

1-クロロ-2-ニトロベンゼンのマウスを用いた  
経口投与によるがん原性試験（混餌試験）報告書

試験番号：0462

# APPENDICES

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## APPENDIX A 1

### IDENTITY OF 1-CHLORO-2-NITROBENZENE IN THE 2-YEAR FEED STUDY

## IDENTITY OF 1-CHLORO-2-NITROBENZENE IN THE 2-YEAR FEED STUDY

Test Substance : 1-Chloro-2-nitrobenzene (Wako Pure Chemical Industries, Ltd.)

Lot No. : LDE9795

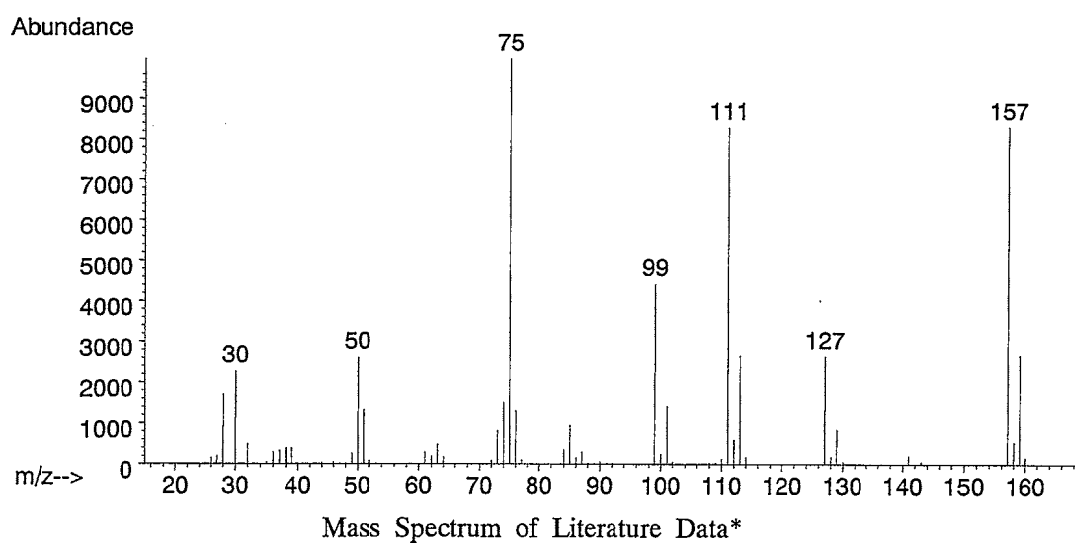
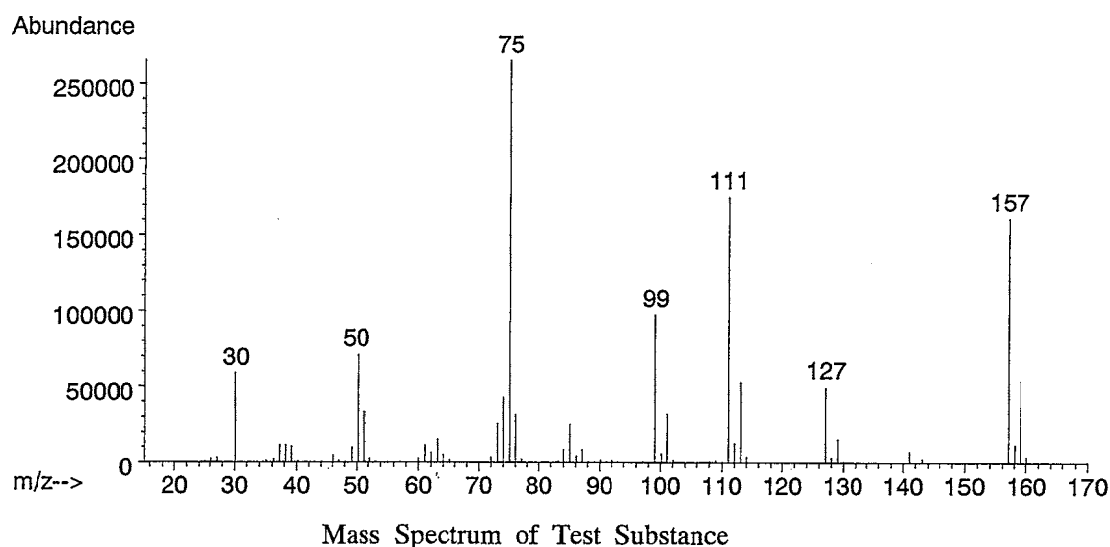
## 1. Spectral Data

Mass Spectrometry

Instrument : Hewlett Packard 5989B Mass Spectrometer

Ionization : EI (Electron Ionization)

Ionization Voltage : 70eV



Result: The mass spectrum was consistent with literature spectrum.

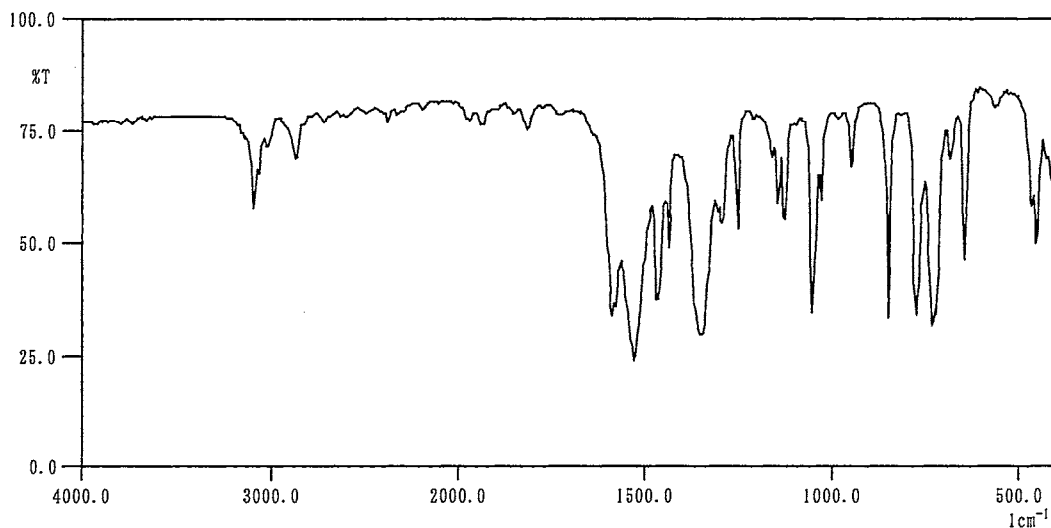
(\*McLafferty FW, ed. 1994. Wiley Registry of Mass Spectral Data. 6th ed.  
New York, NY : John Wiley and Sons.)

### Infrared Spectrometry

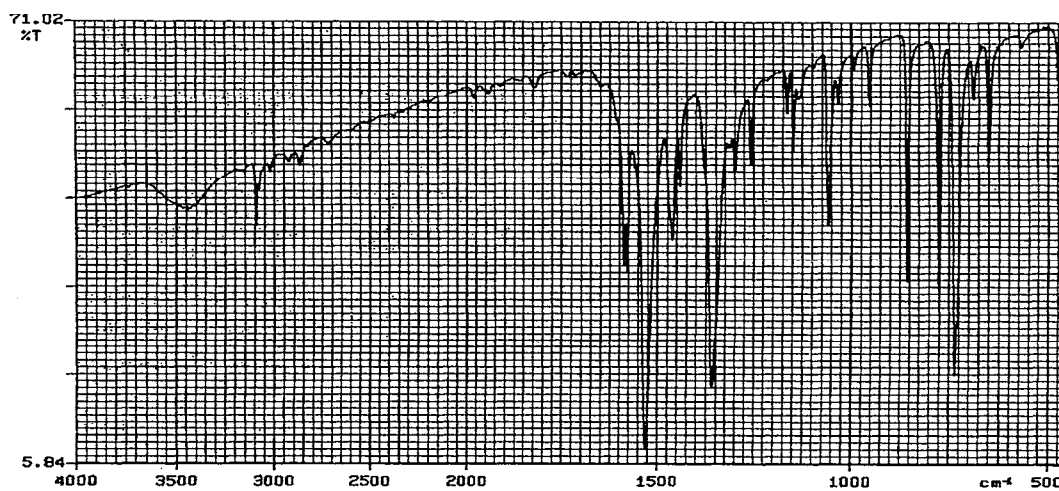
Instrument : Shimadzu FTIR-8200PC Infrared Spectrometer

Cell : KBr

Resolution : 2  $\text{cm}^{-1}$



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 1-chloro-2-nitrobenzene by mass spectrum and infrared spectrum.

## APPENDIX A 2

### STABILITY OF 1-CHLORO-2-NITROBENZENE IN THE 2-YEAR FEED STUDY



## STABILITY OF 1-CHLORO-2-NITROBENZENE IN THE 2-YEAR FEED STUDY

Test Substance : 1-Chloro-2-nitrobenzene (Wako Pure Chemical Industries, Ltd.)

Lot No. : LDE9795

1. Sample : This lot was used from 2002.12.2 to 2004.12.6. The test substance was stored in cold storage in a dark place.

## 2. High Performance Liquid Chromatography

Instrument : Hewlett Packard 1090 High Performance Liquid Chromatograph

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

Column Temperature : Room Temperature

Mobile Phase : Acetonitrile : Distilled Water = 1 : 1

Flow Rate : 1 mL/min

Detector : UV (254 nm)

Injection Volume : 20  $\mu$ L

Date (date analyzed)	Peak No.	Retention Time (min)	Area (%)
2002.10.17	1	7.551	100
2004.12.21	1	7.449	100

Result: High performance liquid chromatography indicated one major peak (peak No.1) analyzed on 2002.10.17 and one major peak (peak No.1) analyzed on 2004.12.21. No new trace impurity peak in the test substance analyzed on 2004.12.21 was detected.

3. Conclusion: The test substance was stable for about 26 months in cold storage in a dark place.

## APPENDIX A 3

### CONCENTRATION OF 1-CHLORO-2-NITROBENZENE IN FORMULATED DIETS IN THE 2-YEAR FEED STUDY

# CONCENTRATION OF 1-CHLORO-2-NITROBENZENE IN FORMULATED DIETS IN THE 2-YEAR FEED STUDY

Date Analyzed	Target Concentration		
	100 <sup>a</sup>	500	2500
2002.12.02	95.3 ( 95.3) <sup>b</sup>	484 ( 96.8)	2380 ( 95.2)
2003.01.27	103 (103)	477 ( 95.4)	2500 (100)
2003.04.21	101 (101)	511 (102)	2670 (107)
2003.07.14	103 (103)	510 (102)	2450 ( 98.0)
2003.09.22	102 (102)	479 ( 95.8)	2310 ( 92.4)
2003.12.15	99.1 ( 99.1)	501 (100)	2510 (100)
2004.03.08	103 (103)	492 ( 98.4)	2500 (100)
2004.05.31	95.5 ( 95.5)	476 ( 95.2)	2430 ( 97.2)
2004.08.23	99.6 ( 99.6)	493 ( 98.6)	2460 ( 98.4)
2004.11.15	96.4 ( 96.4)	505 (101)	2450 ( 98.0)

<sup>a</sup> ppm

<sup>b</sup> %

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

Instrument : Hewlett Packard 1090 High Performance Liquid Chromatograph

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

Column Temperature : Room Temperature

Mobile Phase : Acetonitrile : Distilled Water = 1 : 1

Flow Rate : 1 mL/min

Detector : UV (254 nm)

Injection Volume : 20  $\mu$ L

## APPENDIX A 4

### HOMOGENEITY OF 1-CHLORO-2-NITROBENZENE IN FORMULATED DIETS IN THE 2-YEAR FEED STUDY

# HOMOGENEITY OF 1-CHLORO-2-NITROBENZENE IN FORMULATED DIETS IN THE 2-YEAR FEED STUDY

	Target Concentration		
	100 <sup>a</sup>	500	2500
Coefficient Variation	1.57 <sup>b</sup>	2.85	1.34

<sup>a</sup> ppm

<sup>b</sup> % (n=7)

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

Instrument : Hewlett Packard 1090 High Performance Liquid Chromatograph

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

Column Temperature : Room Temperature

Mobile Phase : Acetonitrile : Distilled Water = 1 : 1

Flow Rate : 1 mL/min

Detector : UV (254 nm)

Injection Volume : 20  $\mu$ L

## APPENDIX A 5

### STABILITY OF 1-CHLORO-2-NITROBENZENE IN FORMULATED DIETS

## STABILITY OF 1-CHLORO-2-NITROBENZENE IN FORMULATED DIETS

Date Prepared	Date Analyzed	Target Concentration	
		50 <sup>a</sup>	5000
2001.10.11	2001.10.11	50.3 (100) <sup>b</sup>	4840 (100)
	2001.10.19 <sup>c</sup>	44.2 ( 87.9)	3900 ( 80.6)
	2001.11.30 <sup>d</sup>	52.2 (104)	4810 ( 99.4)

<sup>a</sup> ppm

<sup>b</sup> % (Percentage was based on the concentration on date of preparation.)

<sup>c</sup> Animal room samples

<sup>d</sup> Cold storage samples

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

Instrument : Hewlett Packard 1090 High Performance Liquid Chromatograph

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

Column Temperature : Room Temperature

Mobile Phase : Acetonitrile : Distilled Water = 1 : 1

Flow Rate : 1 mL/min

Detector : UV (254 nm)

Injection Volume : 20  $\mu$ L

## APPENDIX B 1

### CLINICAL OBSERVATION : MALE



STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj: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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crl: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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : AI 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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Crlj[Crlj: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	1	1	1	1	1	1	1	1	1	1	1	1	1
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	2500 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	1	1	1	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Cri:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : MALE

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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	1	1	2	2	2	2	3	3	3	3	3	3	3	3
	100 ppm	0	0	0	0	0	0	1	2	2	2	2	2	2	2
	500 ppm	1	1	1	1	1	1	2	2	2	2	2	2	2	2
	2500 ppm	1	1	1	1	1	2	2	2	2	2	2	5	6	6
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	1	1	1	1	1	1	1	1	1	1
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
SOILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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	1	1	1	1
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDf1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : MALE

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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	3	3	3	3	4	5	5	5	5	5	5	5	5	5
	100 ppm	2	2	2	3	3	3	3	4	4	4	4	4	4	4
	500 ppm	3	4	4	5	8	8	8	8	9	10	10	10	10	12
	2500 ppm	7	7	9	10	11	12	12	12	14	15	16	17	18	20
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	1	1	1	1	1	1	2	3	3	3	3	3	3	3
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	2500 ppm	0	0	1	1	1	0	0	0	0	0	1	0	0	0
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	0

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
 ALL ANIMALS

SEX : MALE

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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	5	5	7	8	9	10	11	11	11	11	11	11	11	11
	100 ppm	4	4	4	4	4	4	4	4	4	5	5	7	8	9
	500 ppm	12	12	14	16	17	17	18	19	21	21	22	23	24	25
	2500 ppm	22	24	25	26	28	29	31	31	32	32	32	33	35	35
MORBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	100 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	3	3	3	3	3	3	4	4	4	4	4	4	4	4
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	1	1	0	0	0	0
	500 ppm	0	0	0	0	0	0	2	1	1	1	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	1	1	2	3	1	0	0	1
	500 ppm	1	1	1	1	1	3	2	1	1	1	0	0	0	0
	2500 ppm	0	0	0	0	0	0	1	0	0	0	0	0	1	2
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	1	2	2	1	1	1	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	1	1	1	0	0	0	0	0	0	0	0	0	0	0
GUM	Control	0	0	0	1	1	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Crlj[Cri:BDF1]  
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
 ALL ANIMALS

SEX : MALE

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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	12	14
	100 ppm	9	12	12	12	13	14
	500 ppm	25	26	26	28	28	33
	2500 ppm	35	35	35	36	36	38
MORIBUND SACRIFICE	Control	1	1	1	1	1	1
	100 ppm	1	1	1	1	1	1
	500 ppm	0	0	0	0	0	0
	2500 ppm	4	4	4	4	4	4
HUNCHBACK POSITION	Control	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	0
	100 ppm	2	0	0	0	0	0
	500 ppm	0	0	0	1	1	2
	2500 ppm	2	2	0	0	0	0
FROG BELLY	Control	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
SOILED PERI GENITALIA	Control	0	0	0	0	0	1
	100 ppm	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
EXOPHTHALMOS	Control	1	1	1	1	1	1
	100 ppm	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
GUM	Control	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0



STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
 ALL ANIMALS

SEX : MALE

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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
DEFECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : MALE

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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
DEFECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	1	1	1	1	1	1	1	1	2	1	1	1
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : MALE

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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											
DEFECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	1	1	1	1	1	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : MALE

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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
DEFECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
ABNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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	1	1	1	1	1	1
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	1	1	1	1	1	1	1	0	1	1	1	1	1	1
	2500 ppm	1	1	1	1	2	1	1	1	1	1	1	1	1	2
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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	1	1	1	1	1	1
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : MALE

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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
DEFECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	100 ppm	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	1	1	1	1	0	0	0	0	0	0	0	0	0	0
ABNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	1	3	3	3	3	3	2	2	2	2	2	3	3	3
	100 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	1	1	2	2	2	2	2	2	2
	500 ppm	1	1	1	1	1	1	1	1	1	1	2	2	3	3
	2500 ppm	4	10	10	12	13	11	12	14	15	17	18	20	20	21
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. BREAST	Control	1	1	1	1	1	1	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ABDOMEN	Control	0	1	1	1	1	1	1	1	1	1	1	1	1	1
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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	1	1	1
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : MALE

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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
DEFECT OF TEETH	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	100 ppm	3	4	4	4	4	4	4	4	4	4	4	4	4	4
	500 ppm	1	1	1	1	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GROWTH OF TEETH	Control	0	1	1	1	1	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	3	3	3	3	4	3	3	3	3	3	3	2	2	3
	100 ppm	1	2	2	2	2	2	2	2	2	2	2	2	2	2
	500 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	0	0	0	0	0	1	1	1	1	0	3	3
	100 ppm	2	2	2	2	2	3	3	3	3	3	3	3	4	3
	500 ppm	2	5	5	5	2	6	6	7	6	6	7	8	8	6
	2500 ppm	20	24	22	23	22	32	31	31	30	30	29	29	28	26
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	100 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	1	1	1	1	1	1	1	1	1	1	1	1	1
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ABDOMEN	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ANTERIOR. DORSUM	Control	1	1	1	1	1	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : MALE

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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												
DEFECT OF TEETH	Control	1	1	1	1	1	1	3	4	4	4	4	4	4	4	4
	100 ppm	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	3	3	3	3	3	3	4	4	3	3	3	2	2	2	2
	100 ppm	2	2	2	2	2	2	3	3	3	3	3	3	3	3	1
	500 ppm	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	9	6	5	5	4	3	3	3	3	2	3	3	3	5	2
	100 ppm	4	4	4	5	5	6	6	5	6	10	10	8	8	9	10
	500 ppm	9	8	7	10	9	12	11	10	10	14	13	13	13	12	15
	2500 ppm	24	22	21	20	18	18	15	15	15	14	14	14	13	11	11
M. EYE	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	100 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	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	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ABDOMEN	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ANTERIOR. DORSUM	Control	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
	100 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : MALE

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Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
DEFECT OF TEETH	Control	4	4	4	4	4	3
	100 ppm	5	5	5	5	5	5
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
ABNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
EXTERNAL MASS	Control	2	2	2	2	2	2
	100 ppm	1	1	1	1	1	1
	500 ppm	2	2	2	1	1	0
	2500 ppm	0	0	0	0	0	0
INTERNAL MASS	Control	2	1	2	2	2	3
	100 ppm	11	9	10	9	8	6
	500 ppm	15	14	14	12	12	8
	2500 ppm	11	11	11	10	10	8
M. EYE	Control	1	1	1	1	1	1
	100 ppm	1	1	1	1	1	1
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
M. NECK	Control	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
M. BREAST	Control	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
M. ABDOMEN	Control	1	1	1	1	1	1
	100 ppm	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
M. ANTERIOR. DORSUM	Control	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0



STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : MALE

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Clinical sign	Group Name	Administration Week-day				4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
		1-7	2-7	3-7												
M. POSTERIOR DORSUM	Control	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
ULCER	Control	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
RESPIRATORY SOUND ABNOR	Control	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : MALE

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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											
M. POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ULCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : MALE

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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. POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ULCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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	1
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : MALE

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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. POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ULCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : MALE

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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											
M. POSTERIOR DORSUM	Control	0	1	1	1	1	1	1	1	1	1	1	1	1	1
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	1	1	1	1	1	0	0	0
ULCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
IRREGULAR BREATHING	Control	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	1	1	0	0	0	0	0	0	0	0	0	0
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	1	1	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : MALE

