis	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	deposit of melanin	1	0	0	0	0	0	0	0	3	0	0	0	3	0	0	0	3	0	0	0
		(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(6)	(0)	(0)	(0)

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

STUDY NO. : 0498
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HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 5

Organ	Findings	Group Name No. of Animals on Study				Control 50				5000ppm 50				10000ppm 50				20000ppm 50			
		Grade																			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Hematopoietic system}																					
spleen		<50>				<49>				<50>				<50>				<50>			
	extramedullary hematopoiesis	3 (6)	5 (10)	2 (4)	0 (0)	7 (14)	2 (4)	6 (12)	0 (0)	4 (8)	5 (10)	1 (2)	0 (0)	1 (2)	2 (4)	0 (0)	0 (0)	1 (2)	2 (4)	0 (0)	0 (0)
	follicular hyperplasia	2 (4)	0 (0)	0 (0)	0 (0)	3 (6)	1 (2)	1 (2)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)
{Circulatory system}																					
heart		<50>				<50>				<50>				<50>				<50>			
	thrombus	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
artery/aort		<50>				<50>				<50>				<50>				<50>			
	arteritis	0 (0)	0 (0)	1 (2)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	1 (2)	0 (0)
{Digestive system}																					
stomach		<50>				<50>				<50>				<50>				<50>			
	mineralization	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	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
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STUDY NO. : 0498
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HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 6

Organ	Findings	Group Name No. of Animals on Study				Control 50				5000ppm 50				10000ppm 50				20000ppm 50			
		Grade				1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Digestive system)																					
stomach		<50>				<50>				<50>				<50>				<50>			
	inflammatory infiltration	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	ulcer:forestomach	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
		(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
	hyperplasia:forestomach	2	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	2	1	0	0
		(4)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(4)	(2)	(0)	(0)
	erosion:glandular stomach	5	0	0	0	7	0	0	0	5	0	0	0	5	0	0	0	3	0	0	0
		(10)	(0)	(0)	(0)	(14)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(6)	(0)	(0)	(0)
	ulcer:glandular stomach	0	0	0	0	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)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
	hyperplasia:glandular stomach	11	32	0	0	14	31	0	0	12	31	0	0	12	31	0	0	14	32	0	0
		(22)	(64)	(0)	(0)	(28)	(62)	(0)	(0)	(24)	(63)	(0)	(0)	(24)	(63)	(0)	(0)	(28)	(64)	(0)	(0)
	dilated glands	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
liver		<50>				<50>				<50>				<50>				<50>			
	herniation	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

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

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HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 7

Organ	Findings	Group Name No. of Animals on Study				Control 50				5000ppm 50				10000ppm 50				20000ppm 50			
		Grade																			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}																					
liver		<50>				<50>				<50>				<50>				<50>			
	angiectasis	3	0	0	0	3	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0
		(6)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(4)	(0)	(0)	(0)
	necrosis:focal	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
		(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)
	fatty change:centeral	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	inflammatory infiltration	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(4)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	inflammatory cell nest	4	0	0	0	3	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0
		(8)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(4)	(0)	(0)	(0)
	clear cell focus	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(2)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	acidophilic cell focus	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
		(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
	basophilic cell focus	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(2)	(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
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 (c) c : b / a * 100
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HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 8

Organ_____	Findings_____	Group Name	Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study	50				50				50				50			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Digestive system)																		
liver			<50>				<50>				<50>				<50>			
	biliary cyst		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
gall bladd			<50>				<50>				<50>				<50>			
	dilatation		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
pancreas			<50>				<50>				<50>				<50>			
	cyst		0	0	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)	(2)	(0)	(0)
(Urinary system)																		
kidney			<50>				<50>				<50>				<50>			
	hydropic change		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)	(2)	(0)	(0)	(0)
	cyst		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	hyaline droplet		0	1	0	0	2	0	1	0	0	0	0	0	0	0	0	0
			(0)	(2)	(0)	(0)	(4)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Crj[Crl:BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 9

		Group Name	Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study	50				50				50				50			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Organ_____	Findings_____		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
<hr/>																		
(Urinary system)																		
kidney			<50>				<50>				<50>				<50>			
	deposit of amyloid		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	hyaline cast		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)	(2)	(0)	(0)	(0)
	inflammatory infiltration		0	0	1	0	3	1	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(2)	(0)	(5)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	lymphocytic infiltration		0	0	0	0	2	0	0	0	3	0	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
	osseous metaplasia		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
inflammatory polyp		0	0	0	0	0	2	0	0	0	1	0	0	0	2	1	0	
		(0)	(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(4)	(2)	(0)	
arteritis		0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(3)	(0)	
hydronephrosis		0	0	2	0	1	1	3	0	0	0	1	0	0	1	4	0	
		(0)	(0)	(4)	(0)	(2)	(2)	(6)	(0)	(0)	(0)	(2)	(0)	(0)	(2)	(8)	(0)	

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

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Crj[BDF1]
REPORT TYPE : A1
SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 10

Organ	Findings	Group Name No. of Animals on Study				Control 50				5000ppm 50				10000ppm 50				20000ppm 50			
		Grade																			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Urinary system)																					
kidney	tubular necrosis	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	papillary necrosis	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	dilatation:tubular lumen	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	regeneration:proximal tubule	12	1	0	0	16	0	0	0	14	0	0	0	15	0	0	0	15	0	0	0
		(24)	(2)	(0)	(0)	(32)	(0)	(0)	(0)	(28)	(0)	(0)	(0)	(30)	(0)	(0)	(0)	(30)	(0)	(0)	(0)
urin bladd	dilatation	2	0	0	0	3	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
		(4)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	inflammatory infiltration	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
(Endocrine system)																					
pituitary	angiectasis	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 11

Organ_____	Findings_____	Group Name No. of Animals on Study Grade	Control 50				5000ppm 50				10000ppm 50				20000ppm 50				
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
<hr/>																			
{Endocrine system}																			
pituitary	cyst		<50>				<49>				<50>				<50>				
		3	0	0	0	0	0	0	0	1	0	0	0	3	0	0	0		
		(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(6)	(0)	(0)	(0)		
	hyperplasia		1	1	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0
		(2)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(2)	(0)	(0)	(0)		
	Rathke pouch		3	0	0	0	1	0	0	0	1	0	0	0	5	0	0	0	
		(6)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(10)	(0)	(0)	(0)		
thyroid	arteritis		<50>				<50>				<50>				<50>				
		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0		
		(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)		
adrenal	spindle-cell hyperplasia		<50>				<50>				<50>				<50>				
		8	0	0	0	7	0	0	0	6	1	0	0	0	0	0	0		
		(16)	(0)	(0)	(0)	(14)	(0)	(0)	(0)	(12)	(2)	(0)	(0)	(0)	(0)	(0)	0 **		
	hyperplasia:cortical cell		3	0	0	0	4	2	0	0	7	0	0	0	3	0	0	0	
		(6)	(0)	(0)	(0)	(8)	(4)	(0)	(0)	(14)	(0)	(0)	(0)	(6)	(0)	(0)	(0)		
<hr/>																			
{Reproductive system}																			
testis	atrophy		<50>				<50>				<50>				<50>				
		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0		
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)		

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Crj[BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 12

Organ	Findings	Group Name No. of Animals on Study				Control 50				5000ppm 50				10000ppm 50				20000ppm 50			
		Grade																			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Reproductive system}																					
testis		<50>				<50>				<50>				<50>				<50>			
	degeneration:seminiferous epithelium	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
epididymis		<50>				<50>				<50>				<50>				<50>			
	inflammatory infiltration	1	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
		(2)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
	spermatogenic granuloma	1	1	0	0	0	1	0	0	3	0	0	0	0	0	0	0	0	0	0	0
		(2)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
semin ves		<50>				<50>				<50>				<50>				<50>			
	hemorrhage	2	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
		(4)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
prostate		<50>				<50>				<50>				<50>				<50>			
	inflammation	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
prep/cli gl		<50>				<50>				<50>				<50>				<50>			
	cyst	1	1	6	0	0	0	5	0	0	1	2	0	0	0	1	0	0	0	1	0
		(2)	(2)	(12)	(0)	(0)	(0)	(10)	(0)	(0)	(2)	(4)	(0)	(0)	(0)	(2)	(0)	(0)	(2)	(0)	(0)
{Nervous system}																					
brain		<50>				<50>				<50>				<50>				<50>			
	mineralization	3	0	0	0	3	0	0	0	3	0	0	0	1	0	0	0	1	0	0	0
		(6)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 13

Organ	Findings	Group Name No. of Animals on Study Grade	Control				5000ppm				10000ppm				20000ppm			
			50				50				50				50			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Nervous system)																		
brain	epidermal cyst		<50>				<50>				<50>				<50>			
			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)	(2)	(0)	(0)	(0)
(Special sense organs/appendage)																		
eye	phthisis bulbi		<50>				<50>				<50>				<50>			
			0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	degeneration:cornea		1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
harder gl	hyperplasia		<50>				<50>				<50>				<50>			
			1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
			(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
(Musculoskeletal system)																		
bone	osteosclerosis		<50>				<50>				<50>				<50>			
			0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 14

		Group Name	Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study	50				50				50				50			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Organ	Findings		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
<hr/>																		
{Body cavities}																		
mediastinum			<50>				<50>				<50>				<50>			
	xanthogranuloma		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
peritoneum			<50>				<50>				<50>				<50>			
	hemorrhage		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	inflammation		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
<hr/>																		
Grade	1 : Slight	2 : Moderate	3 : Marked	4 : Severe														
< a >	a : Number of animals examined at the site																	
b	b : Number of animals with lesion																	
(c)	c : b / a * 100																	
Significant difference ; * : P ≤ 0.05 ** : P ≤ 0.01 Test of Chi Square																		
<hr/>																		
(HPT150)																		

APPENDIX M 2

HISTOPATHOLOGICAL FINDINGS :
NON-NEOPLASTIC LESIONS : MALE
DEAD AND MORIBUND ANIMALS

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 1

Organ_____	Findings_____	Group Name	Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study	15				15				8				9			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)

{Integumentary system/appandage}

skin/app	ulcer	<15>				<15>				< 8>				< 9>				
		1	0	0	0	1	0	0	0	0	0	0	0	0	0	0		
		(7)	(0)	(0)	(0)	(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)		
	inflammation	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0
		(0)	(7)	(0)	(0)	(0)	(0)	(7)	(0)	(0)	(13)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
		(0)	(7)	(0)	(0)	(0)	(0)	(7)	(0)	(0)	(13)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	scab	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
		(0)	(0)	(0)	(0)	(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
subcutis	inflammation	<15>				<15>				< 8>				< 9>				
		0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	
		(0)	(0)	(7)	(0)	(0)	(0)	(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

{Respiratory system}

nasal cavit	inflammation	<15>				<15>				< 8>				< 9>			
		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
		(0)	(0)	(0)	(0)	(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
	eosinophilic change:olfactory epithelium	2	1	0	0	2	0	0	0	3	0	0	0	3	0	0	0
		(13)	(7)	(0)	(0)	(13)	(0)	(0)	(0)	(38)	(0)	(0)	(0)	(33)	(0)	(0)	(0)
		(13)	(7)	(0)	(0)	(13)	(0)	(0)	(0)	(38)	(0)	(0)	(0)	(33)	(0)	(0)	(0)

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 2

Organ	Findings	Group Name No. of Animals on Study Grade	Control 15				5000ppm 15				10000ppm 8				20000ppm 9			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																		
nasal cavit	eosinophilic change:respiratory epithelium		<15>				<15>				< 8>				< 9>			
		2	1	0	0	5	0	0	0	0	0	0	0	2	0	0	0	
		(13)	(7)	(0)	(0)	(33)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(22)	(0)	(0)	(0)	
	respiratory metaplasia:olfactory epithelium		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
			respiratory metaplasia:gland		1	0	0	0	0	1	0	0	1	0	0	0	0	0
(7)	(0)			(0)	(0)	(0)	(7)	(0)	(0)	(13)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
nasopharynx	eosinophilic change				<15>				<15>				< 8>				< 9>	
		1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	
		(7)	(0)	(0)	(0)	(13)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
lung	hemorrhage		<15>				<15>				< 8>				< 9>			
		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
		(0)	(0)	(0)	(0)	(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
	inflammation		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
			inflammatory infiltration		0	0	0	0	1	1	0	0	0	0	0	0	0	0
(0)	(0)			(0)	(0)	(7)	(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	

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

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[BDF1]
REPORT TYPE : A1
SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 3

Organ_____	Findings_____	Group Name	Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study	15				15				8				9			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																		
lung			<15>				<15>				< 8>				< 9>			
	bronchiolar-alveolar cell hyperplasia		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Hematopoietic system}																		
bone marrow			<15>				<15>				< 8>				< 9>			
	erythropoiesis:increased		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	granulopoiesis:increased		0	0	0	0	0	0	3	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)
lymph node			<15>				<15>				< 8>				< 9>			
	lymphadenitis		0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(13)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
spleen			<15>				<14>				< 8>				< 9>			
	angiectasis		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	deposit of melanin		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(13)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

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

STUDY NO. : C498
ANIMAL : MOUSE B6D2F1/Cr1j[Crl:BDF1]
REPORT TYPE : A1
SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 4

Organ	Findings	Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study				15				8				9			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Hematopoietic system}																	
spleen	extramedullary hematopoiesis	<15>				<14>				< 8>				< 9>			
		2	4	2	0	2	1	5	0	0	4	1	0	1	0	0	0
		(13)	(27)	(13)	(0)	(14)	(7)	(36)	(0)	(0)	(50)	(13)	(0)	(11)	(0)	(0)	(0)
{Circulatory system}																	
heart	thrombus	<15>				<15>				< 8>				< 9>			
		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
artery/aort	arteritis	<15>				<15>				< 8>				< 9>			
		0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0
		(0)	(0)	(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(11)	(0)
{Digestive system}																	
stomach	ulcer:forestomach	<15>				<15>				< 8>				< 9>			
		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	erosion:glandular stomach	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(7)	(0)	(0)	(0)	(13)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 5

Organ	Findings	Group Name No. of Animals on Study Grade				Control 15				5000ppm 15				10000ppm 8				20000ppm 9			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Digestive system)																					
stomach	ulcer:glandular stomach	<15>				<15>				< 8>				< 9>							
		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)	(11)	(0)	(0)	(0)				
	hyperplasia:glandular stomach	7	4	0	0	4	8	0	0	4	3	0	0	5	3	0	0				
		(47)	(27)	(0)	(0)	(27)	(53)	(0)	(0)	(50)	(38)	(0)	(0)	(56)	(33)	(0)	(0)				
liver	herniation	<15>				<15>				< 8>				< 9>							
		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0				
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(13)	(0)	(0)	(0)	(0)	(0)	(0)	(0)				
	necrosis:focal	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
		(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)				
	inflammatory infiltration	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0				
		(0)	(0)	(0)	(0)	(7)	(0)	(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)				
	acidophilic cell focus	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0				
		(0)	(0)	(0)	(0)	(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)				
gall bladd	dilatation	<15>				<15>				< 8>				< 9>							
		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
		(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)				