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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. POSTERIOR DORSUM	Control	1	1	1	1	1	1	1	1	1	1	1	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. TAIL	Control	0	0	0	0	1	1	1	1	1	1	1	1	1	1
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	1	1	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	1	1	1	0	0
ULCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	1	1	1	1	1	1	1	1	1	1
	2500 ppm	1	1	1	1	1	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	1	1	1	2	1	1	1	1	1	1
	2500 ppm	0	0	0	0	0	1	0	1	0	0	0	0	0	0
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
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. POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	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	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. TAIL	Control	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1
	2500 ppm	0	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	0
	100 ppm	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0
	500 ppm	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ULCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	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	1	1	1
	100 ppm	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	500 ppm	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0
	100 ppm	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0
	500 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	2	2	2	0	0	1	1
	500 ppm	1	2	1	1	1	1	1	1	1	2	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
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. POSTERIOR DORSUM	Control	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	500 ppm	1	1	1	1	1	0
	2500 ppm	0	0	0	0	0	0
M. TAIL	Control	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	500 ppm	1	1	1	0	0	0
	2500 ppm	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
ULCER	Control	0	0	0	0	0	0
	100 ppm	0	0	1	1	1	1
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
CRUSTA	Control	1	1	2	3	3	3
	100 ppm	1	1	0	1	2	2
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	500 ppm	1	1	1	1	1	1
	2500 ppm	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0
	100 ppm	1	0	0	0	0	0
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0



STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crl: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
YELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	50	0	50	50	50	50	50	50	50	49	49	49	49	49
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	50	50	50	50	50	50	50	50	49	50	50	50	50	50
	500 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	2500 ppm	0	50	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BAIS 4

STUDY NO. : 0462  
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
YELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	49	49	49	49	49	49	49	49	49	49	49	49	49	49
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	500 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BAIS 4

STUDY NO. : 0462  
 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
YELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	49	49	49	49	49	49	49	49	49	49	49	49	49	49
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	2500 ppm	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	1	1
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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	49	49
	100 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	500 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	49
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BAIS 4

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj: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
YELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	49	49	49	49	49	49	49	49	49	49	49	49	49	49
SMALL STOOL	Control	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OLIGO-STOOL	Control	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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	48	48	48	48	48	48
	100 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	500 ppm	49	49	49	49	49	49	49	49	48	48	48	48	48	48
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BAIS 4

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : MALE

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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											
YELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	49	49	49	49	48	47	47	47	47	47	47	44	43	43
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	500 ppm	0	0	0	0	0	0	0	0	0	1	1	0	0	1
	2500 ppm	0	0	1	1	0	0	1	1	1	2	2	1	0	0
OLIGO-STOOL	Control	0	0	0	0	1	1	0	0	0	0	0	0	0	0
	100 ppm	0	0	1	0	0	0	0	0	0	0	0	0	1	1
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	2500 ppm	0	0	1	1	0	0	1	1	3	3	3	2	2	1
NON REMARKABLE	Control	48	45	45	45	45	45	45	45	45	45	44	42	42	42
	100 ppm	50	50	49	50	50	49	47	45	45	45	44	44	42	42
	500 ppm	48	48	48	48	48	48	47	47	47	47	46	46	45	45
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BAIS 4

STUDY NO. : 0462  
 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
YELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	42	42	40	39	38	37	36	35	33	32	31	30	29	27
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	1	3	2	1	0	1	0
	2500 ppm	1	2	1	1	2	2	0	0	1	1	2	0	0	0
OLIGO-STOOL	Control	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	100 ppm	1	0	0	0	0	0	0	1	0	0	0	0	0	0
	500 ppm	0	1	1	2	1	1	2	3	4	4	4	2	0	0
	2500 ppm	0	2	0	1	1	2	0	0	1	1	1	0	0	0
NON REMARKABLE	Control	42	41	41	41	39	40	39	39	39	39	39	41	38	38
	100 ppm	41	39	39	38	38	37	37	35	36	36	36	36	36	37
	500 ppm	44	41	41	40	39	35	35	33	33	33	31	31	31	31
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BAIS 4

STUDY NO. : 0462  
 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
YELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	25	23	22	21	19	18	15	15	14	14	14	13	11	11
SMALL STOOL	Control	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	1	1	1	1	1	1	1	0	0	0	0
	500 ppm	1	0	0	1	1	4	3	1	0	1	0	0	0	0
	2500 ppm	1	0	0	0	0	0	0	0	1	0	0	0	1	0
OLIGO-STOOL	Control	1	1	0	0	0	2	1	0	0	0	0	0	0	0
	100 ppm	0	0	0	1	1	1	1	1	2	2	1	1	1	1
	500 ppm	1	1	2	1	1	6	3	2	1	1	0	0	0	0
	2500 ppm	0	0	0	0	0	1	0	0	0	0	0	0	1	0
NON REMARKABLE	Control	33	36	34	33	33	29	28	29	29	30	29	28	28	29
	100 ppm	36	36	36	35	34	32	31	32	31	26	26	26	24	23
	500 ppm	28	29	27	22	22	20	20	20	18	14	14	13	13	9
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BAIS 4

STUDY NO. : 0462  
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
YELLOW URINE	Control	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	3
	2500 ppm	11	11	11	10	10	8
SMALL STOOL	Control	0	0	0	0	0	0
	100 ppm	1	0	0	0	0	0
	500 ppm	1	1	0	0	0	1
	2500 ppm	0	0	0	0	0	0
OLIGO-STOOL	Control	0	0	0	0	0	0
	100 ppm	2	0	0	0	0	0
	500 ppm	0	0	0	1	1	1
	2500 ppm	0	0	0	0	0	0
NON REMARKABLE	Control	28	29	28	28	28	25
	100 ppm	22	22	21	21	20	21
	500 ppm	9	9	9	9	9	8
	2500 ppm	0	0	0	0	0	0

(HAN190)

BAIS 4



## APPENDIX B 2

CLINICAL OBSERVATION : FEMALE

STUDY NO. : 0462  
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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HUNCHBACK POSITION	Control	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TREMOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOSS OF HAIR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
 ALL ANIMALS

SEX : FEMALE

PAGE : 34

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
		15-7	16-7														
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	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	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	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	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TREMOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	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	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	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	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	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	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOSS OF HAIR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	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	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
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	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TREMOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERRECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOSS OF HAIR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
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	0	0	0	0	0	1	1	1	1	1	1	1	1	1
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	2500 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HUNCHBACK POSITTON	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TREMOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTON	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOSS OF HAIR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Crlj[Crlj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : FEMALE

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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	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	1	1	1	1	1	1	2	2	2	2	2	2	2	2
	2500 ppm	1	2	2	2	2	3	3	3	3	3	3	3	3	3
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	1	1	1	1	1	1	1	1
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TREMOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROTATING	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
LOSS OF HAIR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
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	1	1	1	1	1	1	1	1	2	2	3	8	9	9
	100 ppm	1	1	1	1	1	1	1	2	2	3	4	4	4	4
	500 ppm	2	2	2	2	3	3	3	3	4	6	8	10	10	12
	2500 ppm	4	4	5	5	5	9	9	11	12	14	14	16	17	18
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	1	1	1	1	3	3	3	3	3	3	3	3	3	3
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TREMOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROTATING	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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	1	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	1	1	0	0	1	1
	100 ppm	0	0	0	0	0	0	0	0	1	1	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	1	1	1	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOSS OF HAIR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : FEMALE

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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	10	11	11	12	12	12	12	13	14	14	15	15	16	17
	100 ppm	5	6	8	8	8	9	9	9	10	10	11	13	13	13
	500 ppm	12	13	13	13	14	15	15	16	16	16	17	18	20	21
	2500 ppm	20	20	22	22	23	25	26	29	30	31	33	33	34	34
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	100 ppm	1	1	1	1	1	1	1	1	1	1	2	2	2	2
	500 ppm	0	0	0	0	0	0	1	1	1	1	1	2	2	2
	2500 ppm	3	3	3	3	3	3	4	4	4	4	4	4	4	4
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TREMOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	1	1	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROTATING	Control	1	1	1	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	1	0	0	0	0	0	0	0	1	1	1	2	2	0
	100 ppm	0	1	0	0	0	0	0	0	0	0	1	0	0	0
	500 ppm	0	0	0	1	0	0	1	0	1	1	2	2	1	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	1	2	1	1
LOSS OF HAIR	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0



STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/CrLj[Crj:BDF1]  
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
 ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
DEATH	Control	17	17	18	18	19	19
	100 ppm	13	13	13	13	14	14
	500 ppm	22	22	22	22	22	22
	2500 ppm	35	37	38	38	38	41
MORIBUND SACRIFICE	Control	2	2	2	2	2	2
	100 ppm	2	2	2	2	2	2
	500 ppm	2	2	2	2	2	2
	2500 ppm	4	4	4	4	4	4
HUNCHBACK POSITION	Control	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
TREMOR	Control	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
ROTATING	Control	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
PILOERECTOR	Control	0	1	1	1	0	0
	100 ppm	0	1	1	1	0	0
	500 ppm	0	0	0	0	0	1
	2500 ppm	1	2	4	4	4	2
LOSS OF HAIR	Control	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0
	100 ppm	1	1	1	1	0	0
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0

STUDY NO. : 0462  
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
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEFECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 04G2  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : FEMALE

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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
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEFECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
 ALL ANIMALS

SEX : FEMALE

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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
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEFECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	1	1	1	1	1	1	1	1
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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	1	1	1
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	2500 ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
 ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day				46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
		43-7	44-7	45-7												
GUM	Control	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
DEFECT OF TEETH	Control	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GROWTH OF TEETH	Control	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	1	1	1		1	1	1	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
	100 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	1	1	1		1	1	0	1	1	1	1	1	1	1	1
	100 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	500 ppm	1	1	1		0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0		0	0	0	0	0	0	3	4	5	5	24
M. EYE	Control	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
M. EAR	Control	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : FEMALE

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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												
GUM	Control	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0		0	0	0	0	0	1	1	1	1	1	1
	500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
DEFECT OF TEETH	Control	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GROWTH OF TEETH	Control	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	1	1	1		1	1	1	2	2	2	2	2	2	2	2
	100 ppm	0	1	1		1	1	1	1	1	1	1	2	2	2	2
	500 ppm	0	0	0		0	0	0	0	0	1	1	1	1	1	1
	2500 ppm	31	30	30		31	34	34	34	35	36	36	36	37	38	38
M. EYE	Control	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
M. EAR	Control	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
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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
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEFECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	1	1	1	1	1	1	1	1	0	0	0
	100 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	2	2	3	4	4	5	6	7	7	7	6	4	4	5
	100 ppm	1	1	1	1	1	1	2	4	5	6	5	5	5	5
	500 ppm	1	1	1	3	3	5	5	6	7	9	7	6	6	4
	2500 ppm	38	38	38	41	39	35	36	34	34	32	33	31	30	29
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
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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
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEFECT OF TEETH	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	500 ppm	0	0	0	0	0	0	0	1	1	1	1	1	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	4	5	5	5	5	5	5	5	5	6	5	6	5	5
	100 ppm	4	5	3	3	3	3	3	3	3	3	2	1	1	1
	500 ppm	4	4	4	7	9	8	7	7	7	8	8	9	8	8
	2500 ppm	27	27	25	25	24	22	20	17	16	15	13	13	12	12
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0



STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
GUM	Control	0	1	0	0	0	0
	100 ppm	0	0	0	0	0	0
	500 ppm	0	1	1	1	1	1
	2500 ppm	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	0	0	0	0	0
	100 ppm	1	1	1	1	0	0
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
DEFECT OF TEETH	Control	1	1	1	1	1	1
	100 ppm	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
ABNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0
	100 ppm	0	0	1	1	1	1
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	1
	100 ppm	2	3	3	3	2	3
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
INTERNAL MASS	Control	5	6	5	5	5	5
	100 ppm	1	2	2	2	1	2
	500 ppm	9	10	11	11	10	12
	2500 ppm	11	9	8	8	8	5
M. EYE	Control	0	0	0	0	0	0
	100 ppm	1	1	1	1	0	0
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
M. ORAL CAVITY	Control	0	0	0	0	0	0
	100 ppm	1	1	1	1	1	1
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
M. EAR	Control	0	0	0	0	0	0
	100 ppm	0	1	1	1	1	1
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
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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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
SMALL STOOL	Control	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
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SEX : FEMALE

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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
		15-7	16-7	17-7														
M. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	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	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	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	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	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	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	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	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	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	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	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	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
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SEX : FEMALE

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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. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
 ALL ANIMALS

SEX : FEMALE

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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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	49	49	49	49	49	49	49	49	49	49	49	49	49	49
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
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. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	49	48	48	48	48	47	46	46	46	46	46	46	46	46
SMALL STOOL	Control	0	0	0	0	0	0	0	1	1	1	1	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : FEMALE

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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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. GENITALIA	Control	0	0	0	1	1	1	1	1	1	1	1	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	1	0	0	1	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	1	1	1	1	1	1	1	1	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	1	1	1	1	1	2	2	2	2	2	2	2	2	2
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	2	1	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	1	2	1	1	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	45	45	44	44	42	38	38	36	35	33	33	31	30	29
SMALL STOOL	Control	0	0	1	0	0	0	0	0	0	0	1	1	0	0
	100 ppm	0	0	0	0	0	0	0	1	1	0	0	0	0	0
	500 ppm	0	0	0	0	0	1	0	0	0	2	3	1	1	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : FEMALE

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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. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	1	1	1	1	1	0	0
	2500 ppm	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
	100 ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
CRUSTA	Control	0	0	1	1	1	1	1	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	2	2	2	2	2	2	2	2	2	2	2	2	2	1
	100 ppm	0	1	1	1	1	1	1	1	1	1	1	1	1	1
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	1	0	0	1	0	0	0
	500 ppm	0	1	1	1	0	0	1	0	0	1	1	2	1	0
	2500 ppm	0	0	0	0	0	0	2	1	1	1	1	2	1	1
YELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	27	27	25	25	24	22	20	17	16	15	13	13	12	12
SMALL STOOL	Control	0	0	0	0	0	0	0	1	0	0	0	2	2	0
	100 ppm	0	1	0	0	0	0	0	0	0	1	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	1	2	1	0	0
	2500 ppm	0	0	0	0	0	1	1	0	0	0	0	0	0	0



STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crl:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : FEMALE

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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
	100 ppm	0	0	0	0	0	1
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
M. ANTERIOR. DORSUM	Control	0	0	0	0	0	1
	100 ppm	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
M. GENITALIA	Control	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0
	100 ppm	1	0	0	0	0	0
	500 ppm	1	1	1	1	1	1
	2500 ppm	0	0	0	0	0	0
TORTICOLLIS	Control	1	1	1	1	1	1
	100 ppm	1	1	1	1	1	1
	500 ppm	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	1
	500 ppm	0	0	0	0	0	1
	2500 ppm	1	1	1	1	1	0
YELLOW URINE	Control	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0
	500 ppm	0	0	0	0	4	4
	2500 ppm	11	9	8	8	8	5
SMALL STOOL	Control	0	1	0	0	0	1
	100 ppm	0	0	0	0	0	2
	500 ppm	0	0	0	0	0	2
	2500 ppm	0	0	0	0	0	0

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj: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
OLIGO-STOOL	Control	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	49	50	50	50	50	50	50	50	50	50	50	50	50	50
	100 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	49
	500 ppm	50	50	50	50	50	50	50	50	50	49	49	49	49	49
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BATS 4

STUDY NO. : 0462  
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
OLIGO-STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	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
	100 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	500 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BAIS 4

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[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
OLIGO-STOOL	Control	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	1	0	0	0	0	0	0
NON REMARKABLE	Control	50	50	50	50	50	50	50	50	50	49	50	49	49	49
	100 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	500 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	49
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BATS 4

STUDY NO. : 0462  
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
OLIGO-STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
NON REMARKABLE	Control	49	49	49	49	49	49	49	48	48	48	48	48	48	48	48	48
	100 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	500 ppm	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49	49
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BAIS 4

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Cxj:BDF1]  
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
 ALL ANIMALS

SEX : FEMALE

PAGE : 61

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
OLIGO-STOOL	Control	1	1	1	1	0	0	0	0	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	2
NON REMARKABLE	Control	47	47	47	47	47	47	46	46	46	46	46	46	46	46
	100 ppm	50	49	49	49	49	49	49	49	49	48	48	47	47	47
	500 ppm	49	49	49	49	49	48	48	48	48	47	47	47	47	47
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BATS 4

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj: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
OLIGO-STOOL	Control	0	0	0	0	0	1	1	1	0	0	0	0	0	0
	100 ppm	0	0	0	0	0	0	1	3	3	0	0	0	0	0
	500 ppm	0	1	1	1	0	1	0	3	3	1	0	1	0	0
	2500 ppm	0	0	0	0	0	1	1	0	0	0	0	0	0	0
NON REMARKABLE	Control	46	46	44	43	43	41	40	39	38	38	38	36	34	33
	100 ppm	47	47	47	47	47	47	45	42	40	39	39	39	39	39
	500 ppm	47	46	46	45	44	42	42	40	38	35	35	34	34	34
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BATS 4

STUDY NO. : 0462  
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
OLIGO-STOOL	Control	0	0	0	0	0	0	0	1	0	0	0	1	1	1
	100 ppm	1	1	0	0	0	0	0	0	0	1	2	0	0	0
	500 ppm	0	0	0	0	0	0	1	1	1	1	2	1	0	0
	2500 ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	33	31	31	31	31	31	31	29	29	28	28	27	26	24
	100 ppm	38	36	36	36	36	35	35	35	35	33	32	32	32	31
	500 ppm	33	32	32	29	27	27	26	24	24	23	21	20	20	19
	2500 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BATS 4



STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Crj[Crl: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
OLIGO-STOOL	Control	0	1	1	1	1	0
	100 ppm	0	0	0	0	0	1
	500 ppm	0	1	0	0	0	2
	2500 ppm	0	0	0	0	0	0
NON REMARKABLE	Control	24	22	22	22	21	20
	100 ppm	31	30	29	29	29	27
	500 ppm	17	16	15	15	15	12
	2500 ppm	0	0	0	0	0	0

(HAN190)

BAIS 4

## APPENDIX C 1

### BODY WEIGHT CHANGES : MALE

STUDY NO. : 0462  
 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	23.0± 0.9	24.2± 1.1	25.3± 1.1	25.8± 1.1	26.5± 1.1	27.5± 1.4	28.1± 1.5
100 ppm	23.0± 0.9	23.9± 1.0	24.9± 1.0	25.6± 1.1	26.4± 1.2	27.3± 1.4	27.8± 1.5
500 ppm	23.0± 0.9	24.0± 1.1	24.9± 1.1	25.7± 1.1	26.6± 1.2	27.4± 1.3	28.1± 1.5
2500 ppm	23.0± 0.9	23.4± 1.5**	25.1± 1.1	26.1± 1.1	27.1± 1.1	27.7± 1.2	28.1± 1.2

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0462  
 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	29.0± 1.7	29.4± 1.8	30.3± 2.0	31.1± 2.1	31.8± 2.3	32.3± 2.4	33.3± 2.4
100 ppm	28.6± 1.8	29.2± 1.9	29.7± 1.9	30.5± 2.1	31.4± 2.1	31.8± 2.3	32.4± 2.3
500 ppm	29.1± 1.6	29.6± 1.6	30.1± 1.9	31.1± 1.9	31.8± 2.3	32.2± 2.2	33.1± 2.3
2500 ppm	28.6± 1.2	29.1± 1.3	29.4± 1.4	30.2± 1.4	31.0± 1.4	31.1± 1.5*	31.8± 1.5**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 UNIT : g  
 REPORT TYPE : A1 104  
 SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)  
 ALL ANIMALS

PAGE : 3

Group Name	Administration week						
	14	18	22	26	30	34	38
Control	34.1± 2.5	36.6± 3.0	38.8± 3.4	41.2± 3.7	43.6± 3.7	45.7± 3.7	47.0± 3.5
100 ppm	33.3± 2.4	35.8± 2.9	38.1± 3.5	40.4± 3.8	42.9± 4.2	45.3± 4.3	46.8± 4.0
500 ppm	34.0± 2.3	36.5± 2.8	38.8± 3.3	40.9± 3.7	43.1± 4.0	45.2± 4.5	47.1± 4.4
2500 ppm	32.6± 1.6**	34.2± 1.7**	35.4± 1.9**	36.5± 2.0**	37.4± 2.2**	38.4± 2.2**	39.5± 2.4**

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

Test of Dunnett

STUDY NO. : 0462  
 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									
	42		46		50		54		58	
									62	
										66
Control	48.3± 4.5		50.2± 3.1		51.2± 2.8		51.8± 2.9		52.5± 2.5	53.7± 2.3
100 ppm	48.5± 3.8		49.6± 4.1		51.1± 3.8		52.0± 3.6		52.8± 3.5	54.3± 3.3
500 ppm	48.3± 4.9		50.1± 5.0		51.7± 4.1		53.2± 4.0		53.6± 4.0	54.7± 4.3
2500 ppm	40.0± 2.7**		40.7± 2.8**		41.1± 3.0**		41.4± 3.3**		40.6± 4.0**	40.5± 3.4**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0462  
 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						
	70	74	78	82	86	90	94
Control	53.6± 3.5	54.1± 4.3	54.3± 4.8	54.4± 6.1	53.0± 6.5	52.4± 7.4	52.8± 7.7
100 ppm	54.7± 5.1	55.2± 5.6	54.9± 6.6	55.4± 6.1	54.8± 5.8	53.1± 7.2	51.8± 9.2
500 ppm	55.3± 5.0	55.2± 5.7	54.0± 6.4	52.5± 6.5	50.9± 7.0	47.6± 8.4	45.0± 7.2**
2500 ppm	37.6± 3.6**	36.1± 3.3**	35.8± 3.6**	33.5± 2.5**	33.7± 2.8**	32.0± 2.5**	32.1± 3.2**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0462  
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	51.6± 8.2	51.2± 8.5	51.0± 8.4
100 ppm	50.6± 10.1	50.2± 9.2	49.2± 9.9
500 ppm	42.2± 6.5**	40.6± 6.5**	40.0± 6.0**
2500 ppm	30.6± 2.7**	30.7± 2.7**	30.6± 2.2**

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

Test of Dunnett .