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 6

		Group Name	Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study	15				15				8				9			
Organ_____	Findings_____	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
<hr/>																		
{Urinary system}																		
kidney																		
			<15>				<15>				< 8>				< 9>			
	hyaline droplet		0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
			(0)	(7)	(0)	(0)	(0)	(0)	(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	deposit of amyloid		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	inflammatory infiltration		0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(7)	(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	lymphocytic infiltration		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(13)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	inflammatory polyp		0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0
			(0)	(0)	(0)	(0)	(0)	(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(11)	(0)	(0)
	arteritis		0	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)	(11)	(0)	(0)
	hydronephrosis		0	0	2	0	0	1	2	0	0	0	0	0	0	1	1	0
			(0)	(0)	(13)	(0)	(0)	(7)	(13)	(0)	(0)	(0)	(0)	(0)	(0)	(11)	(11)	(0)
	tubular necrosis		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Cxj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 7

Organ	Findings	Control No. of Animals on Study Grade				5000ppm 15				10000ppm 8				20000ppm 9			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Urinary system}																	
kidney		<15>				<15>				< 8>				< 9>			
	papillary necrosis	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	dilatation:tubular lumen	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(7)	(0)	(0)	(0)	(13)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	regeneration:proximal tubule	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(7)	(0)	(0)	(0)	(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
urin bladd		<15>				<15>				< 8>				< 9>			
	dilatation	2	0	0	0	3	0	0	0	2	0	0	0	0	0	0	0
		(13)	(0)	(0)	(0)	(20)	(0)	(0)	(0)	(25)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	inflammatory infiltration	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Endocrine system}																	
pituitary		<15>				<14>				< 8>				< 9>			
	cyst	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(13)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Crlj[Crlj:BDFl]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 8

Organ	Findings	Group Name No. of Animals on Study Grade				Control 15				5000ppm 15				10000ppm 8				20000ppm 9			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Endocrine system}																					
pituitary		<15>				<14>				< 8>				< 9>							
	hyperplasia	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
adrenal		<15>				<15>				< 8>				< 9>							
	hyperplasia:cortical cell	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Reproductive system}																					
epididymis		<15>				<15>				< 8>				< 9>							
	inflammatory infiltration	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
semin ves		<15>				<15>				< 8>				< 9>							
	hemorrhage	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(13)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
prep/cli gl		<15>				<15>				< 8>				< 9>							
	cyst	0	0	3	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(20)	(0)	(0)	(0)	(7)	(0)	(0)	(13)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Nervcus system}																					
brain		<15>				<15>				< 8>				< 9>							
	mineralization	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(7)	(0)	(0)	(0)	(13)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Crlj[Crlj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 9

Organ	Findings	Group Name				Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study				15				15				8				9			
		Grade				1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)

{Special sense organs/appendage}

eye	phthisis bulbi	<15>				<15>				< 8>				< 9>			
		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

{Body cavities}

peritoneum	inflammation	<15>				<15>				< 8>				< 9>			
		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(7)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

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

(HPT150)

BAIS4

APPENDIX M 3

HISTOPATHOLOGICAL FINDINGS :
NON-NEOPLASTIC LESIONS : MALE
SACRIFICED ANIMALS

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (105W)

PAGE : 1

Organ_____	Findings_____	Group Name	Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study	35				35				42				41			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)

{Integumentary system/appandage}

skin/app		<35>	<35>	<42>	<41>
	inflammation	1 1 0 0 (3) (3) (0) (0)	0 0 0 0 (0) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)
	epidermal cyst	0 0 0 0 (0) (0) (0) (0)	2 0 0 0 (6) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)
subcutis		<35>	<35>	<42>	<41>
	hemorrhage	0 0 0 0 (0) (0) (0) (0)	1 0 0 0 (3) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)
	inflammation	0 1 0 0 (0) (3) (0) (0)	0 0 0 0 (0) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)

{Respiratory system}

nasal cavit		<35>	<35>	<42>	<41>
	hyperplasia:gland	1 0 0 0 (3) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)
	eosinophilic change:olfactory epithelium	9 0 0 0 (26) (0) (0) (0)	12 0 0 0 (34) (0) (0) (0)	18 0 0 0 (43) (0) (0) (0)	12 0 0 0 (29) (0) (0) (0)

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (105W)

PAGE : 2

Organ_____	Findings_____	Group Name	Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study	35				35				42				41			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																		
nasal cavit			<35>				<35>				<42>				<41>			
	eosinophilic change:respiratory epithelium	16	0	0	0	7	0	0	0 *	18	0	0	0	21	1	0	0	
		(46)	(0)	(0)	(0)	(20)	(0)	(0)	(0)	(43)	(0)	(0)	(0)	(51)	(2)	(0)	(0)	
	inflammation:foreign body	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
		(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	
	respiratory metaplasia:olfactory epithelium	1	0	0	0	3	0	0	0	1	0	0	0	0	0	0	0	
		(3)	(0)	(0)	(0)	(9)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
	respiratory metaplasia:gland	4	0	0	0	3	0	0	0	4	0	0	0	3	0	0	0	
		(11)	(0)	(0)	(0)	(9)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(7)	(0)	(0)	(0)	
	atrophy:olfactory epithelium	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)	(2)	(0)	(0)	(0)	
nasopharynx			<35>				<35>				<42>				<41>			
	eosinophilic change	1	0	0	0	1	0	0	0	1	0	0	0	2	0	0	0	
		(3)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(5)	(0)	(0)	(0)	
lung			<35>				<35>				<42>				<41>			
	inflammation	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)	(5)	(0)	(0)	(0)	

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Crj[BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (105W)

PAGE : 3

Organ	Findings	Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study				35				42				41			
		Grade				1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																	
lung		<35>				<35>				<42>				<41>			
	lymphocytic infiltration	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	bronchiolar-alveolar cell hyperplasia	4 (11)	0 (0)	0 (0)	0 (0)	3 (9)	2 (6)	0 (0)	0 (0)	4 (10)	0 (0)	0 (0)	0 (0)	4 (10)	0 (0)	0 (0)	0 (0)
{Hematopoietic system}																	
bone marrow		<35>				<35>				<42>				<41>			
	angiectasis	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	granulation	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	increased 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)	1 (2)	0 (0)	0 (0)	0 (0)
	erythropoiesis:increased	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hyperplasia:mast cell	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Grade	1 : Slight 2 : Moderate 3 : Marked 4 : Severe																
< a >	a : Number of animals examined at the site																
b	b : Number of animals with lesion																
(c)	c : b / a * 100																
Significant difference ;	* : P ≤ 0.05 ** : P ≤ 0.01 Test of Chi Square																

STUDY NO. : 0498
ANIMAL : MOUSE BGD2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
SACRIFICED ANIMALS (105W)

PAGE : 4

		Group Name	Control				5000ppm				10000ppm				20000ppm				
		No. of Animals on Study	35				35				42				41				
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
(Hematopoietic system)																			
bone marrow			<35>				<35>				<42>				<41>				
	granulopoiesis:increased		1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
			(3)	(0)	(0)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
spleen			<35>				<35>				<42>				<41>				
	deposit of melanin		1	0	0	0	0	0	0	0	0	2	0	0	0	3	0	0	0
			(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(5)	(0)	(0)	(0)	(7)	(0)	(0)	(0)	
	extramedullary hematopoiesis		1	1	0	0	5	1	1	0	4	1	0	0	0	2	0	0	0
			(3)	(3)	(0)	(0)	(14)	(3)	(3)	(0)	(10)	(2)	(0)	(0)	(0)	(5)	(0)	(0)	
			<35>				<35>				<42>				<41>				
			2	0	0	0	3	1	1	0	1	0	0	0	3	0	0	0	
			(6)	(0)	(0)	(0)	(9)	(3)	(3)	(0)	(2)	(0)	(0)	(0)	(7)	(0)	(0)	(0)	
(Circulatory system)																			
artery/aort			<35>				<35>				<42>				<41>				
	arteritis		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
			(0)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
(Digestive system)																			
stomach			<35>				<35>				<42>				<41>				
	mineralization		1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
			(3)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	

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

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
SACRIFICED ANIMALS (105W)

PAGE : 5

Organ	Findings	Group Name No. of Animals on Study Grade				Control 35				5000ppm 35				10000ppm 42				20000ppm 41			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}																					
stomach		<35>				<35>				<42>				<41>							
	inflammatory infiltration	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(3)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	ulcer:forestomach	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
		(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
	hyperplasia:forestomach	2	0	0	0	0	1	0	0	0	0	0	0	2	1	0	0	5	2	0	0
		(6)	(0)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(5)	(2)	(0)	(0)	(5)	(2)	(0)	(0)
	erosion:glandular stomach	5	0	0	0	6	0	0	0	4	0	0	0	3	0	0	0	7	0	0	0
		(14)	(0)	(0)	(0)	(17)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(7)	(0)	(0)	(0)	(7)	(0)	(0)	(0)
	hyperplasia:glandular stomach	4	28	0	0	10	23	0	0	8	31	0	0	9	29	0	0	22	71	0	0
		(11)	(80)	(0)	(0)	(29)	(66)	(0)	(0)	(19)	(74)	(0)	(0)	(22)	(71)	(0)	(0)	(22)	(71)	(0)	(0)
	dilated glands	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(3)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
liver		<35>				<35>				<42>				<41>							
	angiectasis	3	0	0	0	3	0	0	0	2	0	0	0	2	0	0	0	5	0	0	0
		(9)	(0)	(0)	(0)	(9)	(0)	(0)	(0)	(5)	(0)	(0)	(0)	(5)	(0)	(0)	(0)	(5)	(0)	(0)	(0)
	necrosis:focal	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	5	0	0	0
		(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(5)	(0)	(0)	(0)	(5)	(0)	(0)	(0)
Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe < a > a : Number of animals examined at the site b : Number of animals with lesion (c) c : b / a * 100 Significant difference ; * : P ≤ 0.05 ** : P ≤ 0.01 Test of Chi Square																					

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (105W)

PAGE : 6

		Group Name	Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study	35				35				42				41			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}																		
liver			<35>				<35>				<42>				<41>			
	fatty change:central		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	inflammatory infiltration		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	inflammatory cell nest		4	0	0	0	3	0	0	0	2	0	0	0	2	0	0	0
			(11)	(0)	(0)	(0)	(9)	(0)	(0)	(0)	(5)	(0)	(0)	(0)	(5)	(0)	(0)	(0)
	clear cell focus		1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
			(3)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	acidophilic cell focus		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)	(2)	(0)	(0)	(0)
	basophilic cell focus		0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	biliary cyst		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
pancreas			<35>				<35>				<42>				<41>			
	cyst		0	0	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)	(2)	(0)
Grade		1 : Slight	2 : Moderate				3 : Marked				4 : Severe							
< a >		a : Number of animals examined at the site																
b		b : Number of animals with lesion																
(c)		c : b / a * 100																
Significant difference ;		* : P ≤ 0.05 ** : P ≤ 0.01 Test of Chi Square																

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (105W)

PAGE : 7

		Group Name				5000ppm				10000ppm				20000ppm							
		No. of Animals on Study				35				35				42				41			
		Grade				35				35				42				41			
Organ	Findings	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)				
(Urinary system)																					
kidney		<35>				<35>				<42>				<41>							
	hydropic change	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)	(2)	(0)	(0)	(0)				
	cyst	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
		(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)				
	hyaline droplet	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0				
		(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)				
	hyaline cast	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)	(2)	(0)	(0)	(0)					
	inflammatory infiltration	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0				
		(0)	(0)	(3)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)				
	lymphocytic infiltration	0	0	0	0	2	0	0	0	2	0	0	0	1	0	0	0				
		(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(5)	(0)	(0)	(0)	(2)	(0)	(0)	(0)				
	osseous metaplasia	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0				
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)				
	inflammatory polyp	0	0	0	0	0	1	0	0	0	1	0	0	0	1	1	0				
		(0)	(0)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(2)	(0)				
Grade	1 : Slight	2 : Moderate		3 : Marked		4 : Severe															
< a >	a : Number of animals examined at the site																				
b	b : Number of animals with lesion																				
(c)	c : b / a * 100																				
Significant difference ; * : P ≤ 0.05 ** : P ≤ 0.01 Test of Chi Square																					

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (105W)

PAGE : 8

Organ_____	Findings_____	Group Name	Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study	35				35				42				41			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
<hr/>																		
{Urinary system}																		
kidney			<35>				<35>				<42>				<41>			
	hydronephrosis		0	0	0	0	1	0	1	0	0	0	1	0	0	0	3	0
		(0)	(0)	(0)	(0)	(3)	(0)	(3)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(7)	(0)	
	regeneration:proximal tubule		11	1	0	0	15	0	0	0	14	0	0	0	15	0	0	0
		(31)	(3)	(0)	(0)	(43)	(0)	(0)	(0)	(33)	(0)	(0)	(0)	(37)	(0)	(0)	(0)	
urin bladd			<35>				<35>				<42>				<41>			
	inflammatory infiltration		1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
		(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
{Endocrine system}																		
pituitary			<35>				<35>				<42>				<41>			
	angiectasis		1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(3)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
	cyst		1	0	0	0	0	0	0	0	1	0	0	0	3	0	0	0
		(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(7)	(0)	(0)	(0)	
	hyperplasia		0	1	0	0	0	0	0	0	2	0	0	0	1	0	0	0
		(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(5)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	

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

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
SACRIFICED ANIMALS (105W)

PAGE : 9

Organ	Findings	Control No. of Animals on Study Grade				5000ppm 35				10000ppm 42				20000ppm 41			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Endocrine system)																	
pituitary	Rathke pouch	<35>				<35>				<42>				<41>			
		3	0	0	0	1	0	0	0	1	0	0	0	5	0	0	0
		(9)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(12)	(0)	(0)	(0)
thyroid	arteritis	<35>				<35>				<42>				<41>			
		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
adrenal	spindle-cell hyperplasia	<35>				<35>				<42>				<41>			
		8	0	0	0	7	0	0	0	6	1	0	0	0	0	0	0 **
		(23)	(0)	(0)	(0)	(20)	(0)	(0)	(0)	(14)	(2)	(0)	(0)	(0)	(0)	(0)	(0)
	hyperplasia:cortical cell	<35>				<35>				<42>				<41>			
		2	0	0	0	4	2	0	0	7	0	0	0	3	0	0	0
		(6)	(0)	(0)	(0)	(11)	(6)	(0)	(0)	(17)	(0)	(0)	(0)	(7)	(0)	(0)	(0)
(Reproductive system)																	
testis	atrophy	<35>				<35>				<42>				<41>			
		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	degeneration:seminiferous epithelium	<35>				<35>				<42>				<41>			
		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

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

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Crj[BDF1]
REPORT TYPE : A1
SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
SACRIFICED ANIMALS (105W)

PAGE : 10

		Group Name	Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study	35				35				42				41			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Reproductive system)																		
epididymis			<35>				<35>				<42>				<41>			
	inflammatory infiltration		1 (3)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	spermatogenic granuloma		1 (3)	1 (3)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	3 (7)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
semin ves			<35>				<35>				<42>				<41>			
	hemorrhage		2 (6)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
prostate			<35>				<35>				<42>				<41>			
	inflammation		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
prep/cli gl			<35>				<35>				<42>				<41>			
	cyst		1 (3)	1 (3)	3 (9)	0 (0)	0 (0)	0 (0)	4 (11)	0 (0)	0 (0)	0 (0)	0 (0)	2 (5)	0 (0)	0 (0)	0 (0)	1 (2)
(Nervous system)																		
brain			<35>				<35>				<42>				<41>			
	mineralization		3 (9)	0 (0)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	0 (0)	2 (5)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)

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

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
SACRIFICED ANIMALS (105W)

PAGE : 11

		Group Name	Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study	35				35				42				41			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Nervous system}																		
brain			<35>				<35>				<42>				<41>			
	epidermal cyst		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)	(2)	(0)	(0)	(0)
{Special sense organs/appendage}																		
eye			<35>				<35>				<42>				<41>			
	degeneration:cornea		1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(3)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Harder gl			<35>				<35>				<42>				<41>			
	hyperplasia		1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
			(3)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
{Musculoskeletal system}																		
bone			<35>				<35>				<42>				<41>			
	osteosclerosis		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Body cavities}																		
mediastinum			<35>				<35>				<42>				<41>			
	xanthogranuloma		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Grade	1 : Slight 2 : Moderate 3 : Marked 4 : Severe																	
< a >	a : Number of animals examined at the site																	
b	b : Number of animals with lesion																	
(c)	c : b / a * 100																	
Significant difference ; * : P ≤ 0.05 ** : P ≤ 0.01 Test of Chi Square																		

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (105W)

PAGE : 12

Organ_____	Findings_____	Group Name Control				5000ppm				10000ppm				20000ppm							
		No. of Animals on Study				35				35				42				41			
		Grade																			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)				

{Body cavities}

peritoneum	hemorrhage	<35>				<35>				<42>				<41>			
		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

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

(HPT150)

BAIS4

APPENDIX M 4

HISTOPATHOLOGICAL FINDINGS :
NON-NEOPLASTIC LESIONS : FEMALE
ALL ANIMALS

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 15

		Group Name	Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study	50				50				50				50			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Integumentary system/appandage}																		
skin/app			<50>				<50>				<50>				<50>			
	scab		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
subcutis			<50>				<50>				<50>				<50>			
	inflammation		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Respiratory system}																		
nasal cavit			<50>				<50>				<50>				<50>			
	inflammation		3	0	0	0	3	0	0	0	0	0	0	0	1	0	0	0
			(6)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
	eosinophilic change:olfactory epithelium		15	0	0	0	16	0	0	0	14	0	0	0	18	0	0	0
			(30)	(0)	(0)	(0)	(32)	(0)	(0)	(0)	(28)	(0)	(0)	(0)	(36)	(0)	(0)	(0)
	eosinophilic change:respiratory epithelium		42	2	0	0	39	3	0	0	43	2	0	0	38	7	1	0
			(84)	(4)	(0)	(0)	(78)	(6)	(0)	(0)	(86)	(4)	(0)	(0)	(76)	(14)	(2)	(0)
	inflammation:foreign body		1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
			(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
Grade	1 : Slight 2 : Moderate 3 : Marked 4 : Severe																	
< a >	a : Number of animals examined at the site																	
b	b : Number of animals with lesion																	
(c)	c : b / a * 100																	
Significant difference : * : P ≤ 0.05 ** : P ≤ 0.01 Test of Chi Square																		

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 16

Organ	Findings	Group Name No. of Animals on Study Grade	Control 50				5000ppm 50				10000ppm 50				20000ppm 50			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Respiratory system)																		
nasal cavit			<50>				<50>				<50>				<50>			
	respiratory metaplasia:olfactory epithelium		4	0	0	0	7	0	0	0	10	0	0	0	6	0	0	0
			(8)	(0)	(0)	(0)	(14)	(0)	(0)	(0)	(20)	(0)	(0)	(0)	(12)	(0)	(0)	(0)
	respiratory metaplasia:gland		13	0	0	0	15	0	0	0	11	0	0	0	20	0	0	0
			(26)	(0)	(0)	(0)	(30)	(0)	(0)	(0)	(22)	(0)	(0)	(0)	(40)	(0)	(0)	(0)
	hyperplasia:transitional epithelium		1	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0
			(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(4)	(0)	(0)	(0)
	atrophy:olfactory epithelium		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
nasopharynx			<50>				<50>				<50>				<50>			
	eosinophilic change		2	0	0	0	2	0	0	0	2	0	0	0	4	0	0	0
			(4)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(8)	(0)	(0)	(0)
lung			<50>				<50>				<50>				<50>			
	congestion		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	interstitial pneumonia		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 17

Organ	Findings	Group Name No. of Animals on Study Grade	Control				5000ppm				10000ppm				20000ppm			
			50				50				50				50			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Respiratory system)																		
lung			<50>				<50>				<50>				<50>			
	bronchiolar-alveolar cell hyperplasia		0	0	0	0	1	0	0	0	0	0	0	0	2	0	0	0
			(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)
(Hematopoietic system)																		
bone marrow			<50>				<50>				<50>				<50>			
	angiectasis		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	thrombus		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	granulation		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	granulopoiesis:increased		0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(2)	(0)	(0)
lymph node			<50>				<50>				<50>				<50>			
	lymphadenitis		0	0	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)	(2)	(0)

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

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 18

Organ_____	Findings_____	Group Name	Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study	50				50				50				50			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Hematopoietic system}																		
lymph node			<50>				<50>				<50>				<50>			
	accumulation of histiocyte		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
spleen			<50>				<50>				<50>				<50>			
	angiectasis		0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	deposit of melanin		3	0	0	0	1	0	0	0	2	0	0	0	2	0	0	0
			(6)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(4)	(0)	(0)	(0)
	extramedullary hematopoiesis		5	3	10	0	3	2	6	0	5	4	6	0	4	4	5	0
			(10)	(6)	(20)	(0)	(6)	(4)	(12)	(0)	(10)	(8)	(12)	(0)	(8)	(8)	(10)	(0)
	granulopoiesis:increased		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	follicular hyperplasia		2	0	0	0	2	1	1	0	2	0	0	0	4	0	0	0
			(4)	(0)	(0)	(0)	(4)	(2)	(2)	(0)	(4)	(0)	(0)	(0)	(8)	(0)	(0)	(0)
{Circulatory system}																		
heart			<50>				<50>				<50>				<50>			
	thrombus		0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0
			(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 19

		Group Name	Control				5000ppm				10000ppm				20000ppm				
		No. of Animals on Study	50				50				50				50				
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
(Circulatory system)																			
heart	mineralization		<50>				<50>				<50>				<50>				
		1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
			(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
artery/aort	arteritis		<50>				<50>				<50>				<50>				
		1	0	0	0	1	0	0	0	0	0	2	0	1	0	1	0	0	
			(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(4)	(0)	(2)	(0)	(2)	(0)	
(Digestive system)																			
tooth	dysplasia		<50>				<50>				<50>				<50>				
		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)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	
salivary gl	necrosis:focal		<50>				<50>				<50>				<50>				
		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
				(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
	lymphocytic infiltration		3	0	0	0	3	1	0	0	6	0	0	0	3	0	0	0	0
			(6)	(0)	(0)	(0)	(6)	(2)	(0)	(0)	(12)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	
	xanthogranuloma		0	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)	(2)	(0)	(0)	(0)
Grade	1 : Slight 2 : Moderate 3 : Marked 4 : Severe																		
< a >	a : Number of animals examined at the site																		
b	b : Number of animals with lesion																		
(c)	c : b / a * 100																		
Significant difference : * : P ≤ 0.05 ** : P ≤ 0.01 Test of Chi Square																			

STUDY NO. : 0498
 ANIMAL : MOUSE BGD2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 20

Organ	Findings	Control				5000ppm				10000ppm				20000ppm			
		50				50				50				50			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Digestive system)																	
stomach		<50>				<50>				<50>				<50>			
	inflammatory infiltration	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)	(2)	(0)	(0)	(0)
	ulcer:forestomach	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	hyperplasia:forestomach	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)	(2)	(0)	(0)	(0)
	erosion:glandular stomach	2	1	0	0	4	0	0	0	1	0	0	0	3	0	0	0
		(4)	(2)	(0)	(0)	(8)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(6)	(0)	(0)	(0)
	ulcer:glandular stomach	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(2)	(4)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	hyperplasia:glandular stomach	19	27	0	0	15	31	0	0	16	30	0	0	17	28	0	0
		(38)	(54)	(0)	(0)	(30)	(62)	(0)	(0)	(32)	(60)	(0)	(0)	(34)	(56)	(0)	(0)
small intes		<50>				<50>				<50>				<50>			
	inflammation	0	0	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)	(2)	(0)
	arteritis	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)	(2)	(0)	(0)	(0)	(0)	(0)

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 21

Organ	Findings	Group Name No. of Animals on Study Grade	Control 50				5000ppm 50				10000ppm 50				20000ppm 50			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Digestive system)																		
liver	angiectasis		11 (22)	0 (0)	0 (0)	0 (0)	5 (10)	0 (0)	0 (0)	0 (0)	12 (24)	1 (2)	0 (0)	0 (0)	6 (12)	0 (0)	0 (0)	0 (0)
	necrosis:central		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	necrosis:focal		0 (0)	1 (2)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	inflammatory infiltration		0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)
	inflammatory cell nest		8 (16)	0 (0)	0 (0)	0 (0)	10 (20)	0 (0)	0 (0)	0 (0)	5 (10)	1 (2)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)
	fibrosis:focal		1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	clear cell focus		1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	basophilic cell focus		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

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

STUDY NO. : 0498
 ANIMAL : MOUSE BGD2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 22

Organ	Findings	Group Name No. of Animals on Study				Control 50				5000ppm 50				10000ppm 50				20000ppm 50			
		Grade																			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}																					
liver		<50>				<50>				<50>				<50>				<50>			
	biliary cyst	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(4)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
pancreas		<50>				<50>				<50>				<50>				<50>			
	cyst	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)
	inflammatory infiltration	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)
{Urinary system}																					
kidney		<50>				<50>				<50>				<50>				<50>			
	hyaline droplet	1	2	8	0	1	2	6	0	1	3	3	0	0	4	3	0	0	4	3	0
		(2)	(4)	(16)	(0)	(2)	(4)	(12)	(0)	(2)	(6)	(6)	(0)	(0)	(8)	(6)	(0)	(0)	(8)	(6)	(0)
	deposit of amyloid	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0
		(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)
	deposit of hemosiderin	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6E2F1/Crj[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 24

Organ	Findings	Group Name No. of Animals on Study Grade	Control 50				5000ppm 50				10000ppm 50				20000ppm 50			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Endocrine system}																		
pituitary	hemorrhage		<50>				<50>				<49>				<50>			
			0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	cyst		4	0	0	0	2	0	0	0	2	0	0	0	6	0	0	0
			(8)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(12)	(0)	(0)	(0)
	hyperplasia		4	4	0	0	9	3	0	0	7	1	0	0	4	4	0	0
adrenal			(8)	(8)	(0)	(0)	(18)	(6)	(0)	(0)	(14)	(2)	(0)	(0)	(8)	(8)	(0)	(0)
	hemorrhage		<50>				<50>				<50>				<50>			
			3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
			(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
	extramedullary hematopoiesis		0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	spindle-cell hyperplasia		23	0	0	0	26	0	0	0	34	0	0	0 *	29	0	0	0
			(46)	(0)	(0)	(0)	(52)	(0)	(0)	(0)	(68)	(0)	(0)	(0)	(58)	(0)	(0)	(0)
	hyperplasia:cortical cell		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	focal fatty change:cortex		0	0	0	0	2	0	0	0	1	1	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(2)	(2)	(0)	(0)	(2)	(0)	(0)	(0)

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 25

Organ	Findings	Group Name No. of Animals on Study Grade	Control 50				5000ppm 50				10000ppm 50				20000ppm 50			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Reproductive system}																		
ovary			<50>				<50>				<50>				<50>			
	thrombus		0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
	cyst		4	0	0	0	7	0	0	0	11	0	0	0	5	1	0	0
			(8)	(0)	(0)	(0)	(14)	(0)	(0)	(0)	(22)	(0)	(0)	(0)	(10)	(2)	(0)	(0)
	xanthogranuloma		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)	(2)	(0)	(0)	(0)
uterus			<50>				<50>				<50>				<50>			
	thrombus		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	cystic endometrial hyperplasia		16	12	3	0	20	15	3	0	16	15	4	0	19	15	3	0
			(32)	(24)	(6)	(0)	(40)	(30)	(6)	(0)	(32)	(30)	(8)	(0)	(38)	(30)	(6)	(0)
{Nervous system}																		
brain			<50>				<50>				<50>				<50>			
	hemorrhage		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

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

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 23

Organ	Findings	Group Name No. of Animals on Study Grade	Control				5000ppm				10000ppm				20000ppm			
			50				50				50				50			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Urinary system}																		
kidney			<50>				<50>				<50>				<50>			
	inflammatory infiltration		0	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)	(2)	(0)	(0)
	lymphocytic infiltration		2	0	0	0	3	0	0	0	4	0	0	0	2	0	0	0
			(4)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(8)	(0)	(0)	(0)	(4)	(0)	(0)	(0)
	inflammatory polyp		0	2	0	0	0	0	0	0	0	1	0	0	0	2	0	0
			(0)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(4)	(0)	(0)
	hydronephrosis		0	1	3	0	1	1	0	0	2	0	1	0	2	0	0	0
			(0)	(2)	(6)	(0)	(2)	(2)	(0)	(0)	(4)	(0)	(2)	(0)	(4)	(0)	(0)	(0)
	mineralization:papilla		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	regeneration:proximal tubule		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
ureter			<50>				<50>				<50>				<50>			
	inflammatory infiltration		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)	(2)	(0)	(0)	(0)
{Endocrine system}																		
pituitary			<50>				<50>				<49>				<50>			
	angiectasis		1	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0
			(2)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 26