## APPENDIX C 2

### BODY WEIGHT CHANGES : FEMALE

STUDY NO. : 0462  
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	18.6± 0.8	19.0± 1.5	19.5± 0.9	20.1± 0.9	20.5± 1.0	21.4± 1.1	21.9± 1.1
100 ppm	18.6± 0.8	19.1± 0.9	19.6± 0.8	20.3± 0.9	20.8± 0.9	21.4± 1.0	21.8± 1.0
500 ppm	18.6± 0.8	19.3± 0.9	19.9± 1.0*	20.6± 1.1**	21.3± 1.1**	22.1± 1.2**	22.7± 1.5**
2500 ppm	18.6± 0.8	19.6± 0.8**	20.3± 0.7**	21.0± 0.9**	21.7± 0.8**	22.5± 0.9**	23.1± 0.9**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0462  
 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	22.4± 1.1	23.0± 1.2	23.3± 1.3	23.9± 1.3	24.4± 1.5	24.5± 1.6	24.8± 1.8
100 ppm	22.7± 1.1	22.9± 1.2	23.1± 1.2	24.2± 1.7	24.3± 1.6	24.4± 1.5	25.1± 1.7
500 ppm	23.2± 1.5*	23.7± 1.5*	24.0± 1.8	24.8± 2.2	25.4± 2.3	25.3± 2.4	25.8± 2.4
2500 ppm	24.0± 1.0**	24.0± 1.1**	24.7± 1.1**	25.3± 1.1**	25.7± 1.1**	25.7± 1.3**	25.9± 1.3**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0462  
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						
	14	18	22	26	30	34	38
Control	25.7± 2.0	27.4± 2.6	28.8± 2.8	30.4± 3.3	32.0± 3.6	33.0± 3.7	34.2± 3.6
100 ppm	25.8± 1.9	27.5± 2.5	29.2± 3.2	30.1± 3.5	31.8± 3.6	33.3± 3.6	33.9± 3.9
500 ppm	26.7± 2.7	28.1± 3.3	30.0± 3.9	31.2± 4.0	32.9± 4.3	34.0± 4.8	34.9± 4.7
2500 ppm	26.3± 1.4	27.6± 1.6	29.2± 1.8	29.7± 2.1	30.8± 2.3	31.7± 2.6	31.8± 2.3**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0462  
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									
	42		46		50		54		58	
Control	35.4± 3.9		36.3± 4.1		36.9± 4.3		37.9± 4.3		38.6± 4.7	
100 ppm	35.1± 4.1		36.3± 3.9		36.7± 4.5		38.2± 4.3		38.9± 4.9	
500 ppm	36.4± 5.0		37.4± 5.3		38.1± 5.6		38.8± 5.8		39.4± 5.4	
2500 ppm	32.3± 2.5**		32.2± 2.6**		31.8± 2.9**		31.3± 2.6**		30.6± 2.3**	

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0462  
 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											
	70		74		78		82		86		90		94	
Control	40.1±	5.0	39.8±	5.2	39.8±	5.4	39.7±	5.4	39.2±	5.3	38.8±	5.0	38.9±	5.1
100 ppm	40.2±	4.5	40.0±	4.3	39.5±	4.5	39.9±	4.6	39.3±	4.7	39.2±	4.4	39.1±	5.1
500 ppm	40.8±	5.4	40.0±	5.0	38.7±	5.2	38.2±	4.3	37.4±	5.1	36.8±	4.7	35.3±	4.3*
2500 ppm	28.7±	2.4**	27.7±	2.4**	27.5±	2.1**	27.2±	2.0**	26.7±	2.3**	26.2±	1.8**	26.0±	1.7**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 UNIT : g  
 REPORT TYPE : AI 104  
 SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)  
 ALL ANIMALS

PAGE : 12

Group Name	Administration week					
	98		102		104	
Control	38.3±	5.2	38.2±	5.4	37.4±	5.8
100 ppm	39.1±	4.6	38.4±	4.5	37.9±	4.4
500 ppm	34.8±	3.8*	33.8±	3.4**	33.0±	3.5**
2500 ppm	26.1±	1.7**	25.8±	1.2**	26.5±	1.9**

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. : 0462  
 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	3.9± 0.3	3.7± 0.2	3.6± 0.3	3.8± 0.3	3.8± 0.3	3.7± 0.4	3.9± 0.4
100 ppm	3.8± 0.3	3.7± 0.2	3.7± 0.2	3.7± 0.2	3.8± 0.3	3.6± 0.2	3.8± 0.3
500 ppm	3.9± 0.3	3.8± 0.3	3.7± 0.3	3.7± 0.3	3.8± 0.3	3.7± 0.3	3.9± 0.3
2500 ppm	4.0± 0.8	4.3± 0.6**	3.8± 0.5	3.9± 0.4	3.9± 0.4	3.7± 0.3	3.9± 0.4

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0462  
 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	14
Control	3.9± 0.3	4.0± 0.4	4.1± 0.4	4.0± 0.4	4.0± 0.3	4.0± 0.4	4.0± 0.3
100 ppm	3.8± 0.3	3.8± 0.3	3.9± 0.3*	3.9± 0.4	4.0± 0.2	3.9± 0.3	3.9± 0.2
500 ppm	3.9± 0.3	3.9± 0.3	3.9± 0.3*	3.9± 0.3	4.0± 0.3	3.9± 0.2	4.0± 0.2
2500 ppm	3.8± 0.3	3.9± 0.3	3.9± 0.2*	3.9± 0.3	3.9± 0.3	3.9± 0.3	4.0± 0.3

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0462  
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						
	18	22	26	30	34	38	42
Control	4.0± 0.4	4.2± 0.3	4.3± 0.3	4.4± 0.3	4.4± 0.4	4.3± 0.3	4.4± 0.6
100 ppm	3.9± 0.3	4.1± 0.3	4.2± 0.4	4.2± 0.3*	4.2± 0.3	4.1± 0.4*	4.4± 0.3
500 ppm	3.8± 0.3	4.0± 0.3*	4.1± 0.3	4.3± 0.4	4.3± 0.5	4.2± 0.4	4.3± 0.4
2500 ppm	3.8± 0.3**	3.9± 0.3**	4.1± 0.4	4.1± 0.4**	4.2± 0.4**	4.2± 0.6**	4.2± 0.5**

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Crlj[Cri:BDF1]  
 UNIT : g  
 REPORT TYPE : A1 104  
 SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)  
 ALL ANIMALS

PAGE : 4

Group Name	Administration week						
	46	50	54	58	62	66	70
Control	4.5± 0.4	4.5± 0.3	4.5± 0.5	4.5± 0.4	4.5± 0.4	4.7± 0.5	4.7± 0.7
100 ppm	4.3± 0.5	4.5± 0.2	4.5± 0.3	4.5± 0.3	4.4± 0.4	4.5± 0.5	4.5± 0.7
500 ppm	4.4± 0.3	4.5± 0.4	4.6± 0.3	4.4± 0.5	4.6± 0.4	4.6± 0.5	4.5± 0.8
2500 ppm	4.2± 0.5*	4.4± 0.5*	4.5± 0.8	4.2± 0.8**	4.5± 0.8	4.8± 0.8	4.7± 0.8

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0462  
 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						
	74	78	82	86	90	94	98
Control	4.8± 0.5	5.1± 0.8	5.0± 0.7	4.7± 0.7	4.7± 0.8	4.7± 0.7	4.7± 0.6
100 ppm	4.7± 0.5	4.9± 0.7	4.8± 0.5	5.0± 0.6	4.6± 0.7	4.6± 0.8	4.7± 0.8
500 ppm	4.7± 0.7	4.7± 0.9	4.6± 0.8	4.9± 0.8	4.3± 1.2	4.3± 0.8	4.2± 0.9*
2500 ppm	4.8± 0.8	5.2± 0.9	5.3± 0.8	5.8± 0.9**	4.9± 0.7	4.6± 0.4	4.7± 0.5

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
UNIT : g  
REPORT TYPE : AI 104  
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)  
ALL ANIMALS

PAGE : 6

Group Name	Administration week	
	102	104
Control	4.8± 0.9	4.7± 0.6
100 ppm	4.8± 0.9	4.7± 1.0
500 ppm	4.6± 1.2	4.8± 1.0
2500 ppm	5.6± 1.4	5.0± 0.8

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. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[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	3.5± 0.4	3.2± 0.3	3.4± 0.2	3.3± 0.2	3.5± 0.2	3.5± 0.2	3.7± 0.3
100 ppm	3.8± 0.4**	3.5± 0.4**	3.5± 0.4	3.4± 0.3	3.6± 0.4	3.5± 0.3	3.9± 0.4
500 ppm	3.7± 0.3	3.6± 0.4**	3.4± 0.2	3.5± 0.3*	3.7± 0.4	3.6± 0.4	3.9± 0.5
2500 ppm	3.7± 0.5	3.6± 0.4**	3.4± 0.3	3.4± 0.3	3.6± 0.3	3.6± 0.4	4.0± 0.5*

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

Test of Dunnett

(HAN260)

BAIS 4



STUDY NO. : 0462  
 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	14
Control	3.6± 0.2	3.7± 0.3	3.8± 0.3	3.7± 0.3	3.8± 0.3	3.7± 0.3	3.9± 0.4
100 ppm	3.6± 0.4	3.6± 0.3*	3.9± 0.4	3.9± 0.5	3.9± 0.4	3.9± 0.4	3.9± 0.5
500 ppm	3.7± 0.4	3.9± 0.6	3.9± 0.6	3.9± 0.6	3.9± 0.5	3.7± 0.5	3.9± 0.5
2500 ppm	3.8± 0.5	3.9± 0.4	3.8± 0.4	3.9± 0.4	4.0± 0.5	3.7± 0.5	3.8± 0.5

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0462  
 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						
	18	22	26	30	34	38	42
Control	3.7± 0.4	3.8± 0.4	4.0± 0.5	4.2± 0.6	4.2± 0.6	4.1± 0.6	4.3± 0.5
100 ppm	3.8± 0.5	4.0± 0.5**	4.1± 0.5	4.2± 0.6	4.4± 0.6	4.2± 0.7	4.3± 0.8
500 ppm	3.8± 0.6	4.0± 0.6	4.1± 0.7	4.2± 0.7	4.1± 0.7	4.1± 0.6	4.3± 0.6
2500 ppm	3.8± 0.5	4.1± 0.7*	4.1± 0.6	4.2± 0.6	4.3± 0.8	4.1± 0.7	4.3± 0.8

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 UNIT : g  
 REPORT TYPE : AI 104  
 SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)  
 ALL ANIMALS

PAGE : 10

Group Name	Administration week						
	46	50	54	58	62	66	70
Control	4.3± 0.6	4.4± 0.7	4.4± 0.6	4.5± 0.7	4.3± 0.6	4.5± 0.7	4.4± 0.4
100 ppm	4.5± 0.7	4.4± 0.8	4.6± 0.8	4.6± 0.8	4.5± 0.9	4.6± 0.7	4.5± 0.8
500 ppm	4.4± 0.8	4.5± 0.8	4.5± 0.7	4.5± 0.9	4.5± 0.9	4.5± 0.7	4.5± 0.6
2500 ppm	4.4± 0.8	4.4± 0.7	4.6± 0.7	4.8± 0.9	4.8± 1.1	4.6± 0.8	4.5± 0.8

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0462  
 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						
	74	78	82	86	90	94	98
Control	4.5± 0.7	4.7± 0.8	4.8± 0.8	4.7± 0.9	4.5± 0.8	4.4± 0.8	4.8± 0.9
100 ppm	4.6± 0.9	4.5± 0.9	4.6± 0.7	5.0± 1.2	4.5± 0.8	4.4± 0.8	4.7± 0.6
500 ppm	4.5± 0.9	4.5± 0.9	4.6± 0.9	4.9± 0.9	4.6± 0.9	4.2± 0.9	4.8± 0.7
2500 ppm	4.7± 1.2	4.6± 0.9	4.6± 1.0	4.9± 1.0	4.6± 0.7	4.8± 0.9	5.0± 0.9

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0462  
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	4.8± 1.0	4.4± 1.1
100 ppm	4.6± 0.8	4.4± 0.9
500 ppm	4.9± 1.0	4.7± 0.7
2500 ppm	5.5± 1.0	4.3 ?

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

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

## APPENDIX E 1

### CHEMICAL INTAKE CHANGES : MALE

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 UNIT : g/kg/day  
 REPORT TYPE : A1 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
100 ppm	0.016± 0.001	0.015± 0.001	0.014± 0.001	0.014± 0.001	0.014± 0.001	0.013± 0.001	0.013± 0.001
500 ppm	0.081± 0.006	0.076± 0.006	0.072± 0.005	0.070± 0.005	0.070± 0.004	0.066± 0.004	0.067± 0.004
2500 ppm	0.422± 0.073	0.424± 0.055	0.362± 0.046	0.357± 0.032	0.348± 0.031	0.326± 0.025	0.343± 0.029

(HAN300)

BAIS 4

STUDY NO. : 0462  
 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)		9	10	11	12	13	14
	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
100 ppm	0.013± 0.001		0.013± 0.001	0.013± 0.001	0.013± 0.001	0.013± 0.001	0.012± 0.001	0.012± 0.001
500 ppm	0.065± 0.003		0.064± 0.003	0.063± 0.003	0.061± 0.003	0.062± 0.004	0.060± 0.003	0.059± 0.003
2500 ppm	0.325± 0.024		0.330± 0.027	0.320± 0.023	0.313± 0.025	0.315± 0.022	0.307± 0.026	0.305± 0.022

(HAN300)

BAIS 4



STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 UNIT : g/kg/day  
 REPORT TYPE : A1 104  
 SEX : MALE

CHEMICAL INTAKE CHANGES (SUMMARY)  
 ALL ANIMALS

PAGE : 3

Group Name	Administration (weeks)						
	18	22	26	30	34	38	42
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
100 ppm	0.011± 0.001	0.011± 0.001	0.010± 0.001	0.010± 0.001	0.009± 0.001	0.009± 0.001	0.009± 0.001
500 ppm	0.052± 0.003	0.052± 0.003	0.051± 0.003	0.050± 0.005	0.047± 0.004	0.045± 0.003	0.044± 0.003
2500 ppm	0.274± 0.020	0.277± 0.019	0.279± 0.026	0.275± 0.027	0.271± 0.028	0.264± 0.037	0.264± 0.035

(HAN300)

BAIS 4

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 UNIT : g/kg/day  
 REPORT TYPE : A1 104  
 SEX : MALE

CHEMICAL INTAKE CHANGES (SUMMARY)  
 ALL ANIMALS

PAGE : 4

Group Name	Administration (weeks)						
	46	50	54	58	62	66	70
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
100 ppm	0.009± 0.001	0.009± 0.001	0.009± 0.001	0.009± 0.001	0.008± 0.001	0.008± 0.001	0.008± 0.001
500 ppm	0.045± 0.006	0.043± 0.003	0.044± 0.003	0.041± 0.004	0.042± 0.004	0.042± 0.005	0.040± 0.006
2500 ppm	0.261± 0.028	0.266± 0.034	0.272± 0.043	0.260± 0.039	0.281± 0.048	0.303± 0.055	0.311± 0.058

(HAN300)

BAIS 4

STUDY NO. : 0462  
 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)		78	82	86	90	94	98
	74							
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
100 ppm	0.009 ± 0.001		0.009 ± 0.001	0.009 ± 0.001	0.009 ± 0.001	0.009 ± 0.002	0.009 ± 0.002	0.010 ± 0.003
500 ppm	0.042 ± 0.007		0.043 ± 0.009	0.044 ± 0.008	0.048 ± 0.007	0.045 ± 0.015	0.048 ± 0.012	0.050 ± 0.010
2500 ppm	0.337 ± 0.067		0.360 ± 0.074	0.397 ± 0.072	0.433 ± 0.084	0.390 ± 0.070	0.355 ± 0.055	0.370 ± 0.039

(HAN300)

BAIS 4

STUDY NO. : 0462  
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
100 ppm	0.010±	0.003	0.010±	0.003
500 ppm	0.057±	0.013	0.061±	0.014
2500 ppm	0.479±	0.148	0.400±	0.066

(HAN300)

BAIS 4

## APPENDIX E 2

### CHEMICAL INTAKE CHANGES : FEMALE

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 UNIT : g/kg/day  
 REPORT TYPE : AI 104  
 SEX : FEMALE

CHEMICAL INTAKE CHANGES (SUMMARY)  
 ALL ANIMALS

PAGE : 7

Group Name	Administration (weeks)		2	3	4	5	6	7
	1							
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
100 ppm	0.020± 0.002		0.018± 0.002	0.017± 0.002	0.017± 0.001	0.017± 0.002	0.016± 0.001	0.017± 0.002
500 ppm	0.095± 0.008		0.090± 0.009	0.083± 0.006	0.081± 0.007	0.083± 0.008	0.079± 0.008	0.083± 0.010
2500 ppm	0.477± 0.059		0.446± 0.044	0.407± 0.035	0.398± 0.040	0.400± 0.037	0.385± 0.040	0.412± 0.043

(HAN300)

BAIS 4

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 UNIT : g/kg/d a y  
 REPORT TYPE : A1 104  
 SEX : FEMALE

CHEMICAL INTAKE CHANGES (SUMMARY)  
 ALL ANIMALS

PAGE : 8

Group Name	Administration (weeks)		9	10	11	12	13	14
	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
100 ppm	0.016± 0.002		0.016± 0.002	0.016± 0.002	0.016± 0.002	0.016± 0.002	0.015± 0.002	0.015± 0.002
500 ppm	0.077± 0.008		0.080± 0.010	0.078± 0.008	0.078± 0.010	0.077± 0.009	0.073± 0.009	0.074± 0.009
2500 ppm	0.390± 0.049		0.396± 0.038	0.378± 0.038	0.378± 0.038	0.385± 0.046	0.361± 0.044	0.360± 0.044

(HAN300)

BAIS 4

STUDY NO. : 0462  
 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)									
	18	22	26	30	34	38	42			
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		
100 ppm	0.014± 0.002	0.014± 0.002	0.014± 0.002	0.013± 0.002	0.013± 0.002	0.013± 0.002	0.013± 0.002	0.013± 0.002		
500 ppm	0.068± 0.008	0.067± 0.009	0.066± 0.010	0.065± 0.010	0.061± 0.009	0.059± 0.009	0.060± 0.010			
2500 ppm	0.343± 0.046	0.352± 0.059	0.348± 0.053	0.342± 0.055	0.342± 0.057	0.327± 0.055	0.337± 0.059			

(HAN300)

BAIS 4



STUDY NO. : 0462  
 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)									
	46	50	54	58	62	66	70			
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	
100 ppm	0.013± 0.002	0.012± 0.002	0.012± 0.002	0.012± 0.002	0.012± 0.002	0.011± 0.002	0.011± 0.002	0.011± 0.002	0.011± 0.002	
500 ppm	0.059± 0.011	0.059± 0.011	0.059± 0.009	0.058± 0.013	0.057± 0.012	0.056± 0.008	0.056± 0.009	0.056± 0.009	0.056± 0.009	
2500 ppm	0.340± 0.060	0.350± 0.068	0.366± 0.064	0.388± 0.075	0.401± 0.089	0.391± 0.070	0.396± 0.076	0.396± 0.076	0.396± 0.076	

(HAN300)

BAIS 4

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 UNIT : g/kg/day  
 REPORT TYPE : A1 104  
 SEX : FEMALE