		Group Name	Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study	50				50				50				50			
Organ_____	Findings_____	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Nervous system)																		
brain			<50>				<50>				<50>				<50>			
	necrosis:focal		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	mineralization		2	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0
			(4)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
periph nerv			<50>				<50>				<50>				<50>			
	hemorrhage		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
(Special sense organs/appendage)																		
eye			<50>				<50>				<50>				<50>			
	keratitis		0	0	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)	(2)	(0)
	degeneration:cornea		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Harder gl			<50>				<50>				<50>				<50>			
	hyperplasia		0	1	0	0	1	1	0	0	0	0	0	0	1	0	0	0
			(0)	(2)	(0)	(0)	(2)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
Grade	1 : Slight		2 : Moderate		3 : Marked		4 : Severe											
< a >	a : Number of animals examined at the site																	
b	b : Number of animals with lesion																	
(c)	c : b / a * 100																	
Significant difference : * : P ≤ 0.05 ** : P ≤ 0.01 Test of Chi Square																		

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 27

Organ	Findings	Control				5000ppm				10000ppm				20000ppm			
		50				50				50				50			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)

{Body cavities}

mediastinum		<50>				<50>				<50>				<50>			
	hemorrhage	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe

< a > a : Number of animals examined at the site

b : Number of animals with lesion

(c) c : b / a * 100

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

(HPT150)

BAIS4

APPENDIX M 5

HISTOPATHOLOGICAL FINDINGS :
NON-NEOPLASTIC LESIONS : FEMALE
DEAD AND MORIBUND ANIMALS

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 11

Organ_____	Findings_____	Group Name	Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study	26				16				18				16			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Respiratory system)																		
nasal cavit			<26>				<16>				<18>				<16>			
	respiratory metaplasia:gland		6	0	0	0	3	0	0	0	4	0	0	0	2	0	0	0
			(23)	(0)	(0)	(0)	(19)	(0)	(0)	(0)	(22)	(0)	(0)	(0)	(13)	(0)	(0)	(0)
	hyperplasia:transitional epithelium		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	atrophy:olfactory epithelium		1	0	0	0	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)
nasopharynx			<26>				<16>				<18>				<16>			
	eosinophilic change		1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
			(4)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
lung			<26>				<16>				<18>				<16>			
	congestion		0	1	0	0	0	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)
	interstitial pneumonia		0	1	0	0	0	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)
	bronchiolar alveolar cell hyperplasia		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

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

STUDY NO. : 0438
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 12

Organ	Findings	Group Name No. of Animals on Study Grade				Control 26				5000ppm 16				10000ppm 18				20000ppm 16			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Hematopoietic system}																					
bone marrow		<26>				<16>				<18>				<16>							
	angiectasis	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	thrombus	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 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	granulation	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	granulopoiesis:increased	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)
lymph node		<26>				<16>				<18>				<16>							
	accumulation of histiocyte	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
spleen		<26>				<16>				<18>				<16>							
	angiectasis	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	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 (8)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	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 : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≤ 0.05 ** : P ≤ 0.01 Test of Chi Square

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 10

		Group Name	Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study	26				16				18				16			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Organ	Findings		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Integumentary system/appandage}																		
skin/app			<26>				<16>				<18>				<16>			
	scab		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
subcutis			<26>				<16>				<18>				<16>			
	inflammation		1	0	0	0	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)
{Respiratory system}																		
nasal cavit			<26>				<16>				<18>				<16>			
	inflammation		1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(4)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	eosinophilic change:olfactory epithelium		6	0	0	0	4	0	0	0	5	0	0	0	1	0	0	0
			(23)	(0)	(0)	(0)	(25)	(0)	(0)	(0)	(28)	(0)	(0)	(0)	(6)	(0)	(0)	(0)
	eosinophilic change:respiratory epithelium		22	0	0	0	10	0	0	0	13	1	0	0	11	1	0	0
			(85)	(0)	(0)	(0)	(63)	(0)	(0)	(0)	(72)	(6)	(0)	(0)	(69)	(6)	(0)	(0)
	respiratory metaplasia:olfactory epithelium		2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
			(8)	(0)	(0)	(0)	(13)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 13

Organ	Findings	Group Name No. of Animals on Study Grade	Control 26				5000ppm 16				10000ppm 18				20000ppm 16			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Hematopoietic system)																		
spleen			<26>				<16>				<18>				<16>			
	extramedullary hematopoiesis		4	2	9	0	1	1	6	0	2	2	6	0	2	3	5	0
			(15)	(8)	(35)	(0)	(6)	(6)	(38)	(0)	(11)	(11)	(33)	(0)	(13)	(19)	(31)	(0)
	follicular hyperplasia		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
(Circulatory system)																		
heart			<26>				<16>				<18>				<16>			
	thrombus		0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0
			(0)	(4)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)
	mineralization		1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(4)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
artery/aort			<26>				<16>				<18>				<16>			
	arteritis		0	0	0	0	0	0	0	0	0	0	2	0	1	0	1	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(11)	(0)	(6)	(0)	(6)	(0)
(Digestive system)																		
tooth			<26>				<16>				<18>				<16>			
	dysplasia		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)	(6)	(0)	(0)	(0)	(0)	(0)

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 14

		Group Name	Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study	26				16				18				16			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Organ_____	Findings_____		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
<hr/>																		
(Digestive system)																		
salivary gl			<26>				<16>				<18>				<16>			
	necrosis:focal		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	xanthogranuloma		0	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)	(0)	(6)	(0)	(0)
stomach			<26>				<16>				<18>				<16>			
	inflammatory infiltration		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)	(0)	(6)	(0)	(0)	(0)
	ulcer:forestomach		1	0	0	0	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)	(0)
	erosion:glandular stomach		1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
		(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)
	ulcer:glandular stomach		0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(8)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	hyperplasia:glandular stomach		13	10	0	0	8	4	0	0	8	7	0	0	8	4	0	0
		(50)	(38)	(0)	(0)	(50)	(25)	(0)	(0)	(44)	(39)	(0)	(0)	(50)	(25)	(0)	(0)	(0)
small intes			<26>				<16>				<18>				<16>			
	inflammation		0	0	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)	(0)	(6)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe

< a > a : Number of animals examined at the site

b : Number of animals with lesion

(c) c : b / a * 100

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 15

Organ_____	Findings_____	Group Name	Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study	26				16				18				16			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
<hr/>																		
{Digestive system}																		
small intes		<26>					<16>				<18>				<16>			
	arteritis	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)	(0)	(6)	(0)	(0)	(0)	(0)	
liver		<26>					<16>				<18>				<16>			
	angiectasis	3	0	0	0	1	0	0	0	1	1	0	0	1	0	0	0	0
		(12)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(6)	(6)	(0)	(0)	(6)	(0)	(0)	(0)	
	necrosis:central	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
	necrosis:focal	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
		(0)	(4)	(0)	(0)	(6)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
	inflammatory infiltration	0	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0
		(0)	(0)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(6)	(0)	(0)	
	fibrosis:focal	1	0	0	0	0	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)	
biliary cyst	1	0	0	0	0	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)		
pancreas		<26>					<16>				<18>				<16>			
	inflammatory infiltration	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)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 16

Organ	Findings	Control No. of Animals on Study Grade				5000ppm 16				10000ppm 18				20000ppm 16			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Urinary system}																	
kidney		<26>				<16>				<18>				<16>			
	hyaline droplet	1 (4)	2 (8)	7 (27)	0 (0)	0 (0)	2 (13)	5 (31)	0 (0)	1 (6)	2 (11)	3 (17)	0 (0)	0 (0)	4 (25)	3 (19)	0 (0)
	deposit of amyloid	0 (0)	0 (0)	1 (4)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	deposit of hemosiderin	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	lymphocytic infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	inflammatory polyp	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hydronephrosis	0 (0)	0 (0)	1 (4)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	1 (6)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)
	mineralization:papilla	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

{Endocrine system}

pituitary		<26>				<16>				<17>				<16>			
	angiectasis	1 (4)	0 (0)	0 (0)	0 (0)	1 (6)	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 : Number of animals with lesion
 (c) c : b / a * 100
 Significant difference ; * : P ≤ 0.05 ** : P ≤ 0.01 Test of Chi Square

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 17

Organ	Findings	Group Name No. of Animals on Study Grade	Control 26				5000ppm 16				10000ppm 18				20000ppm 16			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Endocrine system}																		
pituitary			<26>				<16>				<17>				<16>			
	hemorrhage		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	cyst		3	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
			(12)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)
	hyperplasia		1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(4)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
adrenal			<26>				<16>				<18>				<16>			
	hemorrhage		3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
			(12)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)
	extramedullary hematopoiesis		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	spindle-cell hyperplasia		7	0	0	0	2	0	0	0	9	0	0	0	1	0	0	0
			(27)	(0)	(0)	(0)	(13)	(0)	(0)	(0)	(50)	(0)	(0)	(0)	(6)	(0)	(0)	(0)
	focal fatty change:cortex		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Reproductive system}																		
ovary			<26>				<16>				<18>				<16>			
	thrombus		0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(6)	(0)	(0)	(0)

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 18

Organ_____	Findings_____	Group Name	Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study	26				16				18				16			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Reproductive system}																		
ovary			<26>				<16>				<18>				<16>			
	cyst		2	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0
		(8)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(11)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
	xanthogranuloma		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)	(6)	(0)	(0)	(0)
uterus			<26>				<16>				<18>				<16>			
	cystic endometrial hyperplasia		8	1	1	0	5	3	1	0	7	0	0	0	4	1	0	0
			(31)	(4)	(4)	(0)	(31)	(19)	(6)	(0)	(39)	(0)	(0)	(0)	(25)	(6)	(0)	(0)
{Nervous system}																		
brain			<26>				<16>				<18>				<16>			
	hemorrhage		1	0	0	0	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)
	mineralization		1	0	0	0	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)
periph nerv			<26>				<16>				<18>				<16>			
	hemorrhage		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 19

Organ	Findings	Group Name No. of Animals on Study Grade	Control 26				5000ppm 16				10000ppm 18				20000ppm 16			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)

{Special sense organs/appendage}

Harder gl	hyperplasia	<26>				<16>				<18>				<16>			
		0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(0)	(4)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

{Body cavities}

mediastinum	hemorrhage	<26>				<16>				<18>				<16>			
		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe

< a > a : Number of animals examined at the site

b b : Number of animals with lesion

(c) c : b / a * 100

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

(HPT150)

BATS4

APPENDIX M 6

HISTOPATHOLOGICAL FINDINGS :
NON-NEOPLASTIC LESIONS : FEMALE
SACRIFICED ANIMALS

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Crlj[Crlj:BDF1]
REPORT TYPE : A1
SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
SACRIFICED ANIMALS (105#)

PAGE : 13

Organ	Findings	Group Name No. of Animals on Study				Control				5000ppm				10000ppm				20000ppm			
		Grade				24				34				32				34			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Respiratory system)																					
nasal cavit		<24>				<34>				<32>				<34>							
	inflammation	2	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0				
		(8)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(3)	(0)	(0)	(0)				
	eosinophilic change:olfactory epithelium	9	0	0	0	12	0	0	0	9	0	0	0	17	0	0	0				
		(38)	(0)	(0)	(0)	(35)	(0)	(0)	(0)	(28)	(0)	(0)	(0)	(50)	(0)	(0)	(0)				
	eosinophilic change:respiratory epithelium	20	2	0	0	29	3	0	0	30	1	0	0	27	6	1	0				
		(83)	(8)	(0)	(0)	(85)	(9)	(0)	(0)	(94)	(3)	(0)	(0)	(79)	(18)	(3)	(0)				
	inflammation:foreign body	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0				
		(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(3)	(0)	(0)	(0)				
	respiratory metaplasia:olfactory epithelium	2	0	0	0	5	0	0	0	10	0	0	0	6	0	0	0				
		(8)	(0)	(0)	(0)	(15)	(0)	(0)	(0)	(31)	(0)	(0)	(0)	(18)	(0)	(0)	(0)				
	respiratory metaplasia:gland	7	0	0	0	12	0	0	0	7	0	0	0	18	0	0	0				
		(29)	(0)	(0)	(0)	(35)	(0)	(0)	(0)	(22)	(0)	(0)	(0)	(53)	(0)	(0)	(0)				
	hyperplasia:transitional epithelium	1	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0				
		(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(6)	(0)	(0)	(0)				
nasopharynx		<24>				<34>				<32>				<34>							
	eosinophilic change	1	0	0	0	1	0	0	0	1	0	0	0	4	0	0	0				
		(4)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(12)	(0)	(0)	(0)				

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (105W)

PAGE : 14

Organ	Findings	Group Name No. of Animals on Study Grade	Control 24				5000ppm 34				10000ppm 32				20000ppm 34			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																		
lung			<24>				<34>				<32>				<34>			
	bronchiolar-alveolar cell hyperplasia		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)	(6)	(0)	(0)	(0)
{Hematopoietic system}																		
bone marrow			<24>				<34>				<32>				<34>			
	granulopoiesis:increased		0	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)	(3)	(0)	(0)
lymph node			<24>				<34>				<32>				<34>			
	lymphadenitis		0	0	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)	(3)	(0)
spleen			<24>				<34>				<32>				<34>			
	angiectasis		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	deposit of melanin		1	0	0	0	1	0	0	0	2	0	0	0	2	0	0	0
			(4)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(6)	(0)	(0)	(0)
	extramedullary hematopoiesis		1	1	1	0	2	1	0	0	3	2	0	0	2	1	0	0
			(4)	(4)	(4)	(0)	(6)	(3)	(0)	(0)	(9)	(6)	(0)	(0)	(6)	(3)	(0)	(0)

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

STUDY NO. : 0498
 ANIMAL : MOUSE BGD2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (105W)

PAGE : 15

		Group Name	Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study	24				34				32				34			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Organ_____	Findings_____		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Hematopoietic system)																		
spleen			<24>				<34>				<32>				<34>			
	granulopoiesis:increased		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	follicular hyperplasia		2	0	0	0	1	1	1	0	2	0	0	0	4	0	0	0
			(8)	(0)	(0)	(0)	(3)	(3)	(3)	(0)	(6)	(0)	(0)	(0)	(12)	(0)	(0)	(0)
(Circulatory system)																		
artery/aort			<24>				<34>				<32>				<34>			
	arteritis		1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(4)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
(Digestive system)																		
salivary gl			<24>				<34>				<32>				<34>			
	lymphocytic infiltration		3	0	0	0	3	1	0	0	6	0	0	0	3	0	0	0
			(13)	(0)	(0)	(0)	(9)	(3)	(0)	(0)	(19)	(0)	(0)	(0)	(9)	(0)	(0)	(0)
stomach			<24>				<34>				<32>				<34>			
	hyperplasia:forestomach		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)	(3)	(0)	(0)	(0)

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (105W)

PAGE : 16

		Group Name	Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study	24				34				32				34			
Organ_____	Findings_____	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}																		
stomach			<24>				<34>				<32>				<34>			
	erosion:glandular stomach		1	1	0	0	4	0	0	0	1	0	0	0	2	0	0	0
			(4)	(4)	(0)	(0)	(12)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(6)	(0)	(0)	(0)
	ulcer:glandular stomach		1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(4)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	hyperplasia:glandular stomach		6	17	0	0	7	27	0	0	8	23	0	0	9	24	0	0
			(25)	(71)	(0)	(0)	(21)	(79)	(0)	(0)	(25)	(72)	(0)	(0)	(26)	(71)	(0)	(0)
liver			<24>				<34>				<32>				<34>			
	angiectasis		8	0	0	0	4	0	0	0	11	0	0	0	5	0	0	0
			(33)	(0)	(0)	(0)	(12)	(0)	(0)	(0)	(34)	(0)	(0)	(0)	(15)	(0)	(0)	(0)
	necrosis:focal		0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	inflammatory infiltration		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)	(3)	(0)	(0)	(0)
	inflammatory cell nest		8	0	0	0	10	0	0	0	5	1	0	0	2	0	0	0 *
			(33)	(0)	(0)	(0)	(29)	(0)	(0)	(0)	(16)	(3)	(0)	(0)	(6)	(0)	(0)	(0)
	clear cell focus		1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
			(4)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Cxj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (105W)

PAGE : 17

		Group Name	Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study	24				34				32				34			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}																		
liver			<24>				<34>				<32>				<34>			
	basophilic cell focus		0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
			<24>				<34>				<32>				<34>			
	biliary cyst		1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(4)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
pancreas			<24>				<34>				<32>				<34>			
	cyst		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)	(3)	(0)	(0)	(0)	(0)	(0)
{Urinary system}																		
kidney			<24>				<34>				<32>				<34>			
	hyaline droplet		0	0	1	0	1	0	1	0	0	1	0	0	0	0	0	0
			(0)	(0)	(4)	(0)	(3)	(0)	(3)	(0)	(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)
			<24>				<34>				<32>				<34>			
	inflammatory infiltration		0	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)	(3)	(0)	(0)
			<24>				<34>				<32>				<34>			
	lymphocytic infiltration		2	0	0	0	3	0	0	0	3	0	0	0	2	0	0	0
			(8)	(0)	(0)	(0)	(9)	(0)	(0)	(0)	(9)	(0)	(0)	(0)	(6)	(0)	(0)	(0)

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

STUDY NO. : C498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (105W)

PAGE : 18

Organ	Findings	Control No. of Animals on Study Grade				5000ppm 34				10000ppm 32				20000ppm 34			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Urinary system)																	
kidney		<24>				<34>				<32>				<34>			
	inflammatory polyp	0	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0
		(0)	(8)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(6)	(0)	(0)
	hydronephrosis	0	1	2	0	0	1	0	0	1	0	0	0	1	0	0	0
		(0)	(4)	(8)	(0)	(0)	(3)	(0)	(0)	(3)	(0)	(0)	(0)	(3)	(0)	(0)	(0)
	regeneration:proximal tubule	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
ureter		<24>				<34>				<32>				<34>			
	inflammatory infiltration	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)	(3)	(0)	(0)	(0)
(Endocrine system)																	
pituitary		<24>				<34>				<32>				<34>			
	angiectasis	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	cyst	1	0	0	0	1	0	0	0	2	0	0	0	5	0	0	0
		(4)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(15)	(0)	(0)	(0)

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

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDf1]
REPORT TYPE : A1
SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
SACRIFICED ANIMALS (105W)

PAGE : 19

		Group Name	Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study	24				34				32				34			
Organ_____	Findings_____	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Endocrine system)																		
pituitary			<24>				<34>				<32>				<34>			
	hyperplasia		3 (13)	3 (13)	0 (0)	0 (0)	9 (26)	3 (9)	0 (0)	0 (0)	6 (19)	1 (3)	0 (0)	0 (0)	4 (12)	4 (12)	0 (0)	0 (0)
adrenal			<24>				<34>				<32>				<34>			
	extramedullary hematopoiesis		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	spindle-cell hyperplasia		16 (67)	0 (0)	0 (0)	0 (0)	24 (71)	0 (0)	0 (0)	0 (0)	25 (78)	0 (0)	0 (0)	0 (0)	28 (82)	0 (0)	0 (0)	0 (0)
	hyperplasia:cortical cell		1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	focal fatty change:cortex		0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	1 (3)	1 (3)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
			<24>				<34>				<32>				<34>			
(Reproductive system)																		
ovary			<24>				<34>				<32>				<34>			
	thrombus		0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	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 : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≤ 0.05 ** : P ≤ 0.01 Test of Chi Square

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Crj[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (105W)

PAGE : 20

		Group Name	Control				5000ppm				10000ppm				20000ppm			
		No. of Animals on Study	24				34				32				34			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
{Reproductive system}																		
ovary	cyst		<24>				<34>				<32>				<34>			
		2	0	0	0	6	0	0	0	9	0	0	0	5	1	0	0	
		(8)	(0)	(0)	(0)	(18)	(0)	(0)	(0)	(28)	(0)	(0)	(0)	(15)	(3)	(0)	(0)	
uterus	thrombus		<24>				<34>				<32>				<34>			
		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	cystic endometrial hyperplasia		8	11	2	0	15	12	2	0	9	15	4	0	15	14	3	0
		(33)	(46)	(8)	(0)	(44)	(35)	(6)	(0)	(28)	(47)	(13)	(0)	(44)	(41)	(9)	(0)	
{Nervous system}																		
brain	necrosis:focal		<24>				<34>				<32>				<34>			
		1	0	0	0	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)
	mineralization		1	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0
		(4)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	
{Special sense organs/appendage}																		
eye	keratitis		<24>				<34>				<32>				<34>			
		0	0	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)	(3)	(0)	

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

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (105W)

PAGE : 21

		Group Name No. of Animals on Study				Control 24				5000ppm 34				10000ppm 32				20000ppm 34			
Organ_____	Findings_____	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)			
(Special sense organs/appendage)																					
eye			<24>					<34>					<32>					<34>			
	degeneration:cornea		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0		
			(0)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)		
Harder gl			<24>					<34>					<32>					<34>			
	hyperplasia		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0		
			(0)	(0)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(3)	(0)	(0)		

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

(HPT150)

BAIS4

APPENDIX N 1

NUMBER OF ANIMALS WITH TUMORS
AND NUMBER OF TUMORS-TIME RELATED : MALE

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

NUMBER OF ANIMALS WITH TUMORS AND NUMBER OF TUMORS - TIME RELATED

PAGE : 1

Time-related Weeks	Items	Group Name	Control	5000ppm	10000ppm	20000ppm
0 - 52	NO. OF EXAMINED ANIMALS		0	1	0	2
	NO. OF ANIMALS WITH TUMORS		0	0	0	0
	NO. OF ANIMALS WITH SINGLE TUMORS		0	0	0	0
	NO. OF ANIMALS WITH MULTIPLE TUMORS		0	0	0	0
	NO. OF BENIGN TUMORS		0	0	0	0
	NO. OF MALIGNANT TUMORS		0	0	0	0
	NO. OF TOTAL TUMORS		0	0	0	0
53 - 78	NO. OF EXAMINED ANIMALS		8	0	0	1
	NO. OF ANIMALS WITH TUMORS		7	0	0	0
	NO. OF ANIMALS WITH SINGLE TUMORS		6	0	0	0
	NO. OF ANIMALS WITH MULTIPLE TUMORS		1	0	0	0
	NO. OF BENIGN TUMORS		3	0	0	0
	NO. OF MALIGNANT TUMORS		5	0	0	0
	NO. OF TOTAL TUMORS		8	0	0	0
79 - 104	NO. OF EXAMINED ANIMALS		7	14	8	6
	NO. OF ANIMALS WITH TUMORS		6	14	7	6
	NO. OF ANIMALS WITH SINGLE TUMORS		4	9	5	5
	NO. OF ANIMALS WITH MULTIPLE TUMORS		2	5	2	1
	NO. OF BENIGN TUMORS		5	6	4	2
	NO. OF MALIGNANT TUMORS		4	15	6	5
	NO. OF TOTAL TUMORS		9	21	10	7
105 - 105	NO. OF EXAMINED ANIMALS		35	35	42	41
	NO. OF ANIMALS WITH TUMORS		24	23	28	22
	NO. OF ANIMALS WITH SINGLE TUMORS		13	9	21	16
	NO. OF ANIMALS WITH MULTIPLE TUMORS		11	14	7	6
	NO. OF BENIGN TUMORS		27	23	19	20
	NO. OF MALIGNANT TUMORS		11	21	17	8
	NO. OF TOTAL TUMORS		38	44	36	28

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE

NUMBER OF ANIMALS WITH TUMORS AND NUMBER OF TUMORS - TIME RELATED

PAGE : 2

Time-related Weeks	Items	Group Name	Control	5000ppm	10000ppm	20000ppm
0 - 105	NO. OF EXAMINED ANIMALS		50	50	50	50
	NO. OF ANIMALS WITH TUMORS		37	37	35	28
	NO. OF ANIMALS WITH SINGLE TUMORS		23	18	26	21
	NO. OF ANIMALS WITH MULTIPLE TUMORS		14	19	9	7
	NO. OF BENIGN TUMORS		35	29	23	22
	NO. OF MALIGNANT TUMORS		20	36	23	13
	NO. OF TOTAL TUMORS		55	65	46	35

(HPT070)

BATS4

APPENDIX N 2

NUMBER OF ANIMALS WITH TUMORS
AND NUMBER OF TUMORS-TIME RELATED : FEMALE

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Cxj:BDF1]
REPORT TYPE : A1
SEX : FEMALE

NUMBER OF ANIMALS WITH TUMORS AND NUMBER OF TUMORS - TIME RELATED

PAGE : 3

Time-related Weeks	Items	Group Name	Control	5000ppm	10000ppm	20000ppm
0 - 52	NO. OF EXAMINED ANIMALS		3	0	2	2
	NO. OF ANIMALS WITH TUMORS		1	0	0	2
	NO. OF ANIMALS WITH SINGLE TUMORS		1	0	0	2
	NO. OF ANIMALS WITH MULTIPLE TUMORS		0	0	0	0
	NO. OF BENIGN TUMORS		0	0	0	0
	NO. OF MALIGNANT TUMORS		1	0	0	2
	NO. OF TOTAL TUMORS		1	0	0	2
53 - 78	NO. OF EXAMINED ANIMALS		3	3	3	4
	NO. OF ANIMALS WITH TUMORS		3	2	1	3
	NO. OF ANIMALS WITH SINGLE TUMORS		3	2	1	3
	NO. OF ANIMALS WITH MULTIPLE TUMORS		0	0	0	0
	NO. OF BENIGN TUMORS		0	0	0	0
	NO. OF MALIGNANT TUMORS		3	2	1	3
	NO. OF TOTAL TUMORS		3	2	1	3
79 - 104	NO. OF EXAMINED ANIMALS		20	13	13	10
	NO. OF ANIMALS WITH TUMORS		19	13	12	9
	NO. OF ANIMALS WITH SINGLE TUMORS		15	7	6	6
	NO. OF ANIMALS WITH MULTIPLE TUMORS		4	6	6	3
	NO. OF BENIGN TUMORS		3	8	4	4
	NO. OF MALIGNANT TUMORS		21	14	14	8
	NO. OF TOTAL TUMORS		24	22	18	12
105 - 105	NO. OF EXAMINED ANIMALS		24	34	32	34
	NO. OF ANIMALS WITH TUMORS		15	23	22	20
	NO. OF ANIMALS WITH SINGLE TUMORS		9	14	13	13
	NO. OF ANIMALS WITH MULTIPLE TUMORS		6	9	9	7
	NO. OF BENIGN TUMORS		9	15	20	12
	NO. OF MALIGNANT TUMORS		12	22	16	15
	NO. OF TOTAL TUMORS		21	37	36	27

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE

NUMBER OF ANIMALS WITH TUMORS AND NUMBER OF TUMORS - TIME RELATED

PAGE : 4

Time-related Weeks	Items	Group Name	Control	5000ppm	10000ppm	20000ppm
0 - 105	NO. OF EXAMINED ANIMALS		50	50	50	50
	NO. OF ANIMALS WITH TUMORS		38	38	35	34
	NO. OF ANIMALS WITH SINGLE TUMORS		28	23	20	24
	NO. OF ANIMALS WITH MULTIPLE TUMORS		10	15	15	10
	NO. OF BENIGN TUMORS		12	23	24	16
	NO. OF MALIGNANT TUMORS		37	38	31	28
	NO. OF TOTAL TUMORS		49	61	55	44

(HPT070)

BATS4

APPENDIX O 1

HISTOPATHOLOGICAL FINDINGS :

NEOPLASTIC LESIONS : MALE

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS : NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 1

Organ	Findings	Group Name No. of animals on Study	Control 50	5000ppm 50	10000ppm 50	20000ppm 50
{Integumentary system/appandage}						
skin/app			<50>	<50>	<50>	<50>
	hemangioma		1 (2%)	0 (0%)	0 (0%)	1 (2%)
	mastcytoma:malignant		1 (2%)	0 (0%)	0 (0%)	0 (0%)
subcutis			<50>	<50>	<50>	<50>
	hemangioma		0 (0%)	1 (2%)	0 (0%)	1 (2%)
	schwannoma:malignant		1 (2%)	0 (0%)	0 (0%)	0 (0%)
	hemangiosarcoma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
{Respiratory system}						
nasal cavit			<50>	<50>	<50>	<50>
	schwannoma:malignant		0 (0%)	0 (0%)	1 (2%)	0 (0%)
	hemangiosarcoma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
lung			<50>	<50>	<50>	<50>
	bronchiolar-alveolar adenoma		5 (10%)	7 (14%)	5 (10%)	4 (8%)
	bronchiolar-alveolar carcinoma		3 (6%)	8 (16%)	4 (8%)	3 (6%)
{Hematopoietic system}						
bone marrow			<50>	<50>	<50>	<50>
	hemangioma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
lymph node			<50>	<50>	<50>	<50>
	mastcytoma:benign		1 (2%)	0 (0%)	0 (0%)	0 (0%)

< a > a : Number of animals examined at the site
 b (c) b : Number of animals with neoplasm c : b / a * 100