CHEMICAL INTAKE CHANGES (SUMMARY)  
 ALL ANIMALS

PAGE : 11

Group Name	Administration (weeks)									
	74	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		
100 ppm	0.012± 0.002	0.012± 0.002	0.012± 0.002	0.013± 0.003	0.012± 0.002	0.012± 0.002	0.012± 0.002	0.012± 0.002		
500 ppm	0.056± 0.011	0.058± 0.011	0.061± 0.013	0.067± 0.014	0.064± 0.015	0.060± 0.015	0.069± 0.015	0.069± 0.015		
2500 ppm	0.429± 0.111	0.417± 0.088	0.423± 0.088	0.465± 0.090	0.436± 0.069	0.467± 0.085	0.474± 0.098	0.474± 0.098		

(HAN300)

BAIS 4

STUDY NO. : 0462  
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
100 ppm	0.012±	0.002	0.011±	0.002
500 ppm	0.073±	0.020	0.072±	0.014
2500 ppm	0.524±	0.106	0.427	

(HAN300)

BAIS 4

## APPENDIX F 1

### HEMATOLOGY : MALE

STUDY NO. : 0462  
 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 <sup>6</sup> /μl		HEMOGLOBIN g/dl		HEMATOCRIT %		MCV fl		MCH pg		MCHC g/dl		PLATELET 10 <sup>3</sup> /μl	
Control	33	9.62±	1.13	13.8±	1.4	43.7±	4.5	45.5±	2.2	14.4±	0.6	31.6±	1.1	1751±	430
100 ppm	33	9.56±	1.30	13.5±	1.7	43.1±	5.0	45.3±	2.4	14.2±	0.7	31.3±	1.2	1723±	295
500 ppm	14	8.34±	2.75	11.6±	3.5	37.9±	9.8	47.5±	7.4	14.2±	1.2	30.2±	2.3	1549±	540
2500 ppm	8	8.92±	2.02	13.0±	2.7	41.7±	6.8	47.6±	4.2	14.6±	0.6	30.8±	1.9	1658±	711

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

\*\* :  $P \leq 0.01$

Test of Dunnett

(HCL070)

BAIS 4

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
MEASURE. TIME : 1  
SEX : MALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)  
ALL ANIMALS (105W)

PAGE : 2

Group Name	NO. of Animals	RETICULOCYTE %	
Control	33	2.4±	1.6
100 ppm	33	2.8±	2.3
500 ppm	14	9.4±	12.7**
2500 ppm	8	8.0±	5.4**

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

Test of Dunnett

(HCL070)

BAIS 4

STUDY NO. : 0462  
 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 <sup>3</sup> /μl		Differential N-BAND		WBC (%) N-SEG		EOSINO		BASO		MONO		LYMPHO		OTHER	
Control	33	3.02±	2.16	1±	1	26±	9	2±	2	0±	0	4±	2	67±	10	1±	2
100 ppm	33	2.64±	1.40	1±	1	28±	12	1±	1	0±	0	4±	2	64±	17	2±	9
500 ppm	14	2.63±	1.07	1±	2	33±	12	1±	1*	0±	0	3±	2	61±	14	2±	5
2500 ppm	8	3.31±	1.20	3±	3	57±	12**	0±	0**	0±	0	3±	2	35±	14**	2±	2

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

\*\* :  $P \leq 0.01$

Test of Dunnett

(HCL070)

BAIS 4

## APPENDIX F 2

### HEMATOLOGY : FEMALE



STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 MEASURE. TIME : 1  
 SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)  
 ALL ANIMALS (105W)

PAGE : 4

Group Name	NO. of Animals	RED BLOOD CELL 10 <sup>5</sup> /μl		HEMOGLOBIN g/dl		HEMATOCRIT %		MCV fl		MCH pg		MCHC g/dl		PLATELET 10 <sup>5</sup> /μl	
Control	29	9.24±	1.29	13.6±	1.7	42.9±	4.3	46.9±	3.8	14.8±	0.6	31.6±	1.5	1097±	293
100 ppm	34	9.32±	1.18	13.7±	1.7	43.2±	4.7	46.5±	2.4	14.7±	0.5	31.7±	1.1	1058±	301
500 ppm	25	9.30±	1.57	13.4±	2.1	43.2±	6.5	46.8±	2.7	14.4±	0.6*	30.9±	1.3	1168±	354
2500 ppm	4	10.00±	1.00	15.3±	1.2	47.8±	4.9	47.9±	2.1	15.3±	0.5	32.0±	0.9	923±	522

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

\*\* :  $P \leq 0.01$

Test of Dunnett

(HCL070)

BAIS 4

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
MEASURE. TIME : 1  
SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)  
ALL ANIMALS (105W)

PAGE : 5

Group Name	NO. of Animals	RETICULOCYTE %	
Control	29	4.7±	8.0
100 ppm	34	3.1±	2.7
500 ppm	25	5.2±	3.9**
2500 ppm	4	5.3±	1.0*

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

Test of Dunnett

(HCL070)

BAIS 4

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 MEASURE. TIME : 1  
 SEX : FEMALE

HEMATOLOGY (SUMMARY)  
 ALL ANIMALS (105W)

REPORT TYPE : A1

PAGE : 6

Group Name	NO. of Animals	WBC 10 <sup>3</sup> /μl		Differential N-BAND		WBC (%) N-SEG		EOSINO		BASO		MONO		LYMPHO		OTHER	
Control	29	3.31±	3.44	0±	1	27±	14	3±	3	0±	0	4±	2	62±	18	3±	6
100 ppm	34	3.33±	4.78	0±	0	22±	11	2±	2	0±	0	4±	2	69±	16	4±	14
500 ppm	25	3.08±	1.56	1±	1	28±	14	2±	6*	0±	0	3±	2	61±	19	4±	5
2500 ppm	4	1.12±	0.41*	2±	1	69±	9**	0±	1*	0±	0	2±	2	25±	6**	2±	3

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

\*\* :  $P \leq 0.01$

Test of Dunnett

(HCL070)

BAIS 4

## APPENDIX G 1

BIOCHEMISTRY : MALE

STUDY NO. : 0462

ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]

MEASURE. TIME : 1

SEX : MALE

REPORT TYPE : A1

## BIOCHEMISTRY (SUMMARY)

ALL ANIMALS (105W)

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	34	5.6±	0.9	3.0±	0.5	1.2±	0.2	0.15±	0.07	197±	48	128±	59	34±	16
100 ppm	34	5.5±	0.8	2.9±	0.6	1.1±	0.2	0.14±	0.03	199±	54	151±	64	44±	24
500 ppm	14	5.6±	0.3	3.1±	0.2	1.2±	0.2	0.29±	0.26*	167±	58	200±	79**	27±	15
2500 ppm	8	5.8±	0.9	3.3±	0.6	1.3±	0.2	0.38±	0.20**	138±	22*	339±	78**	29±	15

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

Test of Dunnett

(HCL074)

BAIS 4

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj: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 IU/l		ALT IU/l		LDH IU/l		ALP IU/l		G-GTP IU/l		CK IU/l	
Control	34	217±	86	306±	787	234±	579	929±	2145	145±	52	2±	1	54±	32
100 ppm	34	247±	79	156±	209	120±	173	495±	693	215±	186	1±	1	58±	34
500 ppm	14	354±	140**	549±	590**	610±	759**	7530±	10481**	1013±	715**	3±	2*	202±	395**
2500 ppm	8	576±	120**	3136±	3412**	2400±	2502**	10515±	10479**	2448±	1025**	74±	29**	139±	38**

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

\*\* :  $P \leq 0.01$

Test of Dunnett

(HCL074)

BAIS 4

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj: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	34	20.6±	3.0	153±	2	4.1±	0.4	121±	3	9.2±	0.6	6.3±	0.8
100 ppm	34	21.3±	3.8	153±	2	4.1±	0.5	122±	4	9.3±	0.5	6.4±	0.9
500 ppm	14	27.5±	22.7	154±	3	4.2±	0.9	123±	4	9.8±	1.3*	6.2±	1.3
2500 ppm	8	21.0±	4.3	153±	2	5.0±	0.8**	121±	2	10.2±	0.4**	7.4±	0.8**

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

\*\* :  $P \leq 0.01$

Test of Dunnett

(HCL074)

BAIS 4

## APPENDIX G 2

### BIOCHEMISTRY : FEMALE



STUDY NO. : 0462  
 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	29	5.1±	0.9	2.7±	0.3	1.2±	0.3	0.14±	0.03	170±	35	76±	21	28±	18
100 ppm	34	4.9±	0.4	2.8±	0.2	1.3±	0.2	0.16±	0.07	160±	40	89±	23	34±	30
500 ppm	26	6.0±	1.1**	3.0±	0.2**	1.1±	0.3	0.24±	0.16**	165±	46	166±	73**	27±	29
2500 ppm	4	6.6±	0.2**	3.7±	0.2**	1.3±	0.1	0.58±	0.12**	61±	44**	558±	245**	45±	34

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

\*\* :  $P \leq 0.01$

Test of Dunnett

(HCL074)

BAIS 4

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 MEASURE. TIME : 1  
 SEX : FEMALE

BIOCHEMISTRY (SUMMARY)  
 ALL ANIMALS (105W)

REPORT TYPE : A1

PAGE : 5

Group Name	NO. of Animals	PHOSPHOLIPID mg/dl		AST IU/l		ALT IU/l		LDH IU/l		ALP IU/l		G-GTP IU/l		CK IU/l	
Control	29	137±	32	94±	45	36±	27	409±	395	170±	56	1±	1	91±	98
100 ppm	34	164±	35	105±	122	51±	62	393±	528	200±	95	1±	1	64±	44
500 ppm	26	312±	154**	449±	824**	480±	816**	2078±	4212**	805±	738**	5±	8**	106±	96
2500 ppm	4	867±	307**	1432±	796**	2115±	779**	6228±	2802**	4432±	1221**	250±	30**	241±	229

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

\*\* :  $P \leq 0.01$

Test of Dunnett

(HCL074)

BAIS 4

STUDY NO. : 0462

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	29	17.5±	5.2	152±	2	4.2±	0.3	123±	2	9.0±	0.5	5.7±	0.8
100 ppm	34	15.2±	3.0	152±	2	4.2±	0.6	123±	2	9.0±	0.4	5.7±	0.9
500 ppm	26	21.3±	9.8	152±	3	4.2±	0.6	121±	3	9.8±	0.7**	6.1±	1.2
2500 ppm	4	35.5±	15.1*	155±	4	6.2±	1.8*	125±	6	10.3±	0.6**	7.9±	1.3**

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

Test of Dunnett

(HCL074)

BAIS 4

## APPENDIX H 1

### URINALYSIS : MALE

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]  
 MEASURE. TIME : 1  
 SEX : MALE

URINALYSIS

REPORT TYPE : A1

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	36	0	6	10	12	7	1	0		0	3	21	11	1	0		36	0	0	0	0	0		9	25	2	0	0	0		31	0	1	1	3
100 ppm	36	0	8	4	7	13	4	0		0	2	18	14	2	0		36	0	0	0	0	0		5	29	2	0	0	0		33	0	0	0	3
500 ppm	20	0	5	3	5	5	2	0		0	5	9	6	0	0		20	0	0	0	0	0		10	9	1	0	0	0		18	2	0	0	0
2500 ppm	10	0	2	3	0	5	0	0		1	4	5	0	0	0	*	10	0	0	0	0	0		0	8	2	0	0	0		10	0	0	0	0

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

Test of CHI SQUARE

(HCL101)

BATS 4

STUDY NO. : 0462

URINALYSIS

ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]

MEASURE. TIME : 1

SEX : MALE

REPORT TYPE : A1

PAGE : 2

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Group Name	NO. of Animals	Urobilinogen ± + 2+ 3+ 4+ CHI
Control	36	36 0 0 0 0
100 ppm	36	36 0 0 0 0
500 ppm	20	20 0 0 0 0
2500 ppm	10	10 0 0 0 0

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

Test of CHI SQUARE

(HCL101)

BATS 4

## APPENDIX H 2

### URINALYSIS : FEMALE

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
MEASURE. TIME : 1  
SEX : FEMALE

URINALYSIS

REPORT TYPE : A1

PAGE : 3

Group Name	NO. of Animals	pH							CHI	Protein					CHI	Glucose					CHI	Ketone body					CHI	Occult blood					CHI		
		5.0	6.0	6.5	7.0	7.5	8.0	8.5		-	±	+	2+	3+		4+	-	±	+	2+		3+	4+	-	±	+		2+	3+	4+	-	±		+	2+
Control	29	0	3	8	9	6	3	0		0	7	15	7	0	0		29	0	0	0	0	0		3	21	3	2	0	0		25	0	0	0	4
100 ppm	34	0	5	13	10	3	3	0		0	4	19	11	0	0		34	0	0	0	0	0		0	25	8	1	0	0		28	0	1	1	4
500 ppm	26	0	2	5	9	6	4	0		5	7	13	1	0	0	*	26	0	0	0	0	0		4	17	4	1	0	0		25	0	0	1	0
2500 ppm	8	0	3	3	0	2	0	0		1	4	2	1	0	0		8	0	0	0	0	0		0	2	4	2	0	0	*	8	0	0	0	0

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

Test of CHI SQUARE

(HCL101)

BAIS 4



STUDY NO. : 0462

URINALYSIS

ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]

MEASURE. TIME : 1

SEX : FEMALE

REPORT TYPE : A1

PAGE : 4

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Group Name	NO. of Animals	Urobilinogen ± + 2+ 3+ 4+ CHI
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Control	29	29 0 0 0 0
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100 ppm	34	34 0 0 0 0
---------	----	------------

500 ppm	26	26 0 0 0 0
---------	----	------------

2500 ppm	8	8 0 0 0 0
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Significant difference : \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$

Test of CHI SQUARE

(HCL101)

BATS 4

## APPENDIX I 1

GROSS FINDINGS : MALE

ALL ANIMALS

STUDY NO. : 0462  
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	100 ppm	500 ppm	2500 ppm
			50 (%)	50 (%)	50 (%)	50 (%)
skin/app	nodule		1 ( 2)	0 ( 0)	0 ( 0)	0 ( 0)
	erosion		0 ( 0)	1 ( 2)	0 ( 0)	0 ( 0)
	scab		3 ( 6)	1 ( 2)	0 ( 0)	0 ( 0)
subcutis	edema		1 ( 2)	1 ( 2)	1 ( 2)	0 ( 0)
	mass		1 ( 2)	1 ( 2)	2 ( 4)	0 ( 0)
lung	red zone		1 ( 2)	0 ( 0)	0 ( 0)	1 ( 2)
	nodule		10 ( 20)	13 ( 26)	8 ( 16)	11 ( 22)
lymph node	enlarged		3 ( 6)	7 ( 14)	5 ( 10)	1 ( 2)
spleen	enlarged		2 ( 4)	3 ( 6)	7 ( 14)	3 ( 6)
	white zone		1 ( 2)	0 ( 0)	0 ( 0)	0 ( 0)
	black zone		0 ( 0)	1 ( 2)	0 ( 0)	0 ( 0)
	nodule		0 ( 0)	2 ( 4)	2 ( 4)	1 ( 2)
	accentuation of white pulp		0 ( 0)	2 ( 4)	0 ( 0)	0 ( 0)
tongue	white zone		1 ( 2)	0 ( 0)	0 ( 0)	0 ( 0)
salivary gl	nodule		1 ( 2)	0 ( 0)	0 ( 0)	0 ( 0)
small intes	nodule		0 ( 0)	0 ( 0)	0 ( 0)	1 ( 2)
large intes	white zone		1 ( 2)	0 ( 0)	0 ( 0)	0 ( 0)
liver	enlarged		3 ( 6)	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)	4 ( 8)	3 ( 6)	0 ( 0)
	nodule		27 ( 54)	33 ( 66)	47 ( 94)	48 ( 96)

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 2

Organ	Findings	Group Name NO. of Animals	Control		100 ppm		500 ppm		2500 ppm	
			50	(%)	50	(%)	50	(%)	50	(%)
pancreas	nodule		0	( 0)	1	( 2)	0	( 0)	0	( 0)
	adhesion		0	( 0)	1	( 2)	0	( 0)	0	( 0)
kidney	nodule		0	( 0)	0	( 0)	1	( 2)	0	( 0)
	cyst		0	( 0)	1	( 2)	0	( 0)	0	( 0)
	hydronephrosis		1	( 2)	4	( 8)	2	( 4)	1	( 2)
urin bladd	nodule		0	( 0)	1	( 2)	0	( 0)	0	( 0)
	urine:marked retention		3	( 6)	4	( 8)	1	( 2)	0	( 0)
adrenal	enlarged		1	( 2)	0	( 0)	0	( 0)	0	( 0)
testis	nodule		0	( 0)	1	( 2)	0	( 0)	0	( 0)
epididymis	nodule		1	( 2)	0	( 0)	0	( 0)	3	( 6)
	adhesion		0	( 0)	1	( 2)	0	( 0)	0	( 0)
semin ves	red zone		3	( 6)	0	( 0)	0	( 0)	0	( 0)
prostate	red zone		1	( 2)	0	( 0)	0	( 0)	0	( 0)
prep/cli gl	nodule		0	( 0)	0	( 0)	1	( 2)	0	( 0)
brain	hemorrhage		1	( 2)	0	( 0)	0	( 0)	0	( 0)
	nodule		0	( 0)	0	( 0)	0	( 0)	1	( 2)
Harder gl	enlarged		1	( 2)	1	( 2)	0	( 0)	0	( 0)
	nodule		0	( 0)	0	( 0)	0	( 0)	1	( 2)
bone	nodule		0	( 0)	0	( 0)	1	( 2)	0	( 0)
mediastinum	nodule		1	( 2)	0	( 0)	0	( 0)	0	( 0)
	mass		1	( 2)	0	( 0)	0	( 0)	0	( 0)
peritoneum	nodule		0	( 0)	1	( 2)	2	( 4)	1	( 2)

STUDY NO. : 0462  
 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		100 ppm		500 ppm		2500 ppm	
			50	(%)	50	(%)	50	(%)	50	(%)
retroperit	red zone		0	( 0)	0	( 0)	1	( 2)	0	( 0)
	mass		1	( 2)	0	( 0)	0	( 0)	0	( 0)
abdominal c	hemorrhage		1	( 2)	0	( 0)	1	( 2)	4	( 8)
	mass		0	( 0)	0	( 0)	0	( 0)	1	( 2)
	ascites		0	( 0)	1	( 2)	9	( 18)	4	( 8)
mesenterium	nodule		1	( 2)	0	( 0)	0	( 0)	0	( 0)
thoracic ca	hemorrhage		0	( 0)	0	( 0)	1	( 2)	0	( 0)
	pleural fluid		1	( 2)	2	( 4)	1	( 2)	2	( 4)
other	tail:nodule		1	( 2)	0	( 0)	2	( 4)	0	( 0)
whole body	anemic		2	( 4)	0	( 0)	2	( 4)	0	( 0)

(HPT080)

BAIS 4

## APPENDIX I 2

### GROSS FINDINGS : MALE DEAD AND MORIBUND ANIMALS

STUDY NO. : 0462  
 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		100 ppm		500 ppm		2500 ppm	
			15	(%)	15	(%)	33	(%)	42	(%)
subcutis	edema		1	( 7)	1	( 7)	1	( 3)	0	( 0)
	mass		0	( 0)	0	( 0)	2	( 6)	0	( 0)
lung	red zone		0	( 0)	0	( 0)	0	( 0)	1	( 2)
	nodule		3	( 20)	4	( 27)	5	( 15)	9	( 21)
lymph node	enlarged		2	( 13)	3	( 20)	3	( 9)	1	( 2)
spleen	enlarged		2	( 13)	1	( 7)	5	( 15)	3	( 7)
	white zone		1	( 7)	0	( 0)	0	( 0)	0	( 0)
	black zone		0	( 0)	1	( 7)	0	( 0)	0	( 0)
	nodule		0	( 0)	1	( 7)	1	( 3)	1	( 2)
	accentuation of white pulp		0	( 0)	1	( 7)	0	( 0)	0	( 0)
salivary gl	nodule		1	( 7)	0	( 0)	0	( 0)	0	( 0)
large intes	white zone		1	( 7)	0	( 0)	0	( 0)	0	( 0)
liver	enlarged		3	( 20)	0	( 0)	0	( 0)	0	( 0)
	pale		1	( 7)	0	( 0)	0	( 0)	0	( 0)
	white zone		2	( 13)	0	( 0)	0	( 0)	0	( 0)
	red zone		0	( 0)	1	( 7)	2	( 6)	0	( 0)
	nodule		6	( 40)	8	( 53)	30	( 91)	40	( 95)
pancreas	nodule		0	( 0)	1	( 7)	0	( 0)	0	( 0)
	adhesion		0	( 0)	1	( 7)	0	( 0)	0	( 0)
kidney	nodule		0	( 0)	0	( 0)	1	( 3)	0	( 0)
	hydronephrosis		0	( 0)	2	( 13)	2	( 6)	1	( 2)
urin bladd	urine:marked retention		2	( 13)	4	( 27)	1	( 3)	0	( 0)

STUDY NO. : 0462  
 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		100 ppm		500 ppm		2500 ppm	
			15	(%)	15	(%)	33	(%)	42	(%)
adrenal	enlarged		1	( 7)	0	( 0)	0	( 0)	0	( 0)
epididymis	nodule		1	( 7)	0	( 0)	0	( 0)	3	( 7)
	adhesion		0	( 0)	1	( 7)	0	( 0)	0	( 0)
semin ves	red zone		2	( 13)	0	( 0)	0	( 0)	0	( 0)
prostate	red zone		1	( 7)	0	( 0)	0	( 0)	0	( 0)
brain	hemorrhage		1	( 7)	0	( 0)	0	( 0)	0	( 0)
	nodule		0	( 0)	0	( 0)	0	( 0)	1	( 2)
Harder gl	nodule		0	( 0)	0	( 0)	0	( 0)	1	( 2)
bone	nodule		0	( 0)	0	( 0)	1	( 3)	0	( 0)
mediastinum	nodule		1	( 7)	0	( 0)	0	( 0)	0	( 0)
	mass		1	( 7)	0	( 0)	0	( 0)	0	( 0)
peritoneum	nodule		0	( 0)	1	( 7)	2	( 6)	1	( 2)
retroperit	red zone		0	( 0)	0	( 0)	1	( 3)	0	( 0)
abdominal c	hemorrhage		1	( 7)	0	( 0)	1	( 3)	4	( 10)
	mass		0	( 0)	0	( 0)	0	( 0)	1	( 2)
	ascites		0	( 0)	1	( 7)	7	( 21)	4	( 10)
thoracic ca	hemorrhage		0	( 0)	0	( 0)	1	( 3)	0	( 0)
	pleural fluid		1	( 7)	2	( 13)	1	( 3)	2	( 5)
other	tail:nodule		1	( 7)	0	( 0)	2	( 6)	0	( 0)
whole body	anemic		2	( 13)	0	( 0)	2	( 6)	0	( 0)



## APPENDIX I 3

### GROSS FINDINGS : MALE SACRIFICED ANIMALS

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Cri:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

GROSS FINDINGS (SUMMARY)  
 SACRIFICED ANIMALS (105W)

PAGE : 1

Organ	Findings	Group Name NO. of Animals	Control		100 ppm		500 ppm		2500 ppm	
			35	(%)	35	(%)	17	(%)	8	(%)
skin/app	nodule		1	( 3)	0	( 0)	0	( 0)	0	( 0)
	erosion		0	( 0)	1	( 3)	0	( 0)	0	( 0)
	scab		3	( 9)	1	( 3)	0	( 0)	0	( 0)
subcutis	mass		1	( 3)	1	( 3)	0	( 0)	0	( 0)
lung	red zone		1	( 3)	0	( 0)	0	( 0)	0	( 0)
	nodule		7	( 20)	9	( 26)	3	( 18)	2	( 25)
lymph node	enlarged		1	( 3)	4	( 11)	2	( 12)	0	( 0)
spleen	enlarged		0	( 0)	2	( 6)	2	( 12)	0	( 0)
	nodule		0	( 0)	1	( 3)	1	( 6)	0	( 0)
	accentuation of white pulp		0	( 0)	1	( 3)	0	( 0)	0	( 0)
tongue	white zone		1	( 3)	0	( 0)	0	( 0)	0	( 0)
small intes	nodule		0	( 0)	0	( 0)	0	( 0)	1	( 13)
liver	white zone		1	( 3)	4	( 11)	0	( 0)	0	( 0)
	red zone		1	( 3)	3	( 9)	1	( 6)	0	( 0)
	nodule		21	( 60)	25	( 71)	17	( 100)	8	( 100)
kidney	cyst		0	( 0)	1	( 3)	0	( 0)	0	( 0)
	hydronephrosis		1	( 3)	2	( 6)	0	( 0)	0	( 0)
urin bladd	nodule		0	( 0)	1	( 3)	0	( 0)	0	( 0)
	urine:marked retention		1	( 3)	0	( 0)	0	( 0)	0	( 0)
testis	nodule		0	( 0)	1	( 3)	0	( 0)	0	( 0)
semin ves	red zone		1	( 3)	0	( 0)	0	( 0)	0	( 0)
prep/cli gl	nodule		0	( 0)	0	( 0)	1	( 6)	0	( 0)

STUDY NO. : 0462  
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		100 ppm		500 ppm		2500 ppm	
			35	(%)	35	(%)	17	(%)	8	(%)
Harder gl	enlarged		1	( 3)	1	( 3)	0	( 0)	0	( 0)
retroperit	mass		1	( 3)	0	( 0)	0	( 0)	0	( 0)
abdominal c	ascites		0	( 0)	0	( 0)	2	( 12)	0	( 0)
mesenterium	nodule		1	( 3)	0	( 0)	0	( 0)	0	( 0)

(HPT080)

BAIS 4

## APPENDIX I 4

GROSS FINDINGS : FEMALE

ALL ANIMALS

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/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		100 ppm		500 ppm		2500 ppm	
			50	(%)	50	(%)	50	(%)	50	(%)
skin/app	nodule		0	( 0)	3	( 6)	0	( 0)	0	( 0)
	scab		2	( 4)	0	( 0)	1	( 2)	0	( 0)
subcutis	edema		5	( 10)	3	( 6)	1	( 2)	2	( 4)
	mass		2	( 4)	1	( 2)	2	( 4)	1	( 2)
lung	white zone		1	( 2)	1	( 2)	0	( 0)	0	( 0)
	red zone		0	( 0)	0	( 0)	0	( 0)	1	( 2)
	brown zone		1	( 2)	0	( 0)	0	( 0)	0	( 0)
	nodule		5	( 10)	6	( 12)	4	( 8)	18	( 36)
lymph node	enlarged		8	( 16)	3	( 6)	12	( 24)	2	( 4)
spleen	enlarged		7	( 14)	11	( 22)	8	( 16)	4	( 8)
	white zone		0	( 0)	1	( 2)	0	( 0)	0	( 0)
	black zone		0	( 0)	1	( 2)	1	( 2)	0	( 0)
	nodule		0	( 0)	1	( 2)	2	( 4)	2	( 4)
	accentuation of white pulp		1	( 2)	1	( 2)	0	( 0)	0	( 0)
tongue	nodule		1	( 2)	0	( 0)	0	( 0)	0	( 0)
forestomach	nodule		0	( 0)	1	( 2)	0	( 0)	1	( 2)
gl stomach	black zone		0	( 0)	0	( 0)	1	( 2)	0	( 0)
	thick		1	( 2)	0	( 0)	0	( 0)	0	( 0)
small intes	white zone		0	( 0)	0	( 0)	1	( 2)	0	( 0)
	nodule		0	( 0)	1	( 2)	1	( 2)	0	( 0)
	ulcer		1	( 2)	0	( 0)	0	( 0)	0	( 0)
liver	enlarged		7	( 14)	2	( 4)	3	( 6)	0	( 0)

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : FEMALE

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

PAGE : 5

Organ	Findings	Group Name NO. of Animals	Control		100 ppm		500 ppm		2500 ppm	
			50	(%)	50	(%)	50	(%)	50	(%)
liver	pale		1	( 2)	0	( 0)	0	( 0)	0	( 0)
	white zone		7	( 14)	10	( 20)	4	( 8)	3	( 6)
	red zone		5	( 10)	10	( 20)	2	( 4)	0	( 0)
	nodule		9	( 18)	20	( 40)	47	( 94)	50	(100)
	cyst		0	( 0)	0	( 0)	0	( 0)	1	( 2)
pancreas	nodule		0	( 0)	1	( 2)	0	( 0)	3	( 6)
	nodular		0	( 0)	0	( 0)	1	( 2)	0	( 0)
kidney	enlarged		0	( 0)	1	( 2)	0	( 0)	0	( 0)
	pale		0	( 0)	2	( 4)	0	( 0)	0	( 0)
	white zone		4	( 8)	0	( 0)	2	( 4)	1	( 2)
	black zone		1	( 2)	0	( 0)	0	( 0)	0	( 0)
	nodule		0	( 0)	0	( 0)	2	( 4)	2	( 4)
	hydronephrosis		0	( 0)	0	( 0)	1	( 2)	0	( 0)
urin bladd	urine:marked retention		0	( 0)	1	( 2)	0	( 0)	0	( 0)
pituitary	enlarged		1	( 2)	1	( 2)	0	( 0)	0	( 0)
	red zone		0	( 0)	0	( 0)	1	( 2)	0	( 0)
	nodule		1	( 2)	3	( 6)	1	( 2)	0	( 0)
adrenal	enlarged		0	( 0)	2	( 4)	0	( 0)	0	( 0)
ovary	enlarged		4	( 8)	4	( 8)	5	( 10)	2	( 4)
	cyst		9	( 18)	14	( 28)	4	( 8)	1	( 2)
uterus	enlarged		1	( 2)	0	( 0)	0	( 0)	0	( 0)
	black zone		0	( 0)	1	( 2)	0	( 0)	0	( 0)

STUDY NO. : 0462  
 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		100 ppm		500 ppm		2500 ppm	
			50	(%)	50	(%)	50	(%)	50	(%)
uterus	nodule		12	( 24)	9	( 18)	12	( 24)	5	( 10)
	dilated lumen		1	( 2)	1	( 2)	2	( 4)	0	( 0)
brain	red zone		0	( 0)	1	( 2)	0	( 0)	0	( 0)
	nodule		1	( 2)	0	( 0)	0	( 0)	0	( 0)
periph nerv	nodule		1	( 2)	0	( 0)	0	( 0)	0	( 0)
Harder gl	enlarged		0	( 0)	1	( 2)	0	( 0)	0	( 0)
muscle	mass		1	( 2)	0	( 0)	0	( 0)	0	( 0)
bone	nodule		0	( 0)	0	( 0)	1	( 2)	0	( 0)
mediastinum	nodule		1	( 2)	0	( 0)	0	( 0)	0	( 0)
	mass		3	( 6)	2	( 4)	2	( 4)	0	( 0)
peritoneum	nodule		0	( 0)	3	( 6)	0	( 0)	0	( 0)
	mass		1	( 2)	1	( 2)	0	( 0)	0	( 0)
retroperit	mass		0	( 0)	1	( 2)	0	( 0)	0	( 0)
abdominal c	hemorrhage		0	( 0)	2	( 4)	3	( 6)	12	( 24)
	ascites		8	( 16)	7	( 14)	9	( 18)	5	( 10)
thoracic ca	hemorrhage		1	( 2)	0	( 0)	0	( 0)	3	( 6)
	pleural fluid		9	( 18)	5	( 10)	5	( 10)	4	( 8)

## APPENDIX I 5

### GROSS FINDINGS : FEMALE DEAD AND MORIBUND ANIMALS



STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/CrLj[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		100 ppm		500 ppm		2500 ppm	
			21	(%)	16	(%)	24	(%)	45	(%)
skin/app	scab		2	( 10)	0	( 0)	0	( 0)	0	( 0)
subcutis	edema		5	( 24)	3	( 19)	1	( 4)	2	( 4)
	mass		1	( 5)	1	( 6)	1	( 4)	1	( 2)
lung	white zone		1	( 5)	0	( 0)	0	( 0)	0	( 0)
	red zone		0	( 0)	0	( 0)	0	( 0)	1	( 2)
	nodule		3	( 14)	1	( 6)	2	( 8)	15	( 33)
lymph node	enlarged		6	( 29)	2	( 13)	5	( 21)	2	( 4)
spleen	enlarged		6	( 29)	7	( 44)	6	( 25)	4	( 9)
	white zone		0	( 0)	1	( 6)	0	( 0)	0	( 0)
	nodule		0	( 0)	0	( 0)	1	( 4)	2	( 4)
	accentuation of white pulp		0	( 0)	1	( 6)	0	( 0)	0	( 0)
forestomach	nodule		0	( 0)	0	( 0)	0	( 0)	1	( 2)
gl stomach	black zone		0	( 0)	0	( 0)	1	( 4)	0	( 0)
	thick		1	( 5)	0	( 0)	0	( 0)	0	( 0)
small intes	nodule		0	( 0)	1	( 6)	0	( 0)	0	( 0)
	ulcer		1	( 5)	0	( 0)	0	( 0)	0	( 0)
liver	enlarged		7	( 33)	2	( 13)	3	( 13)	0	( 0)
	pale		1	( 5)	0	( 0)	0	( 0)	0	( 0)
	white zone		7	( 33)	6	( 38)	4	( 17)	3	( 7)
	red zone		0	( 0)	3	( 19)	0	( 0)	0	( 0)
	nodule		3	( 14)	5	( 31)	21	( 88)	45	(100)
	cyst		0	( 0)	0	( 0)	0	( 0)	1	( 2)

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Cxj: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		100 ppm		500 ppm		2500 ppm	
			21	(%)	16	(%)	24	(%)	45	(%)
pancreas	nodule		0	( 0)	1	( 6)	0	( 0)	3	( 7)
	nodular		0	( 0)	0	( 0)	1	( 4)	0	( 0)
kidney	pale		0	( 0)	2	( 13)	0	( 0)	0	( 0)
	white zone		3	( 14)	0	( 0)	0	( 0)	1	( 2)
	black zone		1	( 5)	0	( 0)	0	( 0)	0	( 0)
	nodule		0	( 0)	0	( 0)	2	( 8)	2	( 4)
	urine:marked retention		0	( 0)	1	( 6)	0	( 0)	0	( 0)
pituitary	red zone		0	( 0)	0	( 0)	1	( 4)	0	( 0)
	nodule		1	( 5)	1	( 6)	0	( 0)	0	( 0)
adrenal	enlarged		0	( 0)	1	( 6)	0	( 0)	0	( 0)
ovary	enlarged		4	( 19)	4	( 25)	4	( 17)	2	( 4)
	cyst		1	( 5)	2	( 13)	0	( 0)	1	( 2)
uterus	enlarged		1	( 5)	0	( 0)	0	( 0)	0	( 0)
	nodule		8	( 38)	5	( 31)	8	( 33)	5	( 11)
brain	red zone		0	( 0)	1	( 6)	0	( 0)	0	( 0)
	nodule		1	( 5)	0	( 0)	0	( 0)	0	( 0)
periph nerv	nodule		1	( 5)	0	( 0)	0	( 0)	0	( 0)
Harder gl	enlarged		0	( 0)	1	( 6)	0	( 0)	0	( 0)
mediastinum	nodule		1	( 5)	0	( 0)	0	( 0)	0	( 0)
	mass		2	( 10)	1	( 6)	2	( 8)	0	( 0)
peritoneum	mass		0	( 0)	1	( 6)	0	( 0)	0	( 0)
retroperit	mass		0	( 0)	1	( 6)	0	( 0)	0	( 0)

STUDY NO. : 0462  
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		100 ppm		500 ppm		2500 ppm	
			21	(%)	16	(%)	24	(%)	45	(%)
abdominal c	hemorrhage		0	( 0)	2	( 13)	3	( 13)	12	( 27)
	ascites		7	( 33)	4	( 25)	8	( 33)	5	( 11)
thoracic ca	hemorrhage		1	( 5)	0	( 0)	0	( 0)	3	( 7)
	pleural fluid		8	( 38)	4	( 25)	5	( 21)	4	( 9)

(HPT080)

BATS 4

## APPENDIX I 6

### GROSS FINDINGS : FEMALE SACRIFICED ANIMALS

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

GROSS FINDINGS (SUMMARY)  
 SACRIFICED ANIMALS (105W)

PAGE : 3

Organ	Findings	Group Name NO. of Animals	Control		100 ppm		500 ppm		2500 ppm	
			29	(%)	34	(%)	26	(%)	5	(%)
skin/app	nodule		0	( 0)	3	( 9)	0	( 0)	0	( 0)
	scab		0	( 0)	0	( 0)	1	( 4)	0	( 0)
subcutis	mass		1	( 3)	0	( 0)	1	( 4)	0	( 0)
lung	white zone		0	( 0)	1	( 3)	0	( 0)	0	( 0)
	brown zone		1	( 3)	0	( 0)	0	( 0)	0	( 0)
	nodule		2	( 7)	5	( 15)	2	( 8)	3	( 60)
lymph node	enlarged		2	( 7)	1	( 3)	7	( 27)	0	( 0)
spleen	enlarged		1	( 3)	4	( 12)	2	( 8)	0	( 0)
	black zone		0	( 0)	1	( 3)	1	( 4)	0	( 0)
	nodule		0	( 0)	1	( 3)	1	( 4)	0	( 0)
	accentuation of white pulp		1	( 3)	0	( 0)	0	( 0)	0	( 0)
tongue	nodule		1	( 3)	0	( 0)	0	( 0)	0	( 0)
forestomach	nodule		0	( 0)	1	( 3)	0	( 0)	0	( 0)
small intes	white zone		0	( 0)	0	( 0)	1	( 4)	0	( 0)
	nodule		0	( 0)	0	( 0)	1	( 4)	0	( 0)
liver	white zone		0	( 0)	4	( 12)	0	( 0)	0	( 0)
	red zone		5	( 17)	7	( 21)	2	( 8)	0	( 0)
	nodule		6	( 21)	15	( 44)	26	(100)	5	(100)
kidney	enlarged		0	( 0)	1	( 3)	0	( 0)	0	( 0)
	white zone		1	( 3)	0	( 0)	2	( 8)	0	( 0)
	hydronephrosis		0	( 0)	0	( 0)	1	( 4)	0	( 0)
pituitary	enlarged		1	( 3)	1	( 3)	0	( 0)	0	( 0)

STUDY NO. : 0462  
 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		100 ppm		500 ppm		2500 ppm	
			29	(%)	34	(%)	26	(%)	5	(%)
pituitary	nodule		0	( 0)	2	( 6)	1	( 4)	0	( 0)
adrenal	enlarged		0	( 0)	1	( 3)	0	( 0)	0	( 0)
ovary	enlarged		0	( 0)	0	( 0)	1	( 4)	0	( 0)
	cyst		8	( 28)	12	( 35)	4	( 15)	0	( 0)
uterus	black zone		0	( 0)	1	( 3)	0	( 0)	0	( 0)
	nodule		4	( 14)	4	( 12)	4	( 15)	0	( 0)
	dilated lumen		1	( 3)	1	( 3)	2	( 8)	0	( 0)
muscle	mass		1	( 3)	0	( 0)	0	( 0)	0	( 0)
bone	nodule		0	( 0)	0	( 0)	1	( 4)	0	( 0)
mediastinum	mass		1	( 3)	1	( 3)	0	( 0)	0	( 0)
peritoneum	nodule		0	( 0)	3	( 9)	0	( 0)	0	( 0)
	mass		1	( 3)	0	( 0)	0	( 0)	0	( 0)
abdominal c	ascites		1	( 3)	3	( 9)	1	( 4)	0	( 0)
thoracic ca	pleural fluid		1	( 3)	1	( 3)	0	( 0)	0	( 0)

## APPENDIX J 1

ORGAN WEIGHT, ABSOLUTE : MALE

STUDY NO. : 0462  
 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	47.7± 8.5	0.011± 0.002	0.227± 0.021	0.219± 0.024	0.211± 0.087	0.595± 0.056
100 ppm	35	46.1± 9.8	0.011± 0.002	0.255± 0.130	0.215± 0.027	0.220± 0.106	0.659± 0.270
500 ppm	17	37.2± 5.6**	0.013± 0.003	0.224± 0.021	0.205± 0.028	0.190± 0.020	0.606± 0.060
2500 ppm	8	28.2± 1.9**	0.011± 0.002	0.199± 0.019*	0.179± 0.021**	0.175± 0.014	0.545± 0.059

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

Test of Dunnett

(HCL040)

BATS 4



STUDY NO. : 0462  
 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	0.110±	0.083	2.055±	1.074	0.449±	0.012
100 ppm	35	0.129±	0.123	2.195±	0.623	0.449±	0.017
500 ppm	17	0.270±	0.336	4.652±	2.197**	0.448±	0.013
2500 ppm	8	0.110±	0.042	7.974±	1.338**	0.421±	0.019**

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

Test of Dunnett

(HCL040)

BAIS 4

## APPENDIX J 2

ORGAN WEIGHT, ABSOLUTE : FEMALE

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 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	29	34.9± 5.5	0.015±	0.003	0.072±	0.078	0.164±	0.019	0.186±	0.063	0.417±	0.065
100 ppm	34	35.5± 4.5	0.017±	0.019	0.069±	0.051	0.164±	0.024	0.208±	0.126	0.425±	0.074
500 ppm	26	30.3± 3.5**	0.014±	0.003	0.069±	0.066	0.158±	0.015	0.215±	0.168	0.467±	0.136
2500 ppm	5	24.4± 2.4**	0.012±	0.002	0.022±	0.013*	0.166±	0.055	0.197±	0.027	0.422±	0.068

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

Test of Dunnett

(HCL040)