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE

HISTOPATHOLOGICAL FINDINGS : NEOPLASTIC LESIONS (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 2

Organ	Findings	Group Name No. of animals on Study	Control 50	5000ppm 50	10000ppm 50	20000ppm 50
(Hematopoietic system)						
lymph node			<50>	<50>	<50>	<50>
	malignant lymphoma		2 (4%)	7 (14%)	7 (14%)	4 (8%)
spleen			<50>	<49>	<50>	<50>
	mastcytoma:benign		0 (0%)	0 (0%)	1 (2%)	0 (0%)
	hemangioma		2 (4%)	1 (2%)	2 (4%)	4 (8%)
	malignant lymphoma		0 (0%)	1 (2%)	1 (2%)	0 (0%)
	mastcytoma:malignant		1 (2%)	0 (0%)	0 (0%)	0 (0%)
	hemangiosarcoma		1 (2%)	0 (0%)	0 (0%)	1 (2%)
(Digestive system)						
salivary gl			<50>	<50>	<50>	<50>
	histiocytic sarcoma		2 (4%)	2 (4%)	0 (0%)	0 (0%)
stomach			<50>	<50>	<50>	<50>
	squamous cell papilloma		1 (2%)	0 (0%)	2 (4%)	2 (4%)
	squamous cell carcinoma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
	carcinoid tumor:malignant		0 (0%)	1 (2%)	1 (2%)	1 (2%)
small intes			<50>	<50>	<50>	<50>
	histiocytic sarcoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
liver			<50>	<50>	<50>	<50>
	hemangioma		4 (8%)	2 (4%)	4 (8%)	3 (6%)

< a > a : Number of animals examined at the site
b (c) b : Number of animals with neoplasm c : b / a * 100

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS : NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 3

Organ	Findings	Group Name No. of animals on Study	Control 50	5000ppm 50	10000ppm 50	20000ppm 50
(Digestive system)						
liver			<50>	<50>	<50>	<50>
	hepatocellular adenoma		17 (34%)	14 (28%)	7 (14%)	6 (12%)
	histiocytic sarcoma		1 (2%)	4 (8%)	1 (2%)	0 (0%)
	hemangiosarcoma		3 (6%)	5 (10%)	3 (6%)	0 (0%)
	hepatocellular carcinoma		3 (6%)	3 (6%)	1 (2%)	1 (2%)
	hepatoblastoma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
pancreas			<50>	<50>	<50>	<50>
	islet cell adenoma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
	islet cell adenocarcinoma		0 (0%)	0 (0%)	0 (0%)	1 (2%)
(Urinary system)						
urin bladd			<50>	<50>	<50>	<50>
	histiocytic sarcoma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
urethra			<50>	<50>	<50>	<50>
	histiocytic sarcoma		0 (0%)	0 (0%)	0 (0%)	1 (2%)
(Endocrine system)						
pituitary			<50>	<49>	<50>	<50>
	adenoma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
(Reproductive system)						
epididymis			<50>	<50>	<50>	<50>
	histiocytic sarcoma		0 (0%)	0 (0%)	2 (4%)	0 (0%)

< a > a : Number of animals examined at the site
 b (c) b : Number of animals with neoplasm c : b / a * 100

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS : NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 4

Organ	Findings	Group Name No. of animals on Study	Control 50	5000ppm 50	10000ppm 50	20000ppm 50
{Nervous system}						
periph nerv	histiocytic sarcoma		<50> 0 (0%)	<50> 0 (0%)	<50> 1 (2%)	<50> 1 (2%)
{Special sense organs/appendage}						
Harder gl	adenoma		<50> 2 (4%)	<50> 2 (4%)	<50> 2 (4%)	<50> 1 (2%)
{Body cavities}						
peritoneum	hemangioma		<50> 1 (2%)	<50> 0 (0%)	<50> 0 (0%)	<50> 0 (0%)
retroperit	histiocytic sarcoma		<50> 1 (2%)	<50> 0 (0%)	<50> 0 (0%)	<50> 0 (0%)
	hemangiosarcoma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
< a > a : Number of animals examined at the site b (c) b : Number of animals with neoplasm c : b / a * 100						

(IPT085)

BA1S4

APPENDIX O 2

HISTOPATHOLOGICAL FINDINGS :

NEOPLASTIC LESIONS : FEMALE

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 5

Organ	Findings	Group Name No. of animals on Study	Control 50	5000ppm 50	10000ppm 50	20000ppm 50
(Integumentary system/appandage)						
skin/app			<50>	<50>	<50>	<50>
	squamous cell papilloma		0 (0%)	1 (2%)	0 (0%)	1 (2%)
subcutis			<50>	<50>	<50>	<50>
	fibroma		0 (0%)	2 (4%)	0 (0%)	0 (0%)
	hemangioma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
	fibrosarcoma		1 (2%)	0 (0%)	1 (2%)	0 (0%)
	histiocytic sarcoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
	hemangiosarcoma		0 (0%)	0 (0%)	0 (0%)	1 (2%)
(Respiratory system)						
lung			<50>	<50>	<50>	<50>
	bronchiolar-alveolar adenoma		1 (2%)	2 (4%)	6 (12%)	3 (6%)
	bronchiolar-alveolar carcinoma		1 (2%)	1 (2%)	0 (0%)	1 (2%)
(Hematopoietic system)						
lymph node			<50>	<50>	<50>	<50>
	malignant lymphoma		15 (30%)	19 (38%)	12 (24%)	11 (22%)
	mastcytoma:malignant		0 (0%)	1 (2%)	0 (0%)	0 (0%)
spleen			<50>	<50>	<50>	<50>
	hemangioma		0 (0%)	0 (0%)	1 (2%)	0 (0%)

< a > a : Number of animals examined at the site
 b (c) b : Number of animals with neoplasm c : b / a * 100

(HPT085)

BAIS4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 6

Organ	Findings	Group Name No. of animals on Study	Control 50	5000ppm 50	10000ppm 50	20000ppm 50
{Hematopoietic system}						
spleen			<50>	<50>	<50>	<50>
	histiocytic sarcoma		1 (2%)	1 (2%)	0 (0%)	1 (2%)
	malignant lymphoma		2 (4%)	3 (6%)	3 (6%)	1 (2%)
{Circulatory system}						
heart			<50>	<50>	<50>	<50>
	hemangioma		0 (0%)	0 (0%)	1 (2%)	1 (2%)
{Digestive system}						
stomach			<50>	<50>	<50>	<50>
	squamous cell papilloma		1 (2%)	1 (2%)	0 (0%)	2 (4%)
	mastcytoma:malignant		1 (2%)	0 (0%)	0 (0%)	0 (0%)
small intes			<50>	<50>	<50>	<50>
	histiocytic sarcoma		0 (0%)	0 (0%)	0 (0%)	1 (2%)
liver			<50>	<50>	<50>	<50>
	hemangioma		0 (0%)	0 (0%)	1 (2%)	2 (4%)
	hepatocellular adenoma		4 (8%)	3 (6%)	7 (14%)	2 (4%)
	histiocytic sarcoma		1 (2%)	1 (2%)	2 (4%)	0 (0%)
	hemangiosarcoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
	hepatocellular carcinoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)

< a > a : Number of animals examined at the site
 b (c) b : Number of animals with neoplasm c : b / a * 100

(HPT085)

BAIS4

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 7

Organ	Findings	Group Name No. of animals on Study	Control 50	5000ppm 50	10000ppm 50	20000ppm 50
{Endocrine system}						
pituitary	adenoma		<50> 4 (8%)	<50> 7 (14%)	<49> 2 (4%)	<50> 3 (6%)
	adenocarcinoma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
{Reproductive system}						
ovary	cystadenoma		<50> 0 (0%)	<50> 2 (4%)	<50> 1 (2%)	<50> 0 (0%)
	hemangioma		1 (2%)	3 (6%)	0 (0%)	0 (0%)
uterus	hemangioma		<50> 0 (0%)	<50> 0 (0%)	<50> 1 (2%)	<50> 1 (2%)
	endometrial stromal polyp		0 (0%)	0 (0%)	1 (2%)	0 (0%)
	histiocytic sarcoma		13 (26%)	10 (20%)	8 (16%)	10 (20%)
vagina	squamous cell papilloma		<50> 0 (0%)	<50> 0 (0%)	<50> 1 (2%)	<50> 0 (0%)
	adenocarcinoma		<50> 1 (2%)	<50> 2 (4%)	<50> 1 (2%)	<50> 1 (2%)
{Nervous system}						
brain	meningioma:malignant		<50> 0 (0%)	<50> 0 (0%)	<50> 1 (2%)	<50> 0 (0%)
{Special sense organs/appendage}						
Harder: gl	adenoma		<50> 1 (2%)	<50> 2 (4%)	<50> 1 (2%)	<50> 1 (2%)

< a > a : Number of animals examined at the site
 b (c) b : Number of animals with neoplasm c : b / a * 100

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : NEOPLASTIC LESIONS (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 8

Organ_____	Findings_____	Group Name No. of animals on Study	Control 50	5000ppm 50	10000ppm 50	20000ppm 50
<hr/>						
{Body cavities}						
mediastinum			<50>	<50>	<50>	<50>
	histiocytic sarcoma		0 (0%)	0 (0%)	0 (0%)	1 (2%)

< a > a : Number of animals examined at the site
b (c) b : Number of animals with neoplasm c : b / a * 100

(IPT085)

BATS4

APPENDIX P 1

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS : MALE

STUDY No. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 1

Group Name	Control	5000ppm	10000ppm	20000ppm
SITE : lung TUMOR : bronchiolar-alveolar adenoma				
Tumor rate				
Overall rates(a)	5/50(10.0)	7/50(14.0)	5/50(10.0)	4/50(8.0)
Adjusted rates(b)	11.43	15.22	11.90	9.76
Terminal rates(c)	4/35(11.4)	5/35(14.3)	5/42(11.9)	4/41(9.8)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.7677			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.5587			
Fisher Exact test(e)		P = 0.3798	P = 0.6297	P = 0.5000
SITE : lung TUMOR : bronchiolar-alveolar carcinoma				
Tumor rate				
Overall rates(a)	3/50(6.0)	8/50(16.0)	4/50(8.0)	3/50(6.0)
Adjusted rates(b)	5.71	16.67	9.52	7.32
Terminal rates(c)	2/35(5.7)	5/35(14.3)	4/42(9.5)	3/41(7.3)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.8933			
Prevalence method(d)	P = 0.6149			
Combined analysis(d)	P = 0.7608			
Cochran-Armitage test(e)	P = 0.5587			
Fisher Exact test(e)		P = 0.0999	P = 0.5000	P = 0.6611
SITE : lung TUMOR : bronchiolar-alveolar adenoma, bronchiolar-alveolar carcinoma				
Tumor rate				
Overall rates(a)	8/50(16.0)	15/50(30.0)	8/50(16.0)	7/50(14.0)
Adjusted rates(b)	17.14	30.95	19.05	17.07
Terminal rates(c)	6/35(17.1)	10/35(28.6)	8/42(19.0)	7/41(17.1)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.8933			
Prevalence method(d)	P = 0.7950			
Combined analysis(d)	P = 0.8678			
Cochran-Armitage test(e)	P = 0.3607			
Fisher Exact test(e)		P = 0.0765	P = 0.6071	P = 0.5000

STUDY No. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 2

Group Name	Control	5000ppm	10000ppm	20000ppm
SITE : lymph node TUMOR : malignant lymphoma				
Tumor rate				
Overall rates(a)	2/50(4.0)	7/50(14.0)	7/50(14.0)	4/50(8.0)
Adjusted rates(b)	2.86	11.43	14.29	4.88
Terminal rates(c)	1/35(2.9)	4/35(11.4)	6/42(14.3)	2/41(4.9)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.4531			
Prevalence method(d)	P = 0.4979			
Combined analysis(d)	P = 0.4752			
Cochran-Armitage test(e)	P = 0.7499			
Fisher Exact test(e)		P = 0.0798	P = 0.0798	P = 0.3389
SITE : spleen TUMOR : hemangioma				
Tumor rate				
Overall rates(a)	2/50(4.0)	1/49(2.0)	2/50(4.0)	4/50(8.0)
Adjusted rates(b)	5.13	2.86	4.76	8.70
Terminal rates(c)	1/35(2.9)	1/35(2.9)	2/42(4.8)	3/41(7.3)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.1294			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.2298			
Fisher Exact test(e)		P = 0.5077	P = 0.6913	P = 0.3389
SITE : spleen TUMOR : hemangioma, hemangiosarcoma				
Tumor rate				
Overall rates(a)	3/50(6.0)	1/49(2.0)	2/50(4.0)	5/50(10.0)
Adjusted rates(b)	7.69	2.86	4.76	10.87
Terminal rates(c)	2/35(5.7)	1/35(2.9)	2/42(4.8)	4/41(9.8)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.1315			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.2321			
Fisher Exact test(e)		P = 0.3163	P = 0.5000	P = 0.3575

(HPT360A)

BAIS4

STUDY No. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[BDF1]
SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 3

Group Name	Control	5000ppm	10000ppm	20000ppm
SITE : liver TUMOR : hemangioma				
Tumor rate				
Overall rates(a)	4/50(8.0)	2/50(4.0)	4/50(8.0)	3/50(6.0)
Adjusted rates(b)	5.71	5.71	9.09	4.88
Terminal rates(c)	2/35(5.7)	2/35(5.7)	3/42(7.1)	2/41(4.9)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.6811			
Prevalence method(d)	P = 0.4920			
Combined analysis(d)	P = 0.5963			
Cochran-Armitage test(e)	P = 0.8844			
Fisher Exact test(e)		P = 0.3389	P = 0.6425	P = 0.5000
SITE : liver TUMOR : hepatocellular adenoma				
Tumor rate				
Overall rates(a)	17/50(34.0)	14/50(28.0)	7/50(14.0)	6/50(12.0)
Adjusted rates(b)	45.71	34.29	15.22	14.63
Terminal rates(c)	16/35(45.7)	12/35(34.3)	6/42(14.3)	6/41(14.6)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.9997			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.0039**			
Fisher Exact test(e)		P = 0.3329	P = 0.0169*	P = 0.0082**
SITE : liver TUMOR : histiocytic sarcoma				
Tumor rate				
Overall rates(a)	1/50(2.0)	4/50(8.0)	1/50(2.0)	0/50(0.0)
Adjusted rates(b)	0.0	5.71	0.0	0.0
Terminal rates(c)	0/35(0.0)	2/35(5.7)	0/42(0.0)	0/41(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.8533			
Prevalence method(d)	P = 0.7645			
Combined analysis(d)	P = 0.9129			
Cochran-Armitage test(e)	P = 0.2072			
Fisher Exact test(e)		P = 0.1811	P = 0.7525	P = 0.5000

STUDY No. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 4

Group Name	Control	5000ppm	10000ppm	20000ppm
SITE : liver TUMOR : hemangiosarcoma				
Tumor rate				
Overall rates(a)	3/50(6.0)	5/50(10.0)	3/50(6.0)	0/50(0.0)
Adjusted rates(b)	8.57	8.33	2.38	0.0
Terminal rates(c)	3/35(8.6)	2/35(5.7)	1/42(2.4)	0/41(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.6397			
Prevalence method(d)	P = 0.9820			
Combined analysis(d)	P = 0.9707			
Cochran-Armitage test(e)	P = 0.0836			
Fisher Exact test(e)		P = 0.3575	P = 0.6611	P = 0.1212
SITE : liver TUMOR : hepatocellular carcinoma				
Tumor rate				
Overall rates(a)	3/50(6.0)	3/50(6.0)	1/50(2.0)	1/50(2.0)
Adjusted rates(b)	5.71	5.71	0.0	0.0
Terminal rates(c)	2/35(5.7)	2/35(5.7)	0/42(0.0)	0/41(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.5110			
Prevalence method(d)	P = 0.9753			
Combined analysis(d)	P = 0.9143			
Cochran-Armitage test(e)	P = 0.2225			
Fisher Exact test(e)		P = 0.6611	P = 0.3087	P = 0.3087
SITE : liver TUMOR : hemangioma, hemangiosarcoma				
Tumor rate				
Overall rates(a)	7/50(14.0)	6/50(12.0)	7/50(14.0)	3/50(6.0)
Adjusted rates(b)	14.29	11.11	11.36	4.88
Terminal rates(c)	5/35(14.3)	3/35(8.6)	4/42(9.5)	2/41(4.9)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.7364			
Prevalence method(d)	P = 0.8884			
Combined analysis(d)	P = 0.9173			
Cochran-Armitage test(e)	P = 0.2163			
Fisher Exact test(e)		P = 0.5000	P = 0.6129	P = 0.1589

STUDY No. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 5

Group Name	Control	5000ppm	10000ppm	20000ppm
SITE : liver				
TUMOR : hepatocellular adenoma, hepatocellular carcinoma				
Tumor rate				
Overall rates(a)	19/50(38.0)	16/50(32.0)	8/50(16.0)	7/50(14.0)
Adjusted rates(b)	48.57	37.14	15.22	14.63
Terminal rates(c)	17/35(48.6)	13/35(37.1)	6/42(14.3)	6/41(14.6)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.5110			
Prevalence method(d)	P = 0.9999			
Combined analysis(d)	P = 0.9998			
Cochran-Armitage test(e)	P = 0.0024**			
Fisher Exact test(e)		P = 0.3377	P = 0.0116*	P = 0.0056**
SITE : liver				
TUMOR : hepatocellular adenoma, hepatocellular carcinoma, hepatoblastoma				
Tumor rate				
Overall rates(a)	19/50(38.0)	17/50(34.0)	8/50(16.0)	7/50(14.0)
Adjusted rates(b)	48.57	37.14	15.22	14.63
Terminal rates(c)	17/35(48.6)	13/35(37.1)	6/42(14.3)	6/41(14.6)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.5110			
Prevalence method(d)	P = 0.9999			
Combined analysis(d)	P = 0.9998			
Cochran-Armitage test(e)	P = 0.0019**			
Fisher Exact test(e)		P = 0.4176	P = 0.0116*	P = 0.0056**

(HPI360A)

BAIS4

- (a): Number of tumor-bearing animals/number of animals examined at the site.
(b): Kaplan-Meier estimated tumor incidence at the end of the study after adjusting for intercurrent mortality.
(c): Observed tumor incidence at terminal kill.
(d): Beneath the control incidence are the P-values associated with the trend test.
Standard method : Death analysis
Prevalence method : Incidental tumor test
Combined analysis : Death analysis + Incidental tumor test
(e): The Cochran-Armitage and Fisher exact test compare directly the overall incidence rates.
? : The conditional probabilities of the largest and smallest possible outcomes cannot be estimated or this P-value is beyond the estimated P-value.
— : There is no data which should be statistical analysis.
Significant difference ; * : $P \leq 0.05$ ** : $P \leq 0.01$
N.C. : Statistical value cannot be calculated and was not significant.

STUDY No. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crl:BDF1]
SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 1

Group Name	Control	5000ppm	10000ppm	20000ppm
SITE : ALL SITE TUMOR : histiocytic sarcoma				
Tumor rate				
Overall rates(a)	4/50(8.0)	7/50(14.0)	5/50(10.0)	2/50(4.0)
Adjusted rates(b)	2.86	11.43	7.14	0.0
Terminal rates(c)	1/35(2.9)	4/35(11.4)	3/42(7.1)	0/41(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.7271			
Prevalence method(d)	P = 0.8783			
Combined analysis(d)	P = 0.8945			
Cochran-Armitage test(e)	P = 0.2775			
Fisher Exact test(e)		P = 0.2623	P = 0.5000	P = 0.3389
SITE : ALL SITE TUMOR : malignant lymphoma				
Tumor rate				
Overall rates(a)	2/50(4.0)	8/50(16.0)	8/50(16.0)	4/50(8.0)
Adjusted rates(b)	2.86	14.29	16.67	4.88
Terminal rates(c)	1/35(2.9)	5/35(14.3)	7/42(16.7)	2/41(4.9)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.4531			
Prevalence method(d)	P = 0.5487			
Combined analysis(d)	P = 0.5176			
Cochran-Armitage test(e)	P = 0.8187			
Fisher Exact test(e)		P = 0.0458*	P = 0.0458*	P = 0.3389

(HPT360A)

BAIS4

- (a): Number of tumor-bearing animals/number of animals examined at the site.
(b): Kaplan-Meier estimated tumor incidence at the end of the study after adjusting for intercurrent mortality.
(c): Observed tumor incidence at terminal kill.
(d): Beneath the control incidence are the P-values associated with the trend test.
Standard method : Death analysis
Prevalence method : Incidental tumor test
Combined analysis : Death analysis + Incidental tumor test
(e): The Cochran-Armitage and Fisher exact test compare directly the overall incidence rates.
? : The conditional probabilities of the largest and smallest possible outcomes cannot be estimated or this P-value is beyond the estimated P-value.
----- : There is no data which should be statistical analysis.
Significant difference ; * : $P \leq 0.05$ ** : $P \leq 0.01$
N.C.: Statistical value cannot be calculated and was not significant.

APPENDIX P 2

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS : FEMALE

STUDY No. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 SEX : FEMALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 6

Group Name	Control	5000ppm	10000ppm	20000ppm
SITE : lung TUMOR : bronchiolar-alveolar adenoma				
Tumor rate				
Overall rates(a)	1/50(2.0)	2/50(4.0)	6/50(12.0)	3/50(6.0)
Adjusted rates(b)	4.17	5.71	15.63	8.33
Terminal rates(c)	1/24(4.2)	1/34(2.9)	5/32(15.6)	2/34(5.9)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.2104			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.3141			
Fisher Exact test(e)		P = 0.5000	P = 0.0559	P = 0.3087
SITE : lung TUMOR : bronchiolar-alveolar adenoma, bronchiolar-alveolar carcinoma				
Tumor rate				
Overall rates(a)	2/50(4.0)	3/50(6.0)	6/50(12.0)	4/50(8.0)
Adjusted rates(b)	6.06	8.57	15.63	11.11
Terminal rates(c)	1/24(4.2)	2/34(5.9)	5/32(15.6)	3/34(8.8)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.2392			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.3886			
Fisher Exact test(e)		P = 0.5000	P = 0.1343	P = 0.3389
SITE : lymph node TUMOR : malignant lymphoma				
Tumor rate				
Overall rates(a)	15/50(30.0)	19/50(38.0)	12/50(24.0)	11/50(22.0)
Adjusted rates(b)	25.00	32.35	25.00	23.53
Terminal rates(c)	6/24(25.0)	11/34(32.4)	8/32(25.0)	8/34(23.5)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.9891			
Prevalence method(d)	P = 0.6429			
Combined analysis(d)	P = 0.9653			
Cochran-Armitage test(e)	P = 0.1769			
Fisher Exact test(e)		P = 0.2634	P = 0.3264	P = 0.2472

STUDY No. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 SEX : FEMALE

NEOPLASTIC LESIONS—INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 7

Group Name	Control	5000ppm	10000ppm	20000ppm
SITE : spleen TUMOR : malignant lymphoma				
Tumor rate				
Overall rates(a)	2/50(4.0)	3/50(6.0)	3/50(6.0)	1/50(2.0)
Adjusted rates(b)	8.33	8.82	8.57	2.94
Terminal rates(c)	2/24(8.3)	3/34(8.8)	2/32(6.3)	1/34(2.9)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.8240			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.5259			
Fisher Exact test(e)		P = 0.5000	P = 0.5000	P = 0.5000
SITE : liver TUMOR : hepatocellular adenoma				
Tumor rate				
Overall rates(a)	4/50(8.0)	3/50(6.0)	7/50(14.0)	2/50(4.0)
Adjusted rates(b)	12.50	8.82	18.75	5.88
Terminal rates(c)	3/24(12.5)	3/34(8.8)	6/32(18.8)	2/34(5.9)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.7836			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.5970			
Fisher Exact test(e)		P = 0.5000	P = 0.2623	P = 0.3389
SITE : liver TUMOR : hepatocellular adenoma, hepatocellular carcinoma				
Tumor rate				
Overall rates(a)	4/50(8.0)	3/50(6.0)	8/50(16.0)	2/50(4.0)
Adjusted rates(b)	12.50	8.82	21.88	5.88
Terminal rates(c)	3/24(12.5)	3/34(8.8)	7/32(21.9)	2/34(5.9)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.7715			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.6373			
Fisher Exact test(e)		P = 0.5000	P = 0.1783	P = 0.3389

STUDY No. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 SEX : FEMALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 8

Group Name	Control	5000ppm	10000ppm	20000ppm
SITE : pituitary gland TUMOR : adenoma				
Tumor rate				
Overall rates(a)	4/50(8.0)	7/50(14.0)	2/49(4.1)	3/50(6.0)
Adjusted rates(b)	14.81	17.65	6.25	6.98
Terminal rates(c)	3/24(12.5)	6/34(17.6)	2/32(6.3)	2/34(5.9)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.8578			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.3812			
Fisher Exact test(e)		P = 0.2623	P = 0.3485	P = 0.5000
SITE : pituitary gland TUMOR : adenoma, adenocarcinoma				
Tumor rate				
Overall rates(a)	5/50(10.0)	7/50(14.0)	2/49(4.1)	3/50(6.0)
Adjusted rates(b)	15.38	17.65	6.25	6.98
Terminal rates(c)	3/24(12.5)	6/34(17.6)	2/32(6.3)	2/34(5.9)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.9624 ?			
Prevalence method(d)	P = 0.8660			
Combined analysis(d)	P = 0.9206			
Cochran-Armitage test(e)	P = 0.2497			
Fisher Exact test(e)		P = 0.3798	P = 0.2264	P = 0.3575
SITE : ovary TUMOR : hemangioma				
Tumor rate				
Overall rates(a)	1/50(2.0)	3/50(6.0)	0/50(0.0)	0/50(0.0)
Adjusted rates(b)	4.17	4.55	0.0	0.0
Terminal rates(c)	1/24(4.2)	1/34(2.9)	0/32(0.0)	0/34(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.5949			
Prevalence method(d)	P = 0.9128			
Combined analysis(d)	P = 0.9272			
Cochran-Armitage test(e)	P = 0.1719			
Fisher Exact test(e)		P = 0.3087	P = 0.5000	P = 0.5000

(HPT360A)

BAIS4

STUDY No. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[BDF1]
 SEX : FEMALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 9

Group Name	Control	5000ppm	10000ppm	20000ppm
SITE : uterus				
TUMOR : histiocytic sarcoma				
Tumor rate				
Overall rates(a)	13/50(26.0)	10/50(20.0)	8/50(16.0)	10/50(20.0)
Adjusted rates(b)	12.50	14.71	9.38	8.82
Terminal rates(c)	3/24(12.5)	5/34(14.7)	3/32(9.4)	3/34(8.8)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.7443			
Prevalence method(d)	P = 0.7412			
Combined analysis(d)	P = 0.8213			
Cochran-Armitage test(e)	P = 0.4959			
Fisher Exact test(e)		P = 0.3176	P = 0.1631	P = 0.3176

(HPT360A)

BAIS4

- (a): Number of tumor-bearing animals/number of animals examined at the site.
 (b): Kaplan-Meier estimated tumor incidence at the end of the study after adjusting for intercurrent mortality.
 (c): Observed tumor incidence at terminal kill.
 (d): Beneath the control incidence are the P-values associated with the trend test.
 Standard method : Death analysis
 Prevalence method : Incidental tumor test
 Combined analysis : Death analysis + Incidental tumor test
 (e): The Cochran-Armitage and Fisher exact test compare directly the overall incidence rates.
 ? : The conditional probabilities of the largest and smallest possible outcomes can not be estimated or this P-value is beyond the estimated P-value.
 — : There is no data which should be statistical analysis.
 Significant difference : * : $P \leq 0.05$ ** : $P \leq 0.01$
 N.C. : Statistical value cannot be calculated and was not significant.

STUDY No. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 SEX : FEMALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 2

Group Name	Control	5000ppm	10000ppm	20000ppm
SITE : ALL SITE TUMOR : histiocytic sarcoma				
Tumor rate				
Overall rates(a)	15/50(30.0)	12/50(24.0)	11/50(22.0)	13/50(26.0)
Adjusted rates(b)	12.50	15.00	12.50	11.76
Terminal rates(c)	3/24(12.5)	5/34(14.7)	4/32(12.5)	4/34(11.8)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.7035			
Prevalence method(d)	P = 0.6125			
Combined analysis(d)	P = 0.7302			
Cochran-Armitage test(e)	P = 0.7215			
Fisher Exact test(e)		P = 0.3264	P = 0.2472	P = 0.4120
SITE : ALL SITE TUMOR : malignant lymphoma				
Tumor rate				
Overall rates(a)	17/50(34.0)	22/50(44.0)	15/50(30.0)	12/50(24.0)
Adjusted rates(b)	33.33	41.18	32.35	26.47
Terminal rates(c)	8/24(33.3)	14/34(41.2)	10/32(31.3)	9/34(26.5)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.9891			
Prevalence method(d)	P = 0.7959			
Combined analysis(d)	P = 0.9828			
Cochran-Armitage test(e)	P = 0.1150			
Fisher Exact test(e)		P = 0.2062	P = 0.4152	P = 0.1891

(HPT360A)

BAIS4

- (a): Number of tumor-bearing animals/number of animals examined at the site.
 (b): Kaplan-Meier estimated tumor incidence at the end of the study after adjusting for intercurrent mortality.
 (c): Observed tumor incidence at terminal kill.
 (d): Beneath the control incidence are the P-values associated with the trend test.
 Standard method : Death analysis
 Prevalence method : Incidental tumor test
 Combined analysis : Death analysis + Incidental tumor test
 (e): The Cochran-Armitage and Fisher exact test compare directly the overall incidence rates.
 ? : The conditional probabilities of the largest and smallest possible outcomes cannot be estimated or this P-value is beyond the estimated P-value.
 — : There is no data which should be statistical analysis.
 Significant difference ; * : $P \leq 0.05$ ** : $P \leq 0.01$
 N.C.: Statistical value cannot be calculated and was not significant.