BAIS 4

STUDY NO. : 0462  
 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	29	0.157±	0.108	1.413±	0.294	0.461±	0.011
100 ppm	34	0.216±	0.310	1.599±	0.745	0.464±	0.014
500 ppm	26	0.260±	0.253	3.601±	2.252**	0.450±	0.018**
2500 ppm	5	0.139±	0.073	8.152±	1.387**	0.409±	0.006**

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

Test of Dunnett

(HCL040)

BAIS 4

## APPENDIX K 1

ORGAN WEIGHT, RELATIVE : MALE

STUDY NO. : 0462  
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	47.7± 8.5	0.024± 0.008	0.491± 0.102	0.473± 0.107	0.459± 0.212	1.281± 0.222
100 ppm	35	46.1± 9.8	0.026± 0.010	0.584± 0.374	0.487± 0.119	0.528± 0.387	1.510± 0.841
500 ppm	17	37.2± 5.6**	0.035± 0.007**	0.614± 0.106**	0.557± 0.079*	0.521± 0.084*	1.650± 0.180**
2500 ppm	8	28.2± 1.9**	0.037± 0.008**	0.706± 0.046**	0.637± 0.073**	0.624± 0.068**	1.936± 0.160**

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

\*\* :  $P \leq 0.01$

Test of Dunnett

(HCL042)

BAIS 4

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : MALE  
UNIT: %

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

PAGE : 2

Group Name	NO. of Animals	SPLEEN	LIVER	BRAIN
Control	35	0.247 ± 0.205	4.682 ± 3.366	0.975 ± 0.201
100 ppm	35	0.308 ± 0.299	5.101 ± 2.348	1.025 ± 0.260
500 ppm	17	0.737 ± 0.888**	12.890 ± 6.586**	1.230 ± 0.182**
2500 ppm	8	0.393 ± 0.158*	28.286 ± 4.120**	1.500 ± 0.127**

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

(HCL042)

BAIS 4

## APPENDIX K 2

ORGAN WEIGHT, RELATIVE : FEMALE



STUDY NO. : 0462  
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	29	34.9± 5.5	0.043± 0.011	0.205± 0.220	0.480± 0.099	0.562± 0.316	1.220± 0.279
100 ppm	34	35.5± 4.5	0.047± 0.047	0.197± 0.140	0.471± 0.093	0.611± 0.446	1.221± 0.291
500 ppm	26	30.3± 3.5**	0.046± 0.010	0.223± 0.203	0.529± 0.076	0.773± 0.891**	1.569± 0.533**
2500 ppm	5	24.4± 2.4**	0.049± 0.005	0.092± 0.053	0.670± 0.148**	0.807± 0.104**	1.721± 0.142**

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

Test of Dunnett

(HCL042)

BAIS 4

STUDY NO. : 0462  
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	29	0.477± 0.386	4.147± 1.235	1.353± 0.228
100 ppm	34	0.616± 0.883	4.614± 2.557	1.329± 0.180
500 ppm	26	0.874± 0.901*	12.174± 7.567**	1.505± 0.183*
2500 ppm	5	0.550± 0.226	33.269± 3.223**	1.688± 0.153**

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

(HCL042)

BAIS 4

## APPENDIX L 1

HISTOPATHOLOGICAL FINDINGS :  
NON-NEOPLASTIC LESIONS : MALE  
ALL ANIMALS

STUDY NO. : 0462  
 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 Grade	Control				100 ppm				500 ppm				2500 ppm			
			50				50				50				50			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Integumentary system/appendage}																		
skin/app			<50>				<50>				<50>				<50>			
	inflammation		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 )
	scab		3	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 )	( 0 )	( 0 )	( 0 )
	epidermal cyst		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 )
subcutis			<50>				<50>				<50>				<50>			
	inflammation		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 )
{Respiratory system}																		
nasal cavit			<50>				<50>				<50>				<50>			
	eosinophilic change:olfactory epithelium		14	0	0	0	11	0	0	0	12	1	0	0	10	0	0	0
			( 28 )	( 0 )	( 0 )	( 0 )	( 22 )	( 0 )	( 0 )	( 0 )	( 24 )	( 2 )	( 0 )	( 0 )	( 20 )	( 0 )	( 0 )	( 0 )
	eosinophilic change:respiratory epithelium		15	0	0	0	18	3	0	0	15	2	0	0	16	2	0	0
			( 30 )	( 0 )	( 0 )	( 0 )	( 36 )	( 6 )	( 0 )	( 0 )	( 30 )	( 4 )	( 0 )	( 0 )	( 32 )	( 4 )	( 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. : 0462  
 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 Grade	Control 50				100 ppm 50				500 ppm 50				2500 ppm 50			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Respiratory system)																		
nasal cavit	respiratory metaplasia:olfactory epithelium		<50>				<50>				<50>				<50>			
			4	0	0	0	1	0	0	0	1	0	0	0	5	0	0	0
			( 8 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 10 )	( 0 )	( 0 )	( 0 )
	respiratory metaplasia:gland		14	3	0	0	11	2	0	0	10	0	0	0	18	3	0	0
			( 28 )	( 6 )	( 0 )	( 0 )	( 22 )	( 4 )	( 0 )	( 0 )	( 20 )	( 0 )	( 0 )	( 0 )	( 36 )	( 6 )	( 0 )	( 0 )
nasopharynx	eosinophilic change		<50>				<50>				<50>				<50>			
			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 )	( 4 )	( 0 )	( 0 )	( 0 )
lung	deposit of hemosiderin		<50>				<50>				<50>				<50>			
			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 )
	inflammatory infiltration		0	0	0	0	0	1	0	0	6	0	0	0 *	1	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 12 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )
	lymphocytic infiltration		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 )
	pneumonia:NOS		0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 2 )	( 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. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crl: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 Grade	Control				100 ppm				500 ppm				2500 ppm			
			50				50				50				50			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																		
lung	bronchiolar-alveolar cell hyperplasia		<50>				<50>				<50>				<50>			
			0	0	0	0	4	0	0	0	15	0	0	0 **	14	1	0	0 **
			( 0 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 30 )	( 0 )	( 0 )	( 0 )	( 28 )	( 2 )	( 0 )	( 0 )
{Hematopoietic system}																		
bone marrow	erythropoiesis:increased		<50>				<50>				<50>				<50>			
			6	0	0	0	3	0	0	0	20	8	0	0 **	24	14	0	0 **
			( 12 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 40 )	( 16 )	( 0 )	( 0 )	( 48 )	( 28 )	( 0 )	( 0 )
lymph node	hyperplasia:mast cell		<50>				<50>				<50>				<50>			
			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	atrophy		<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 )
	deposit of amyloid		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 )
	deposit of hemosiderin		7	2	0	0	20	0	0	0 **	18	3	0	0 *	34	6	0	0 **
			( 14 )	( 4 )	( 0 )	( 0 )	( 40 )	( 0 )	( 0 )	( 0 )	( 36 )	( 6 )	( 0 )	( 0 )	( 68 )	( 12 )	( 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. : 0462  
 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 Grade	Control 50				100 ppm 50				500 ppm 50				2500 ppm 50			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Hematopoietic system}																		
spleen			<50>				<50>				<50>				<50>			
	deposit of melanin		0	0	0	0	2	1	0	0	2	0	0	0	1	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 4 )	( 2 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )
	fibrosis		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 )
	fibrosis:focal		0	0	0	0	2	1	0	0	0	0	0	0	0	2	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 4 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )
	extramedullary hematopoiesis		12	6	0	0	8	4	2	0	6	22	9	0 **	10	25	4	0 **
			( 24 )	( 12 )	( 0 )	( 0 )	( 16 )	( 8 )	( 4 )	( 0 )	( 12 )	( 44 )	( 18 )	( 0 )	( 20 )	( 50 )	( 8 )	( 0 )
	hyperplasia:vascular		0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 2 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	follicular hyperplasia		2	2	0	0	2	0	0	0	4	1	0	0	0	0	0	0
			( 4 )	( 4 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 8 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )

{Circulatory system}

heart			<50>				<50>				<50>				<50>			
	mineralization		0	0	0	0	0	0	0	0	1	2	0	0	2	2	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 4 )	( 0 )	( 0 )	( 4 )	( 4 )	( 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. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 5

Organ_____	Findings_____	Group Name No. of Animals on Study Grade	Control				100 ppm				500 ppm				2500 ppm			
			50				50				50				50			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
{Circulatory system}																		
heart			<50>				<50>				<50>				<50>			
	myocardial fibrosis		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 )
	arteritis		0	0	0	0	0	0	0	0	3	0	0	0	0	1	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )
{Digestive system}																		
tooth			<50>				<50>				<50>				<50>			
	dysplasia		2	2	0	0	1	3	1	0	0	2	0	0	0	1	0	0
			( 4 )	( 4 )	( 0 )	( 0 )	( 2 )	( 6 )	( 2 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )
	xanthogranuloma		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 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
tongue			<50>				<50>				<50>				<50>			
	arteritis		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 )	( 2 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )
salivary gl			<50>				<50>				<50>				<50>			
	lymphocytic infiltration		8	0	0	0	3	0	0	0	0	0	0	0 **	1	0	0	0 *
			( 16 )	( 0 )	( 0 )	( 0 )	( 6 )	( 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 : Number of animals with lesion  
 ( c ) c : b / a \* 100  
 Significant difference : \* : P ≤ 0.05 \*\* : P ≤ 0.01 Test of Chi Square



STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Crj[Crl:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 6

Organ	Findings	Group Name No. of Animals on Study				Control				100 ppm				500 ppm				2500 ppm			
		Grade				50				50				50				50			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}																					
stomach		<50>				<50>				<50>				<50>				<50>			
	inflammation	0	0	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 )
	hyperkeratosis:forestomach	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
		( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )
	erosion:glandular stomach	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 )
	hyperplasia:glandular stomach	19	25	5	0	14	30	1	0	21	28	1	0	24	20	1	0	24	20	1	0
		( 38 )	( 50 )	( 10 )	( 0 )	( 28 )	( 60 )	( 2 )	( 0 )	( 42 )	( 56 )	( 2 )	( 0 )	( 48 )	( 40 )	( 2 )	( 0 )	( 48 )	( 40 )	( 2 )	( 0 )
liver		<50>				<50>				<50>				<50>				<50>			
	angiectasis	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		( 2 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	fatty change	0	0	0	0	3	2	1	0	1	0	0	0	0	0	0	0	0	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 6 )	( 4 )	( 2 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	fatty change:central	2	0	0	0	2	3	1	0	2	5	1	0	0	1	0	0	0	1	0	0
		( 4 )	( 0 )	( 0 )	( 0 )	( 4 )	( 6 )	( 2 )	( 0 )	( 4 )	( 10 )	( 2 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )
	fatty change:peripheral	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 )	( 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. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 7

		Group Name	Control				100 ppm				500 ppm				2500 ppm			
		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
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
<hr/>																		
{Digestive system}																		
liver																		
	hydropic change:central		<50>				<50>				<50>				<50>			
			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 )
	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 )
	granulation		26	1	0	0	11	0	0	0	4	5	0	0	2	0	0	0
			( 52 )	( 2 )	( 0 )	( 0 )	( 22 )	( 0 )	( 0 )	( 0 )	( 8 )	( 10 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )
	mastcell hyperplasia		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 )
	extramedullary hematopoiesis		0	0	0	0	0	0	0	0	1	0	0	0	3	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )
	clear cell focus		4	1	0	0	6	0	0	0	1	0	0	0	0	0	0	0
			( 8 )	( 2 )	( 0 )	( 0 )	( 12 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	basophilic cell focus		2	0	0	0	4	0	0	0	4	0	0	0	3	0	0	0
			( 4 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )
	vacuolated cell focus		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 )

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. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : MALE

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

PAGE : 8

		Group Name	Control				100 ppm				500 ppm				2500 ppm			
		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
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}																		
liver			<50>				<50>				<50>				<50>			
	mixed cell focus		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 )
	bile ductular proliferation		0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	biliary cyst		1	0	0	0	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 )
	hepatocellular hypertrophy:central		0	0	0	0	29	3	0	0 **	2	39	1	0 **	1	22	19	0 **
			( 0 )	( 0 )	( 0 )	( 0 )	( 58 )	( 6 )	( 0 )	( 0 )	( 4 )	( 78 )	( 2 )	( 0 )	( 2 )	( 44 )	( 38 )	( 0 )
	nuclear enlargement:central		0	0	0	0	0	0	0	0	18	0	0	0 **	6	0	0	0 *
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 36 )	( 0 )	( 0 )	( 0 )	( 12 )	( 0 )	( 0 )	( 0 )
pancreas			<50>				<50>				<50>				<50>			
	lymphocytic infiltration		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 )
{Urinary system}																		
kidney			<50>				<50>				<50>				<50>			
	hyaline droplet		2	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0
			( 4 )	( 2 )	( 0 )	( 0 )	( 0 )	( 2 )	( 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	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. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDFl]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 9

Organ	Findings	Group Name No. of Animals on Study				Control 50				100 ppm 50				500 ppm 50				2500 ppm 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		<50>				<50>				<50>				<50>				<50>			
	basophilic change	3	0	0	0	3	0	0	0	3	0	0	0	3	0	0	0	1	0	0	0
		( 6 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )
	deposit of hemosiderin	0	1	0	0	1	0	2	0	0	9	17	0 **	4	1	27	0 **	4	1	27	0 **
		( 0 )	( 2 )	( 0 )	( 0 )	( 2 )	( 0 )	( 4 )	( 0 )	( 0 )	( 18 )	( 34 )	( 0 )	( 8 )	( 2 )	( 54 )	( 0 )	( 8 )	( 2 )	( 54 )	( 0 )
	lymphocytic infiltration	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	1	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )
	inflammatory polyp	0	1	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0
		( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	biliary cyst	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 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	hydronephrosis	0	0	1	0	0	0	3	1	0	1	1	0	0	1	1	0	0	0	1	0
		( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 6 )	( 2 )	( 0 )	( 2 )	( 2 )	( 0 )	( 0 )	( 2 )	( 2 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )
	retention cyst	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	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 2 )	( 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. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[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				100 ppm 50				500 ppm 50				2500 ppm 50			
		Grade																			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Endocrine system)																					
pituitary		<50>				<50>				<50>				<49>							
	cyst	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)	( 0)	( 0)	( 0)	( 0)
adrenal		<50>				<50>				<50>				<50>				<50>			
	spindle-cell hyperplasia	31	0	0	0	29	2	0	0	34	0	0	0	20	0	0	0	0	0	0	0 *
		( 62)	( 0)	( 0)	( 0)	( 58)	( 4)	( 0)	( 0)	( 68)	( 0)	( 0)	( 0)	( 40)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	hyperplasia:medulla	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)
	focal hypertrophy:cortex	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		( 0)	( 2)	( 0)	( 0)	( 2)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
(Reproductive system)																					
testis		<50>				<50>				<50>				<50>				<50>			
	mineralization	8	1	0	0	10	1	2	0	9	0	0	0	2	1	0	0	0	0	0	0
		( 16)	( 2)	( 0)	( 0)	( 20)	( 2)	( 4)	( 0)	( 18)	( 0)	( 0)	( 0)	( 4)	( 2)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
epididymis		<50>				<49>				<50>				<50>				<50>			
	xanthogranuloma	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)	( 2)	( 4)	( 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. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj: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				100 ppm 50				500 ppm 50				2500 ppm 50			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Reproductive system}																		
semin ves	hemorrhage		<50>				<50>				<50>				<50>			
			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	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 )
	hyperplasia		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 )
prostate	hemorrhage		<50>				<50>				<50>				<50>			
			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 )
prep/cli gl	inflammation		<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 )
{Nervous system}																		
brain	hemorrhage		<50>				<50>				<50>				<50>			
			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. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[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 Grade	Control 50				100 ppm 50				500 ppm 50				2500 ppm 50			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Nervous system}																		
brain	mineralization		27 ( 54)	0 ( 0)	0 ( 0)	0 ( 0)	25 ( 50)	0 ( 0)	0 ( 0)	0 ( 0)	24 ( 48)	0 ( 0)	0 ( 0)	0 ( 0)	29 ( 58)	0 ( 0)	0 ( 0)	0 ( 0)
	gliosis		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)
{Special sense organs/appendage}																		
eye	keratitis		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)
	degeneration:cornea		0 ( 0)	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)
Harder gl	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)	2 ( 4)	0 ( 0)	0 ( 0)	0 ( 0)
{Musculoskeletal system}																		
bone	thickening of bone		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)

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. : 0462  
 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	Control				100 ppm				500 ppm				2500 ppm			
		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
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
<hr/>																		
{Body cavities}																		
retroperit			<50>				<50>				<50>				<50>			
	hemorrhage		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 )
mesenterium			<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 ; \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$  Test of Chi Square

(HPT150)

BAIS4



## APPENDIX L 2

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

STUDY NO. : 0462  
 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 No. of Animals on Study Grade	Control 15				100 ppm 15				500 ppm 33				2500 ppm 42			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Integumentary system/appandage}																		
skin/app			<15>				<15>				<33>				<42>			
	epidermal cyst		0 ( 0 )	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 )
subcutis			<15>				<15>				<33>				<42>			
	inflammation		0 ( 0 )	0 ( 0 )	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 )
{Respiratory system}																		
nasal cavit			<15>				<15>				<33>				<42>			
	eosinophilic change:olfactory epithelium		1 ( 7 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	2 ( 13 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	6 ( 18 )	1 ( 3 )	0 ( 0 )	0 ( 0 )	6 ( 14 )	0 ( 0 )	0 ( 0 )	0 ( 0 )
	eosinophilic change:respiratory epithelium		4 ( 27 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	4 ( 27 )	1 ( 7 )	0 ( 0 )	0 ( 0 )	5 ( 15 )	1 ( 3 )	0 ( 0 )	0 ( 0 )	13 ( 31 )	2 ( 5 )	0 ( 0 )	0 ( 0 )
	respiratory metaplasia:olfactory epithelium		1 ( 7 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	1 ( 7 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	5 ( 12 )	0 ( 0 )	0 ( 0 )	0 ( 0 )
	respiratory metaplasia:gland		7 ( 47 )	1 ( 7 )	0 ( 0 )	0 ( 0 )	2 ( 13 )	1 ( 7 )	0 ( 0 )	0 ( 0 )	5 ( 15 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	12 ( 29 )	3 ( 7 )	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. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDFl]  
REPORT TYPE : A1  
SEX : MALE

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

PAGE : 2

Organ_____	Findings_____	Group Name	Control				100 ppm				500 ppm				2500 ppm						
		No. of Animals on Study	15				15				33				42						
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)			
{Respiratory system}																					
nasopharynx		<15>					<15>					<33>					<42>				
	eosinophilic change	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 )	( 2 )	( 0 )	( 0 )	( 0 )		
lung		<15>					<15>					<33>					<42>				
	inflammatory infiltration	0	0	0	0	0	1	0	0	6	0	0	0	1	0	0	0	0	0	0	
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 7 )	( 0 )	( 0 )	( 18 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )		
	bronchiolar-alveolar cell hyperplasia	0	0	0	0	1	0	0	0	8	0	0	0	12	0	0	0	0 *	0 *		
		( 0 )	( 0 )	( 0 )	( 0 )	( 7 )	( 0 )	( 0 )	( 0 )	( 24 )	( 0 )	( 0 )	( 0 )	( 29 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )		
{Hematopoietic system}																					
bone marrow		<15>					<15>					<33>					<42>				
	erythropoiesis:increased	4	0	0	0	3	0	0	0	18	7	0	0 **	20	13	0	0	0 **	0 **		
		( 27 )	( 0 )	( 0 )	( 0 )	( 20 )	( 0 )	( 0 )	( 0 )	( 55 )	( 21 )	( 0 )	( 0 )	( 48 )	( 31 )	( 0 )	( 0 )	( 0 )	( 0 )		
lymph node		<15>					<15>					<33>					<42>				
	hyperplasia:mast cell	1	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 )		
spleen		<15>					<15>					<33>					<42>				
	atrophy	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0		
		( 7 )	( 0 )	( 0 )	( 0 )	( 7 )	( 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. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 3

		Group Name	Control				100 ppm				500 ppm				2500 ppm			
		No. of Animals on Study	15				15				33				42			
Organ_____	Findings_____	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Hematopoietic system)																		
spleen			<15>				<15>				<33>				<42>			
	deposit of hemosiderin		2	1	0	0	8	0	0	0	14	1	0	0	29	4	0	0 **
			( 13)	( 7)	( 0)	( 0)	( 53)	( 0)	( 0)	( 0)	( 42)	( 3)	( 0)	( 0)	( 69)	( 10)	( 0)	( 0)
	deposit of melanin		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)
	fibrosis:focal		0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0
			( 0)	( 0)	( 0)	( 0)	( 7)	( 7)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 2)	( 0)	( 0)
	extramedullary hematopoiesis		4	5	0	0	0	3	2	0	3	19	8	0 **	6	24	4	0
			( 27)	( 33)	( 0)	( 0)	( 0)	( 20)	( 13)	( 0)	( 9)	( 58)	( 24)	( 0)	( 14)	( 57)	( 10)	( 0)
	hyperplasia:vascular		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)	( 0)	( 0)
(Circulatory system)																		
heart			<15>				<15>				<33>				<42>			
	mineralization		0	0	0	0	0	0	0	0	0	2	0	0	2	2	0	0
			( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 6)	( 0)	( 0)	( 5)	( 5)	( 0)	( 0)
	myocardial fibrosis		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 : Number of animals with lesion  
 ( c ) c : b / a \* 100  
 Significant difference ; \* : P ≤ 0.05 \*\* : P ≤ 0.01 Test of Chi Square