APPENDIX Q 1

HISTOPATHOLOGICAL FINDINGS: METASTASIS OF TUMOR:
MALE

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 1

Organ	Findings	Group Name No. of Animals on Study	Control 50	5000ppm 50	10000ppm 50	20000ppm 50
{Integumentary system/appandage}						
subcutis			<50>	<50>	<50>	<50>
	metastasis:liver tumor		0	1	0	0
{Respiratory system}						
nasal cavit			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	1	0	0
	metastasis:epididymis tumor		0	0	2	0
trachea			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	1	0	0
lung			<50>	<50>	<50>	<50>
	leukemic cell infiltration		2	3	1	1
	metastasis:liver tumor		3	2	2	1
	metastasis:subcutis tumor		1	0	0	0
	metastasis:spleen tumor		1	0	0	0
	metastasis:stomach tumor		0	1	0	0
{Hematopoietic system}						
bone marrow			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	1	1	1
	metastasis:liver tumor		0	3	1	0
	metastasis:epididymis tumor		0	0	1	0
lymph node			<50>	<50>	<50>	<50>
	metastasis:liver tumor		0	1	1	0

< a > a : Number of animals examined at the site
 b b : Number of animals with lesion

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 2

Organ	Findings	Group Name No. of Animals on Study	Control 50	5000ppm 50	10000ppm 50	20000ppm 50
(Hematopoietic system)						
lymph node			<50>	<50>	<50>	<50>
	metastasis:spleen tumor		1	0	0	0
thymus			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	1	0	0
spleen			<50>	<49>	<50>	<50>
	leukemic cell infiltration		2	2	5	4
	metastasis:retroperitoneum tumor		0	1	0	0
(Circulatory system)						
heart			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	1	0	0
	metastasis:liver tumor		0	0	1	0
(Digestive system)						
salivary gl			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	2	1	0
	metastasis:liver tumor		0	0	1	0
liver			<50>	<50>	<50>	<50>
	leukemic cell infiltration		1	2	1	0
	metastasis:retroperitoneum tumor		1	0	0	0
	metastasis:stomach tumor		0	1	0	0
	metastasis:salivary gland tumor		1	1	0	0

< a > a : Number of animals examined at the site
 b b : Number of animals with lesion

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 3

Organ	Findings	Group Name No. of Animals on Study	Control 50	5000ppm 50	10000ppm 50	20000ppm 50
{Digestive system}						
pancreas	leukemic cell infiltration		<50> 1	<50> 0	<50> 1	<50> 0
{Urinary system}						
kidney	leukemic cell infiltration		<50> 1	<50> 2	<50> 2	<50> 0
	metastasis:liver tumor		0	2	0	0
	metastasis:spleen tumor		1	0	0	0
	metastasis:retroperitoneum tumor		1	0	0	0
	metastasis:skin/appendage tumor		1	0	0	0
urin bladd	leukemic cell infiltration		<50> 0	<50> 1	<50> 0	<50> 0
{Endocrine system}						
pituitary	metastasis:peripheral nerve tumor		<50> 0	<50> 0	<50> 0	<50> 1
{Reproductive system}						
testis	metastasis:epididymis tumor		<50> 0	<50> 0	<50> 1	<50> 0
epididymis	leukemic cell infiltration		<50> 0	<50> 1	<50> 0	<50> 0
prostate	metastasis:urinary bladder tumor		<50> 0	<50> 1	<50> 0	<50> 0
< a >	a : Number of animals examined at the site					
b	b : Number of animals with lesion					

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 4

Group Name No. of Animals on Study		Control 50	5000ppm 50	10000ppm 50	20000ppm 50
Organ	Findings				
{Reproductive system}					
prep/cli gl	metastasis:epididymis tumor	<50> 0	<50> 0	<50> 1	<50> 0
{Nervous system}					
brain	leukemic cell infiltration	<50> 0	<50> 1	<50> 0	<50> 0
	metastasis:spleen tumor	1	0	0	0
{Body cavities}					
mediastinum	leukemic cell infiltration	<50> 0	<50> 1	<50> 0	<50> 0
	metastasis:subcutis tumor	1	0	0	0
< a >	a : Number of animals examined at the site				
b	b : Number of animals with lesion				

(JPT150)

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APPENDIX Q 2

HISTOPATHOLOGICAL FINDINGS: METASTASIS OF TUMOR:
FEMALE

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 5

Organ	Findings	Group Name No. of Animals on Study	Control 50	5000ppm 50	10000ppm 50	20000ppm 50
{Integumentary system/appandage}						
skin/app	leukemic cell infiltration		<50> 0	<50> 1	<50> 0	<50> 0
{Respiratory system}						
nasal cavit	leukemic cell infiltration		<50> 2	<50> 0	<50> 0	<50> 0
	metastasis:uterus tumor		1	0	0	0
larynx	leukemic cell infiltration		<50> 1	<50> 4	<50> 0	<50> 0
trachea	leukemic cell infiltration		<50> 2	<50> 2	<50> 0	<50> 0
lung	leukemic cell infiltration		<50> 12	<50> 11	<50> 3	<50> 6
	metastasis:liver tumor		1	1	0	0
	metastasis:uterus tumor		2	1	4	2
	metastasis:subcutis tumor		0	0	1	0
	metastasis:mammary gland tumor		0	1	0	0
{Hematopoietic system}						
bone marrow	leukemic cell infiltration		<50> 8	<50> 3	<50> 1	<50> 1
	metastasis:liver tumor		0	1	1	0

< a > a : Number of animals examined at the site
 b b : Number of animals with lesion

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 6

Organ	Findings	Group Name No. of Animals on Study	Control 50	5000ppm 50	10000ppm 50	20000ppm 50
{Hematopoietic system}						
bone marrow			<50>	<50>	<50>	<50>
	metastasis:uterus tumor		1	1	3	2
lymph node			<50>	<50>	<50>	<50>
	leukemic cell infiltration		1	1	0	0
	metastasis:liver tumor		0	0	2	0
	metastasis:uterus tumor		4	1	3	1
	metastasis:spleen tumor		1	0	0	1
spleen			<50>	<50>	<50>	<50>
	leukemic cell infiltration		10	18	7	7
	metastasis:liver tumor		1	0	1	0
	metastasis:uterus tumor		0	0	1	0
{Circulatory system}						
heart			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	1	0	0
	metastasis:uterus tumor		0	2	0	0
{Digestive system}						
tongue			<50>	<50>	<50>	<50>
	leukemic cell infiltration		2	2	0	0
salivary gl	leukemic cell infiltration		<50>	<50>	<50>	<50>
			5	8	4	3

< a > a : Number of animals examined at the site
 b b : Number of animals with lesion

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crlj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 7

Organ	Findings	Group Name No. of Animals on Study	Control 50	5000ppm 50	10000ppm 50	23000ppm 50
(Digestive system)						
salivary gl			<50>	<50>	<50>	<50>
	metastasis:subcutis tumor		0	0	1	0
esophagus			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	2	0	0
stomach			<50>	<50>	<50>	<50>
	leukemic cell infiltration		1	0	0	0
	metastasis:small intestine tumor		0	0	0	1
small intes			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	2	0	0
large intes			<50>	<50>	<50>	<50>
	leukemic cell infiltration		1	0	0	1
liver			<50>	<50>	<50>	<50>
	leukemic cell infiltration		10	14	6	6
	metastasis:uterus tumor		7	7	5	6
	metastasis:spleen tumor		1	0	0	1
gall bladd			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	0	1	0
pancreas			<50>	<50>	<50>	<50>
	leukemic cell infiltration		5	5	2	5
	metastasis:uterus tumor		2	1	1	1
	metastasis:spleen tumor		0	0	0	1
(Urinary system)						
kidney			<50>	<50>	<50>	<50>
	leukemic cell infiltration		8	9	6	4

< a > a : Number of animals examined at the site
 b b : Number of animals with lesion

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/CrLj[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 8

Organ	Findings	Group Name No. of Animals on Study	Control 50	5000ppm 50	10000ppm 50	20000ppm 50
{Urinary system}						
kidney			<50>	<50>	<50>	<50>
	metastasis:uterus tumor		2	3	1	1
urin bladd			<50>	<50>	<50>	<50>
	leukemic cell infiltration		2	4	2	0
{Endocrine system}						
pituitary			<50>	<50>	<50>	<50>
	leukemic cell infiltration		2	0	0	0
thyroid			<50>	<50>	<50>	<50>
	leukemic cell infiltration		2	2	0	1
parathyroid			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	1	0	0
adrenal			<50>	<50>	<50>	<50>
	leukemic cell infiltration		1	2	0	0
	metastasis:liver tumor		0	1	0	0
{Reproductive system}						
ovary			<50>	<50>	<50>	<50>
	leukemic cell infiltration		4	5	2	1
	metastasis:uterus tumor		6	5	2	4
uterus			<50>	<50>	<50>	<50>
	leukemic cell infiltration		3	2	1	0
vagina			<50>	<50>	<50>	<50>
	leukemic cell infiltration		1	0	0	0

< a > a : Number of animals examined at the site
 b b : Number of animals with lesion

STUDY NO. : 0498
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)
 ALL ANIMALS (0-105W)

PAGE : 9

Organ	Findings	Group Name No. of Animals on Study	Control 50	5000ppm 50	10000ppm 50	20000ppm 50
{Reproductive system}						
mammary gl			<50>	<50>	<50>	<50>
	leukemic cell infiltration		2	1	0	0
{Nervous system}						
brain			<50>	<50>	<50>	<50>
	leukemic cell infiltration		1	0	0	0
	metastasis:pituitary tumor		1	0	0	0
{Special sense organs/appendage}						
Harder gl			<50>	<50>	<50>	<50>
	leukemic cell infiltration		2	1	0	0
{Musculoskeletal system}						
muscle			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	2	0	0
{Body cavities}						
mediastinum			<50>	<50>	<50>	<50>
	leukemic cell infiltration		6	6	2	6
	metastasis:liver tumor		1	0	0	0
	metastasis:uterus tumor		0	0	1	0
	metastasis:subcutis tumor		0	0	0	1
peritoneum			<50>	<50>	<50>	<50>
	leukemic cell infiltration		3	2	1	1

< a > a : Number of animals examined at the site
 b b : Number of animals with lesion

STUDY NO. : 0498
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)
ALL ANIMALS (0-105W)

PAGE : 10

		Group Name	Control	5000ppm	10000ppm	20000ppm
Organ	Findings	No. of Animals on Study	50	50	50	50
{Body cavities}						
peritoneum	metastasis:uterus tumor		<50> 1	<50> 0	<50> 0	<50> 0
	metastasis:subcutis tumor		1	0	0	0
mesenterium	leukemic cell infiltration		<50> 0	<50> 1	<50> 1	<50> 0
< a >		a : Number of animals examined at the site				
b		b : Number of animals with lesion				

(JPT150)

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APPENDIX R

METHODS, UNITS AND DECIMAL PLACE FOR
HEMATOLOGY AND BIOCHEMISTRY IN THE 2-YEAR
DRINKING WATER STUDY OF 2-PHENOXYETHANOL

METHODS, UNITS AND DECIMAL PLACE FOR HEMATOLOGY AND BIOCHEMISTRY IN THE 2-YEAR DRINKING WATER STUDY OF 2-PHENOXYETHANOL

Item	Method	Unit	Decimal place
Hematology			
Red blood cell (RBC)	Light scattering method ¹⁾	$\times 10^9/\mu\text{L}$	2
Hemoglobin(Hgb)	Cyanmethemoglobin method ¹⁾	g/dL	1
Hematocrit(Hct)	Calculated as $\text{RBC} \times \text{MCV}/10$ ¹⁾	%	1
Mean corpuscular volume(MCV)	Light scattering method ¹⁾	fL	1
Mean corpuscular hemoglobin(MCH)	Calculated as $\text{Hgb}/\text{RBC} \times 10$ ¹⁾	pg	1
Mean corpuscular hemoglobin concentration (MCHC)	Calculated as $\text{Hgb}/\text{Hct} \times 100$ ¹⁾	g/dL	1
Platelet	Light scattering method ¹⁾	$\times 10^3/\mu\text{L}$	0
Reticulocyte	Light scattering method ¹⁾	%	1
White blood cell(WBC)	Light scattering method ¹⁾	$\times 10^3/\mu\text{L}$	2
Differential WBC	Pattern recognition method ²⁾ (Wright staining)	%	0
Biochemistry			
Total protein(TP)	Biuret method ³⁾	g/dL	1
Albumin (Alb)	BCG method ³⁾	g/dL	1
A/G ratio	Calculated as $\text{Alb}/(\text{TP} - \text{Alb})$ ³⁾	—	1
T-bilirubin	Alkaline azobilirubin method ³⁾	mg/dL	2
Glucose	GlcK·G-6-PDH method ³⁾	mg/dL	0
T-cholesterol	CE·COD·POD method ³⁾	mg/dL	0
Triglyceride	LPL·GK·GPO·POD method ³⁾	mg/dL	0
Phospholipid	PLD·ChOD·POD method ³⁾	mg/dL	0
Aspartate aminotransferase (AST)	JSCC method ³⁾	IU/L	0
Alanine aminotransferase (ALT)	JSCC method ³⁾	IU/L	0
Lactate dehydrogenase (LDH)	SFBC method ³⁾	IU/L	0
Alkaline phosphatase (ALP)	GSCC method ³⁾	IU/L	0
γ -Glutamyl transpeptidase (γ -GTP)	JSCC method ³⁾	IU/L	0
Creatine kinase (CK)	JSCC method ³⁾	IU/L	0
Urea nitrogen	Urease·GLDH method ³⁾	mg/dL	1
Sodium	Ion selective electrode method ³⁾	mEq/L	0
Potassium	Ion selective electrode method ³⁾	mEq/L	1
Chloride	Ion selective electrode method ³⁾	mEq/L	0
Calcium	OCPC method ³⁾	mg/dL	1
Inorganic phosphorus	PNP·XOD·POD method ³⁾	mg/dL	1

1) Automatic blood cell analyzer (ADVIA120 : Bayer Corporation)

2) Automatic blood cell differential analyzer (MICROX HEG-120NA : OMRON Corporation)

3) Automatic analyzer (Hitachi 7080 : Hitachi,Ltd.)