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 4

		Group Name	Control				100 ppm				500 ppm				2500 ppm			
		No. of Animals on Study	15				15				33				42			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Organ	Findings		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Circulatory system}																		
heart			<15>				<15>				<33>				<42>			
	arteritis		0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )
{Digestive system}																		
tooth			<15>				<15>				<33>				<42>			
	dysplasia		1	1	0	0	1	0	0	0	0	1	0	0	0	1	0	0
			( 7 )	( 7 )	( 0 )	( 0 )	( 7 )	( 0 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )
	xanthogranuloma		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 )	( 0 )
tongue			<15>				<15>				<33>				<42>			
	arteritis		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 )	( 3 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )
stomach			<15>				<15>				<33>				<42>			
	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 )
	hyperkeratosis:forestomach		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 )	( 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. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 5

Organ	Findings	Control				100 ppm				500 ppm				2500 ppm			
		No. of Animals on Study				15				33				42			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Digestive system)																	
stomach		<15>				<15>				<33>				<42>			
	hyperplasia:glandular stomach	7 ( 47 )	6 ( 40 )	1 ( 7 )	0 ( 0 )	6 ( 40 )	4 ( 27 )	1 ( 7 )	0 ( 0 )	18 ( 55 )	15 ( 45 )	0 ( 0 )	0 ( 0 )	22 ( 52 )	15 ( 36 )	0 ( 0 )	0 ( 0 )
liver		<15>				<15>				<33>				<42>			
	angiectasis	0 ( 0 )	1 ( 7 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )
	fatty change	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	1 ( 7 )	1 ( 7 )	0 ( 0 )	1 ( 3 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )
	fatty change:central	1 ( 7 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	2 ( 13 )	1 ( 7 )	0 ( 0 )	2 ( 6 )	5 ( 15 )	1 ( 3 )	0 ( 0 )	0 ( 0 )	1 ( 2 )	0 ( 0 )	0 ( 0 )
	fatty change:peripheral	0 ( 0 )	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 )
	hydropic change:central	0 ( 0 )	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 )
	inflammatory infiltration	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 )
	granulation	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	1 ( 7 )	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. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDFl]  
REPORT TYPE : A1  
SEX : MALE

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

PAGE : 6

		Group Name	Control				100 ppm				500 ppm				2500 ppm			
		No. of Animals on Study	15				15				33				42			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}																		
liver			<15>				<15>				<33>				<42>			
	extramedullary hematopoiesis		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 )	( 7 )	( 0 )	( 0 )	( 0 )
	clear 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 )
	basophilic cell focus		0	0	0	0	0	0	0	0	3	0	0	0	3	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 9 )	( 0 )	( 0 )	( 0 )	( 7 )	( 0 )	( 0 )	( 0 )	
	vacuolated 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 )
	hepatocellular hypertrophy:central		0	0	0	0	4	1	0	0 *	2	23	1	0 **	1	17	18	0 **
			( 0 )	( 0 )	( 0 )	( 0 )	( 27 )	( 7 )	( 0 )	( 0 )	( 6 )	( 70 )	( 3 )	( 0 )	( 2 )	( 40 )	( 43 )	( 0 )
	nuclear enlargement:central		0	0	0	0	0	0	0	0	8	0	0	0	4	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 24 )	( 0 )	( 0 )	( 0 )	( 10 )	( 0 )	( 0 )	( 0 )
{Urinary system}																		
kidney			<15>				<15>				<33>				<42>			
	hyaline droplet		2	1	0	0	0	1	1	0	0	0	0	0 *	0	0	0	0 *
			( 13 )	( 7 )	( 0 )	( 0 )	( 0 )	( 7 )	( 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																		

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : MALE

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

PAGE : 7

Organ	Findings	Group Name No. of Animals on Study Grade	Control 15				100 ppm 15				500 ppm 33				2500 ppm 42			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Urinary system}																		
kidney	deposit of hemosiderin		<15>				<15>				<33>				<42>			
			0	0	0	0	1	0	2	0	0	9	14	0 **	2	1	24	0 **
			( 0 )	( 0 )	( 0 )	( 0 )	( 7 )	( 0 )	( 13 )	( 0 )	( 0 )	( 27 )	( 42 )	( 0 )	( 5 )	( 2 )	( 57 )	( 0 )
	lymphocytic 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 )
	inflammatory polyp		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 )	( 0 )
	hydronephrosis		0	0	0	0	0	0	1	1	0	1	1	0	0	0	1	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 7 )	( 7 )	( 0 )	( 3 )	( 3 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )
	dilatation:tubular lumen		0	0	0	0	0	2	0	0	1	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 13 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
{Endocrine system}																		
adrenal	spindle-cell hyperplasia		<15>				<15>				<33>				<42>			
			6	0	0	0	6	0	0	0	20	0	0	0	15	0	0	0
			( 40 )	( 0 )	( 0 )	( 0 )	( 40 )	( 0 )	( 0 )	( 0 )	( 61 )	( 0 )	( 0 )	( 0 )	( 36 )	( 0 )	( 0 )	( 0 )
{Reproductive system}																		
testis	mineralization		<15>				<15>				<33>				<42>			
			2	0	0	0	1	0	0	0	3	0	0	0	1	1	0	0
			( 13 )	( 0 )	( 0 )	( 0 )	( 7 )	( 0 )	( 0 )	( 0 )	( 9 )	( 0 )	( 0 )	( 0 )	( 2 )	( 2 )	( 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. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
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				100 ppm 15				500 ppm 33				2500 ppm 42				
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
{Reproductive system}																			
epididymis	xanthogranuloma		<15>				<15>				<33>				<42>				
		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 )	( 2 )	( 5 )	( 0 )		
semin ves	hemorrhage		<15>				<15>				<33>				<42>				
		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 )		
prostate	hemorrhage		<15>				<15>				<33>				<42>				
		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 )		
{Nervous system}																			
brain	hemorrhage		<15>				<15>				<33>				<42>				
		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 )		
	mineralization		<15>				<15>				<33>				<42>				
		7	0	0	0	0	9	0	0	0	0	15	0	0	0	0	23	0	0
		( 47 )	( 0 )	( 0 )	( 0 )	( 0 )	( 60 )	( 0 )	( 0 )	( 0 )	( 0 )	( 45 )	( 0 )	( 0 )	( 0 )	( 0 )	( 55 )	( 0 )	( 0 )
	gliosis		<15>				<15>				<33>				<42>				
		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 )	( 2 )	( 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. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 9

		Group Name	Control				100 ppm				500 ppm				2500 ppm			
		No. of Animals on Study	15				15				33				42			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Special sense organs/appendage}																		
eye			<15>				<15>				<33>				<42>			
	degeneration:cornea		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 )
{Musculoskeletal system}																		
bone			<15>				<15>				<33>				<42>			
	thickening of bone		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 )
{Body cavities}																		
retroperit			<15>				<15>				<33>				<42>			
	hemorrhage		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 )
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																		

## APPENDIX L 3

HISTOPATHOLOGICAL FINDINGS :  
NON-NEOPLASTIC LESIONS : MALE  
SACRIFICED ANIMALS

STUDY NO. : 0462  
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 No. of Animals on Study Grade	Control 35				100 ppm 35				500 ppm 17				2500 ppm 8			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Integumentary system/appandage}																		
skin/app			<35>				<35>				<17>				< 8>			
	inflammation		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 )
	scab		3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 9 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
{Respiratory system}																		
nasal cavit			<35>				<35>				<17>				< 8>			
	eosinophilic change:olfactory epithelium		13	0	0	0	9	0	0	0	6	0	0	0	4	0	0	0
			( 37 )	( 0 )	( 0 )	( 0 )	( 26 )	( 0 )	( 0 )	( 0 )	( 35 )	( 0 )	( 0 )	( 0 )	( 50 )	( 0 )	( 0 )	( 0 )
	eosinophilic change:respiratory epithelium		11	0	0	0	14	2	0	0	10	1	0	0 *	3	0	0	0
			( 31 )	( 0 )	( 0 )	( 0 )	( 40 )	( 6 )	( 0 )	( 0 )	( 59 )	( 6 )	( 0 )	( 0 )	( 38 )	( 0 )	( 0 )	( 0 )
	respiratory metaplasia:olfactory epithelium		3	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			( 9 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	respiratory metaplasia:gland		7	2	0	0	9	1	0	0	5	0	0	0	6	0	0	0 **
			( 20 )	( 6 )	( 0 )	( 0 )	( 26 )	( 3 )	( 0 )	( 0 )	( 29 )	( 0 )	( 0 )	( 0 )	( 75 )	( 0 )	( 0 )	( 0 )
nasopharynx			<35>				<35>				<17>				< 8>			
	eosinophilic 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 )	( 13 )	( 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. : 0462  
 ANIMAL : MOUSE B6D2F1/Crlj[Crlj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 2

Organ	Findings	Group Name	Control				100 ppm				500 ppm				2500 ppm			
		No. of Animals on Study	35				35				17				8			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																		
lung			<35>				<35>				<17>				< 8>			
	deposit of hemosiderin		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)
	lymphocytic infiltration		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)
	pneumonia:NOS		0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0
			( 0)	( 0)	( 3)	( 0)	( 0)	( 3)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	bronchiolar-alveolar cell hyperplasia		0	0	0	0	3	0	0	0	7	0	0	0 **	2	1	0	0 **
			( 0)	( 0)	( 0)	( 0)	( 9)	( 0)	( 0)	( 0)	( 41)	( 0)	( 0)	( 0)	( 25)	( 13)	( 0)	( 0)
{Hematopoietic system}																		
bone marrow			<35>				<35>				<17>				< 8>			
	erythropoiesis:increased		2	0	0	0	0	0	0	0	2	1	0	0	4	1	0	0 **
			( 6)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 12)	( 6)	( 0)	( 0)	( 50)	( 13)	( 0)	( 0)
spleen			<35>				<35>				<17>				< 8>			
	deposit of amyloid		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)
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. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDFl]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 3

		Group Name	Control				100 ppm				500 ppm				2500 ppm			
		No. of Animals on Study	35				35				17				8			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Organ	Findings		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Hematopoietic system)																		
spleen			<35>				<35>				<17>				< 8>			
	deposit of hemosiderin		5 ( 14)	1 ( 3)	0 ( 0)	0 ( 0)	12 ( 34)	0 ( 0)	0 ( 0)	0 ( 0)	4 ( 24)	2 ( 12)	0 ( 0)	0 ( 0)	5 ( 63)	2 ( 25)	0 ( 0)	0 ( 0) **
	deposit of melanin		0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	2 ( 6)	0 ( 0)	0 ( 0)	0 ( 0)	2 ( 12)	0 ( 0)	0 ( 0)	0 ( 0)	1 ( 13)	0 ( 0)	0 ( 0)	0 ( 0)
	fibrosis		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)	0 ( 0)	0 ( 0)	0 ( 0)
	fibrosis:focal		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)	1 ( 13)	0 ( 0)	0 ( 0)
	extramedullary hematopoiesis		8 ( 23)	1 ( 3)	0 ( 0)	0 ( 0)	8 ( 23)	1 ( 3)	0 ( 0)	0 ( 0)	3 ( 18)	3 ( 18)	1 ( 6)	0 ( 0)	4 ( 50)	1 ( 13)	0 ( 0)	0 ( 0)
	hyperplasia:vascular		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)
	follicular hyperplasia		2 ( 6)	2 ( 6)	0 ( 0)	0 ( 0)	2 ( 6)	0 ( 0)	0 ( 0)	0 ( 0)	4 ( 24)	1 ( 6)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)
(Circulatory system)																		
heart			<35>				<35>				<17>				< 8>			
	mineralization		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)
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. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDFl]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 4

Organ_____	Findings_____	Group Name	Control				100 ppm				500 ppm				2500 ppm			
		No. of Animals on Study	35				35				17				8			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Circulatory system}																		
heart			<35>				<35>				<17>				< 8>			
	arteritis		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 )
{Digestive system}																		
tooth			<35>				<35>				<17>				< 8>			
	dysplasia		1	1	0	0	0	3	1	0	0	1	0	0	0	0	0	0
			( 3 )	( 3 )	( 0 )	( 0 )	( 0 )	( 9 )	( 3 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
salivary gl			<35>				<35>				<17>				< 8>			
	lymphocytic infiltration		8	0	0	0	3	0	0	0	0	0	0	0	1	0	0	0
			( 23 )	( 0 )	( 0 )	( 0 )	( 9 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 13 )	( 0 )	( 0 )	( 0 )
stomach			<35>				<35>				<17>				< 8>			
	hyperkeratosis:forestomach		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 )
	erosion:glandular stomach		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 )
	hyperplasia:glandular stomach		12	19	4	0	8	26	0	0	3	13	1	0	2	5	1	0
			( 34 )	( 54 )	( 11 )	( 0 )	( 23 )	( 74 )	( 0 )	( 0 )	( 18 )	( 76 )	( 6 )	( 0 )	( 25 )	( 63 )	( 13 )	( 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. : 0462  
ANIMAL : MOUSE B6D2F1/Crlj[Crlj:BDF1]  
REPORT TYPE : A1  
SEX : MALE

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

PAGE : 5

Organ	Findings	Control				100 ppm				500 ppm				2500 ppm			
		No. of Animals on Study				35				17				8			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Digestive system)																	
liver		<35>				<35>				<17>				<8>			
	angiectasis	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)
	fatty change	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0
		( 0)	( 0)	( 0)	( 0)	( 9)	( 3)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	fatty change:central	1	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0
		( 3)	( 0)	( 0)	( 0)	( 6)	( 3)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	granulation	26	1	0	0	10	0	0	0 **	4	5	0	0 **	2	0	0	0 *
		( 74)	( 3)	( 0)	( 0)	( 29)	( 0)	( 0)	( 0)	( 24)	( 29)	( 0)	( 0)	( 25)	( 0)	( 0)	( 0)
	mastocell hyperplasia	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)
	extramedullary hematopoiesis	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)
	clear cell focus	4	1	0	0	5	0	0	0	1	0	0	0	0	0	0	0
		( 11)	( 3)	( 0)	( 0)	( 14)	( 0)	( 0)	( 0)	( 6)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	basophilic cell focus	2	0	0	0	4	0	0	0	1	0	0	0	0	0	0	0
		( 6)	( 0)	( 0)	( 0)	( 11)	( 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 ; \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$  Test of Chi Square



STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : MALE

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

PAGE : 6

Organ	Findings	Control No. of Animals on Study Grade				100 ppm 35				500 ppm 17				2500 ppm 8			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Digestive system)																	
liver		<35>				<35>				<17>				< 8>			
	vacuolated cell focus	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 )
	mixed cell focus	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 )
	bile ductular proliferation	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 12 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	biliary cyst	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
		( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	hepatocellular hypertrophy:central	0	0	0	0	25	2	0	0 **	0	16	0	0 **	0	5	1	0 **
		( 0 )	( 0 )	( 0 )	( 0 )	( 71 )	( 6 )	( 0 )	( 0 )	( 0 )	( 94 )	( 0 )	( 0 )	( 0 )	( 63 )	( 13 )	( 0 )
	nuclear enlargement:central	0	0	0	0	0	0	0	0	10	0	0	0 **	2	0	0	0 *
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 59 )	( 0 )	( 0 )	( 0 )	( 25 )	( 0 )	( 0 )	( 0 )
pancreas		<35>				<35>				<17>				< 8>			
	lymphocytic infiltration	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 )
(Urinary system)																	
kidney		<35>				<35>				<17>				< 8>			
	basophilic change	3	0	0	0	3	0	0	0	3	0	0	0	1	0	0	0
		( 9 )	( 0 )	( 0 )	( 0 )	( 9 )	( 0 )	( 0 )	( 0 )	( 18 )	( 0 )	( 0 )	( 0 )	( 13 )	( 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. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : MALE

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

PAGE : 7

		Group Name	Control				100 ppm				500 ppm				2500 ppm			
		No. of Animals on Study	35				35				17				8			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Urinary system)																		
kidney			<35>				<35>				<17>				< 8>			
	deposit of hemosiderin		0	1	0	0	0	0	0	0	0	0	3	0 *	2	0	3	0 **
			( 0 )	( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 18 )	( 0 )	( 25 )	( 0 )	( 38 )	( 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 )	( 6 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	inflammatory polyp		0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
			( 0 )	( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	biliary cyst		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 )
	hydronephrosis		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 )	( 0 )	( 0 )
	retention cyst		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 )
	(Endocrine system)																	
pituitary			<35>				<35>				<17>				< 8>			
	cyst		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 )	( 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. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDFl]  
REPORT TYPE : A1  
SEX : MALE

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

PAGE : 8

		Group Name	Control				100 ppm				500 ppm				2500 ppm			
		No. of Animals on Study	35				35				17				8			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Organ_____	Findings_____		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
<hr/>																		
{Endocrine system}																		
adrenal			<35>				<35>				<17>				< 8>			
	spindle-cell hyperplasia		25	0	0	0	23	2	0	0	14	0	0	0	5	0	0	0
			( 71)	( 0)	( 0)	( 0)	( 66)	( 6)	( 0)	( 0)	( 82)	( 0)	( 0)	( 0)	( 63)	( 0)	( 0)	( 0)
	hyperplasia:medulla		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)
	focal hypertrophy:cortex		0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			( 0)	( 3)	( 0)	( 0)	( 3)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
<hr/>																		
{Reproductive system}																		
testis			<35>				<35>				<17>				< 8>			
	mineralization		6	1	0	0	9	1	2	0	6	0	0	0	1	0	0	0
			( 17)	( 3)	( 0)	( 0)	( 26)	( 3)	( 6)	( 0)	( 35)	( 0)	( 0)	( 0)	( 13)	( 0)	( 0)	( 0)
semin ves			<35>				<35>				<17>				< 8>			
	inflammation		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)
	hyperplasia		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. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 9

		Group Name	Control				100 ppm				500 ppm				2500 ppm			
		No. of Animals on Study	35				35				17				8			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Reproductive system}																		
prep/cli gl			<35>				<35>				<17>				< 8>			
	inflammation		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 )
{Nervous system}																		
brain			<35>				<35>				<17>				< 8>			
	mineralization		20	0	0	0	16	0	0	0	9	0	0	0	6	0	0	0
			( 57 )	( 0 )	( 0 )	( 0 )	( 46 )	( 0 )	( 0 )	( 0 )	( 53 )	( 0 )	( 0 )	( 0 )	( 75 )	( 0 )	( 0 )	( 0 )
{Special sense organs/appendage}																		
eye			<35>				<35>				<17>				< 8>			
	keratitis		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 )
	degeneration:cornea		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 )
Harder gl			<35>				<35>				<17>				< 8>			
	lymphocytic infiltration		1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
			( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 25 )	( 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. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 10

Organ	Findings	Group Name	Control				100 ppm				500 ppm				2500 ppm			
		No. of Animals on Study	35				35				17				8			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)

{Body cavities}

mesenterium		<35>				<35>				<17>				< 8>			
	hemorrhage	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 : \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$  Test of Chi Square

(HPT150)

BAIS4

## APPENDIX L 4

HISTOPATHOLOGICAL FINDINGS :  
NON-NEOPLASTIC LESIONS : FEMALE  
ALL ANIMALS

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Crlj[Crlj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 14

Organ_____	Findings_____	Group Name No. of Animals on Study Grade	Control 50				100 ppm 50				500 ppm 50				2500 ppm 50			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
<hr/>																		
{Integumentary system/appandage}																		
skin/app			<50>				<50>				<50>				<50>			
	scab		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		( 4)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 2)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
<hr/>																		
{Respiratory system}																		
nasal cavit			<50>				<50>				<50>				<50>			
	eosinophilic change:olfactory epithelium		8	1	0	0	7	0	0	0	9	2	0	0	24	3	0	0 **
		( 16)	( 2)	( 0)	( 0)	( 14)	( 0)	( 0)	( 0)	( 18)	( 4)	( 0)	( 0)	( 48)	( 6)	( 0)	( 0)	
	eosinophilic change:respiratory epithelium		19	10	0	0	22	9	0	0	23	17	0	0 *	21	15	1	0
		( 38)	( 20)	( 0)	( 0)	( 44)	( 18)	( 0)	( 0)	( 46)	( 34)	( 0)	( 0)	( 42)	( 30)	( 2)	( 0)	
	inflammation:respiratory 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)	
	respiratory metaplasia:olfactory epithelium		3	0	0	0	2	0	0	0	8	0	0	0	20	0	0	0 **
		( 6)	( 0)	( 0)	( 0)	( 4)	( 0)	( 0)	( 0)	( 16)	( 0)	( 0)	( 0)	( 40)	( 0)	( 0)	( 0)	
	respiratory metaplasia:gland		17	0	0	0	12	1	0	0	19	2	0	0	28	9	0	0 **
		( 34)	( 0)	( 0)	( 0)	( 24)	( 2)	( 0)	( 0)	( 38)	( 4)	( 0)	( 0)	( 56)	( 18)	( 0)	( 0)	
nasopharynx			<50>				<50>				<50>				<50>			
	eosinophilic change		0	0	0	0	0	0	0	0	1	1	0	0	2	0	0	0
		( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 2)	( 2)	( 0)	( 0)	( 4)	( 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. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDFl]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 15

Organ_____	Findings_____	Group Name	Control				100 ppm				500 ppm				2500 ppm			
		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
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																		
lung		<50>	<50>				<50>				<50>				<50>			
	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 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	lymphocytic infiltration	0	0	0	0	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 )
	bronchiolar-alveolar cell hyperplasia	8	0	0	0	11	0	0	0	21	0	0	0	0 **	17	0	0	0
		( 16 )	( 0 )	( 0 )	( 0 )	( 22 )	( 0 )	( 0 )	( 0 )	( 42 )	( 0 )	( 0 )	( 0 )		( 34 )	( 0 )	( 0 )	( 0 )
{Hematopoietic system}																		
bone marrow		<50>	<50>				<50>				<50>				<50>			
	decreased hematopoiesis	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 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )
	erythropoiesis:increased	3	0	0	0	4	0	0	0	15	1	0	0	0 **	29	9	0	0 **
		( 6 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 30 )	( 2 )	( 0 )	( 0 )		( 58 )	( 18 )	( 0 )	( 0 )
spleen		<50>	<50>				<50>				<50>				<50>			
	deposit of hemosiderin	12	5	0	0	19	4	0	0	23	4	0	0	41	4	0	0	**
		( 24 )	( 10 )	( 0 )	( 0 )	( 38 )	( 8 )	( 0 )	( 0 )	( 46 )	( 8 )	( 0 )	( 0 )	( 82 )	( 8 )	( 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. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 16

		Group Name	Control				100 ppm				500 ppm				2500 ppm			
		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/>																		
{Hematopoietic system}																		
spleen			<50>				<50>				<50>				<50>			
	deposit of melanin		0	0	0	0	3	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 )
	fibrosis:focal		0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	extramedullary hematopoiesis		10	3	10	0	7	3	3	0	13	13	8	0 *	9	26	8	0 **
			( 20 )	( 6 )	( 20 )	( 0 )	( 14 )	( 6 )	( 6 )	( 0 )	( 26 )	( 26 )	( 16 )	( 0 )	( 18 )	( 52 )	( 16 )	( 0 )
	follicular hyperplasia		3	2	0	0	4	0	0	0	3	0	0	0	0	0	0	0
			( 6 )	( 4 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
{Circulatory system}																		
heart			<50>				<50>				<50>				<50>			
	mineralization		2	0	0	0	1	0	0	0	5	1	0	0	1	0	1	0
			( 4 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 10 )	( 2 )	( 0 )	( 0 )	( 2 )	( 0 )	( 2 )	( 0 )
	arteritis		0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
			( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )
{Digestive system}																		
tooth			<50>				<50>				<50>				<50>			
	dysplasia		0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
			( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 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. : 0462  
 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				100 ppm				500 ppm				2500 ppm			
			50				50				50				50			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Digestive system)																		
tooth	xanthogranuloma		<50>				<50>				<50>				<50>			
		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 )	( 0 )
tongue	arteritis		<50>				<50>				<50>				<50>			
		0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
			( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )
salivary gl	lymphocytic infiltration		<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 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )
stomach	hyperplasia:glandular stomach		<50>				<50>				<50>				<50>			
		11	26	9	0	17	25	7	0	16	24	4	0	20	20	0	0	
			( 22 )	( 52 )	( 18 )	( 0 )	( 34 )	( 50 )	( 14 )	( 0 )	( 32 )	( 48 )	( 8 )	( 0 )	( 40 )	( 40 )	( 0 )	0 **
liver	angiectasis		<50>				<50>				<50>				<50>			
		1	3	1	0	2	5	1	0	1	3	0	0	0	0	0	0	
				( 2 )	( 6 )	( 2 )	( 0 )	( 4 )	( 10 )	( 2 )	( 0 )	( 2 )	( 6 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	deposit of amyloid		<50>				<50>				<50>				<50>			
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 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	inflammatory infiltration		<50>				<50>				<50>				<50>			
		0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 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. : 0462  
 ANIMAL : MOUSE B6D2F1/Crj[BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 18

		Group Name	Control				100 ppm				500 ppm				2500 ppm			
		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		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Digestive system)																		
liver			<50>				<50>				<50>				<50>			
	lymphocytic infiltration		1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
			( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	granulation		10	14	0	0	11	16	0	0	7	5	0	0 *	0	0	0	0 **
			( 20 )	( 28 )	( 0 )	( 0 )	( 22 )	( 32 )	( 0 )	( 0 )	( 14 )	( 10 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	extramedullary hematopoiesis		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 )
clear cell focus		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 )	
basophilic cell focus		3	2	0	0	2	0	0	0	3	0	0	0	2	0	0	0	
		( 6 )	( 4 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	
biliary cyst		2	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	
		( 4 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	
hepatocellular hypertrophy:central		0	0	0	0	0	0	0	0	15	14	0	0 **	1	32	4	0 **	
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 30 )	( 28 )	( 0 )	( 0 )	( 2 )	( 64 )	( 8 )	( 0 )	
pancreas			<50>				<50>				<50>				<50>			
	atrophy		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 )	

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. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 19

		Group Name	Control				100 ppm				500 ppm				2500 ppm			
		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
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
<hr/>																		
(Digestive system)																		
pancreas			<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 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	hyperplasia:gland		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 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
 (Urinary system)																		
kidney			<50>				<50>				<50>				<50>			
	hyaline droplet		1	2	11	0	0	0	5	0	0	2	5	1	0	0	4	0
			( 2 )	( 4 )	( 22 )	( 0 )	( 0 )	( 0 )	( 10 )	( 0 )	( 0 )	( 4 )	( 10 )	( 2 )	( 0 )	( 0 )	( 8 )	( 0 )
	basophilic change		2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 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 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	deposit of hemosiderin		0	0	0	0	0	0	0	0	1	0	3	0	2	3	12	0 **
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 6 )	( 0 )	( 4 )	( 6 )	( 24 )	( 0 )	
inflammatory polyp		0	0	0	0	1	1	0	0	1	1	0	0	0	1	0	0	
		( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 2 )	( 0 )	( 0 )	( 2 )	( 2 )	( 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 ; \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$  Test of Chi Square

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 20

Organ	Findings	Group Name No. of Animals on Study Grade	Control 50				100 ppm 50				500 ppm 50				2500 ppm 50			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Urinary system)																		
kidney	hydronephrosis		<50>				<50>				<50>				<50>			
		0	2	0	0	0	1	0	0	0	1	1	0	0	0	1	0	
		( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 2 )	( 2 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	
urin bladd	inflammatory infiltration		<50>				<50>				<50>				<50>			
		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 )	
	lymphocytic infiltration		2	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 )	
	arteritis		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 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
(Endocrine system)																		
pituitary	congestion		<49>				<50>				<50>				<50>			
		0	0	0	0	1	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 )	
	cyst		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	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. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 21

		Group Name No. of Animals on Study				Control 50				100 ppm 50				500 ppm 50				2500 ppm 50			
Organ_____	Findings_____	Grade																			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
<hr/>																					
{Endocrine system}																					
pituitary		<49>				<50>				<50>				<50>							
	hyperplasia	2 ( 4 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	3 ( 6 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	4 ( 8 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )
	focal hypertrophy	3 ( 6 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	3 ( 6 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	5 ( 10 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	1 ( 2 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )
adrenal		<50>				<50>				<50>				<50>							
	spindle-cell hyperplasia	7 ( 14 )	39 ( 78 )	4 ( 8 )	0 ( 0 )	9 ( 18 )	37 ( 74 )	3 ( 6 )	0 ( 0 )	8 ( 16 )	38 ( 76 )	1 ( 2 )	0 ( 0 )	37 ( 74 )	10 ( 20 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )
	focal hypertrophy:cortex	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 )
<hr/>																					
{Reproductive system}																					
ovary		<50>				<50>				<50>				<50>							
	cyst	8 ( 16 )	2 ( 4 )	0 ( 0 )	0 ( 0 )	9 ( 18 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	4 ( 8 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	1 ( 2 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )
	xanthogranuloma	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 )	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. : 0462  
 ANIMAL : MOUSE B6D2F1/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 Grade	Control				100 ppm				500 ppm				2500 ppm			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Reproductive system}																		
uterus	cystic endometrial hyperplasia		<50>				<50>				<50>				<50>			
			18	12	0	0	23	14	1	0	20	7	2	0	4	1	0	0 **
			( 36)	( 24)	( 0)	( 0)	( 46)	( 28)	( 2)	( 0)	( 40)	( 14)	( 4)	( 0)	( 8)	( 2)	( 0)	( 0)
{Nervous system}																		
brain	mineralization		<50>				<50>				<50>				<50>			
			21	0	0	0	19	0	0	0	22	0	0	0	23	0	0	0
			( 42)	( 0)	( 0)	( 0)	( 38)	( 0)	( 0)	( 0)	( 44)	( 0)	( 0)	( 0)	( 46)	( 0)	( 0)	( 0)
{Special sense organs/appendage}																		
eye	degeneration:cornea		<50>				<50>				<50>				<50>			
			4	0	0	0	2	0	0	0	5	0	0	0	4	0	0	0
			( 8)	( 0)	( 0)	( 0)	( 4)	( 0)	( 0)	( 0)	( 10)	( 0)	( 0)	( 0)	( 8)	( 0)	( 0)	( 0)
Harder gl	hyperplasia		<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)
{Musculoskeletal system}																		
muscle	mineralization		<50>				<50>				<50>				<50>			
			0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0
			( 0)	( 0)	( 0)	( 0)	( 4)	( 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. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 23

		Group Name	Control				100 ppm				500 ppm				2500 ppm			
		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}																		
peritoneum	granulation		<50>				<50>				<50>				<50>			
			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 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 L 5

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

STUDY NO. : 0462  
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

Organ	Findings	Group Name No. of Animals on Study Grade	Control 21				100 ppm 16				500 ppm 24				2500 ppm 45			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Integumentary system/appandage}																		
skin/app			<21>				<16>				<24>				<45>			
	scab		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		( 10 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
{Respiratory system}																		
nasal cavit			<21>				<16>				<24>				<45>			
	eosinophilic change:olfactory epithelium		2	0	0	0	2	0	0	0	2	1	0	0	21	2	0	0
		( 10 )	( 0 )	( 0 )	( 0 )	( 13 )	( 0 )	( 0 )	( 0 )	( 8 )	( 4 )	( 0 )	( 0 )	( 47 )	( 4 )	( 0 )	( 0 )	( 0 )
	eosinophilic change:respiratory epithelium		7	2	0	0	10	1	0	0	9	7	0	0	19	14	1	0 *
		( 33 )	( 10 )	( 0 )	( 0 )	( 63 )	( 6 )	( 0 )	( 0 )	( 38 )	( 29 )	( 0 )	( 0 )	( 42 )	( 31 )	( 2 )	( 0 )	( 0 )
	inflammation:respiratory 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 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )
	respiratory metaplasia:olfactory epithelium		0	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0 **
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 38 )	( 0 )	( 0 )	( 0 )	( 0 )
	respiratory metaplasia:gland		7	0	0	0	5	0	0	0	9	1	0	0	25	7	0	0 **
		( 33 )	( 0 )	( 0 )	( 0 )	( 31 )	( 0 )	( 0 )	( 0 )	( 38 )	( 4 )	( 0 )	( 0 )	( 56 )	( 16 )	( 0 )	( 0 )	( 0 )
nasopharynx			<21>				<16>				<24>				<45>			
	eosinophilic change		0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 4 )	( 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. : 0462  
 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	Control				100 ppm				500 ppm				2500 ppm			
		No. of Animals on Study				16				24				45			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Respiratory system)																	
lung		<21>				<16>				<24>				<45>			
	inflammatory 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 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	bronchiolar-alveolar cell hyperplasia	2	0	0	0	1	0	0	0	6	0	0	0	16	0	0	0
		( 10 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 25 )	( 0 )	( 0 )	( 0 )	( 36 )	( 0 )	( 0 )	( 0 )
(Hematopoietic system)																	
bone marrow		<21>				<16>				<24>				<45>			
	decreased hematopoiesis	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 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )
	erythropoiesis:increased	3	0	0	0	3	0	0	0	10	1	0	0	26	8	0	0 **
		( 14 )	( 0 )	( 0 )	( 0 )	( 19 )	( 0 )	( 0 )	( 0 )	( 42 )	( 4 )	( 0 )	( 0 )	( 58 )	( 18 )	( 0 )	( 0 )
spleen		<21>				<16>				<24>				<45>			
	deposit of hemosiderin	1	1	0	0	2	2	0	0	9	1	0	0 *	38	3	0	0 **
		( 5 )	( 5 )	( 0 )	( 0 )	( 13 )	( 13 )	( 0 )	( 0 )	( 38 )	( 4 )	( 0 )	( 0 )	( 84 )	( 7 )	( 0 )	( 0 )
	fibrosis:focal	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
		( 0 )	( 0 )	( 5 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )

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

STUDY NO. : 0462  
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	Control				100 ppm				500 ppm				2500 ppm			
		No. of Animals on Study				16				24				45			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Hematopoietic system}																	
spleen		<21>				<16>				<24>				<45>			
	extramedullary hematopoiesis	6	1	9	0	3	2	3	0	2	10	8	0 *	9	21	8	0 **
		( 29 )	( 5 )	( 43 )	( 0 )	( 19 )	( 13 )	( 19 )	( 0 )	( 8 )	( 42 )	( 33 )	( 0 )	( 20 )	( 47 )	( 18 )	( 0 )
{Circulatory system}																	
heart		<21>				<16>				<24>				<45>			
	mineralization	2	0	0	0	1	0	0	0	5	1	0	0	1	0	1	0
		( 10 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 21 )	( 4 )	( 0 )	( 0 )	( 2 )	( 0 )	( 2 )	( 0 )
	arteritis	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
		( 0 )	( 5 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )
{Digestive system}																	
tooth		<21>				<16>				<24>				<45>			
	dysplasia	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 )
tongue		<21>				<16>				<24>				<45>			
	arteritis	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
		( 0 )	( 5 )	( 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 ; \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$  Test of Chi Square

STUDY NO. : 0462  
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	Control				100 ppm				500 ppm				2500 ppm			
		No. of Animals on Study	21				16				24				45			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
<hr/>																		
{Digestive system}																		
salivary gl		<21>					<16>				<24>				<45>			
	lymphocytic 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 )	( 0 )	
stomach		<21>					<16>				<24>				<45>			
	hyperplasia:glandular stomach	4	12	1	0	11	5	0	0 *	12	6	0	0	19	18	0	0	
		( 19 )	( 57 )	( 5 )	( 0 )	( 69 )	( 31 )	( 0 )	( 0 )	( 50 )	( 25 )	( 0 )	( 0 )	( 42 )	( 40 )	( 0 )	( 0 )	
liver		<21>					<16>				<24>				<45>			
	angiectasis	0	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0	
		( 0 )	( 5 )	( 0 )	( 0 )	( 0 )	( 6 )	( 6 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	
		<21>					<16>				<24>				<45>			
	granulation	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
		( 5 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	
		<21>					<16>				<24>				<45>			
	basophilic cell focus	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 )	( 4 )	( 0 )	( 0 )	( 0 )	
		<21>					<16>				<24>				<45>			
	hepatocellular hypertrophy:central	0	0	0	0	0	0	0	0	6	4	0	0 **	1	29	4	0 **	
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 25 )	( 17 )	( 0 )	( 0 )	( 2 )	( 64 )	( 9 )	( 0 )	
pancreas		<21>					<16>				<24>				<45>			
	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 )	( 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. : 0462  
 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

Organ	Findings	Control No. of Animals on Study Grade				100 ppm 16				500 ppm 24				2500 ppm 45			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}																	
pancreas		<21>				<16>				<24>				<45>			
	hyperplasia:gland	0	0	0	0	0	0	0	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 )
{Urinary system}																	
kidney		<21>				<16>				<24>				<45>			
	hyaline droplet	0	1	10	0	0	0	4	0	0	2	4	1	0	0	4	0 **
		( 0 )	( 5 )	( 48 )	( 0 )	( 0 )	( 0 )	( 25 )	( 0 )	( 0 )	( 8 )	( 17 )	( 4 )	( 0 )	( 0 )	( 9 )	( 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 )	( 6 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	deposit of hemosiderin	0	0	0	0	0	0	0	0	1	0	2	0	2	2	11	0 *
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 8 )	( 0 )	( 4 )	( 4 )	( 24 )	( 0 )
	inflammatory polyp	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 )
	hydronephrosis	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
		( 0 )	( 5 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )
{Endocrine system}																	
pituitary		<21>				<16>				<24>				<45>			
	congestion	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 ≤ 0.05 \*\* : P ≤ 0.01 Test of Chi Square

STUDY NO. : 0462  
 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

		Group Name No. of Animals on Study				Control 21				100 ppm 16				500 ppm 24				2500 ppm 45			
Organ_____	Findings_____	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)			
{Endocrine system}																					
pituitary			<21>				<16>				<24>				<45>						
	hyperplasia		0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0			
			( 0 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )			
	focal hypertrophy		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 )			
adrenal			<21>				<16>				<24>				<45>						
	spindle-cell hyperplasia		5	16	0	0	4	10	1	0	6	15	0	0	32	10	0	0			
			( 24 )	( 76 )	( 0 )	( 0 )	( 25 )	( 63 )	( 6 )	( 0 )	( 25 )	( 63 )	( 0 )	( 0 )	( 71 )	( 22 )	( 0 )	( 0 )			
	focal hypertrophy:cortex		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 )			
{Reproductive system}																					
ovary			<21>				<16>				<24>				<45>						
	cyst		2	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0			
			( 10 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )			
	xanthogranuloma		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 )	( 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. : 0462  
 ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 16

		Group Name	Control				100 ppm				500 ppm				2500 ppm			
		No. of Animals on Study	21				16				24				45			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Organ	Findings		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Reproductive system}																		
uterus			<21>				<16>				<24>				<45>			
	cystic endometrial hyperplasia		2	3	0	0	6	1	0	0	9	1	0	0	4	1	0	0
			( 10)	( 14)	( 0)	( 0)	( 38)	( 6)	( 0)	( 0)	( 38)	( 4)	( 0)	( 0)	( 9)	( 2)	( 0)	( 0)
{Nervous system}																		
brain			<21>				<16>				<24>				<45>			
	mineralization		5	0	0	0	8	0	0	0	7	0	0	0	22	0	0	0
			( 24)	( 0)	( 0)	( 0)	( 50)	( 0)	( 0)	( 0)	( 29)	( 0)	( 0)	( 0)	( 49)	( 0)	( 0)	( 0)
{Special sense organs/appendage}																		
eye			<21>				<16>				<24>				<45>			
	degeneration:cornea		1	0	0	0	1	0	0	0	2	0	0	0	4	0	0	0
			( 5)	( 0)	( 0)	( 0)	( 6)	( 0)	( 0)	( 0)	( 8)	( 0)	( 0)	( 0)	( 9)	( 0)	( 0)	( 0)
Harder gl			<21>				<16>				<24>				<45>			
	hyperplasia		0	0	0	0	0	0	0	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)
{Musculoskeletal system}																		
muscle			<21>				<16>				<24>				<45>			
	mineralization		0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0
			( 0)	( 0)	( 0)	( 0)	( 13)	( 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



## APPENDIX L 6

HISTOPATHOLOGICAL FINDINGS :  
NON-NEOPLASTIC LESIONS : FEMALE  
SACRIFICED ANIMALS

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 11

Organ_____	Findings_____	Group Name	Control				100 ppm				500 ppm				2500 ppm			
		No. of Animals on Study	29				34				26				5			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Integumentary system/appandage}																		
skin/app			<29>				<34>				<26>				< 5>			
	scab		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 4)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
{Respiratory system}																		
nasal cavit			<29>				<34>				<26>				< 5>			
	eosinophilic change:olfactory epithelium		6	1	0	0	5	0	0	0	7	1	0	0	3	1	0	0 *
			( 21)	( 3)	( 0)	( 0)	( 15)	( 0)	( 0)	( 0)	( 27)	( 4)	( 0)	( 0)	( 60)	( 20)	( 0)	( 0)
	eosinophilic change:respiratory epithelium		12	8	0	0	12	8	0	0	14	10	0	0	2	1	0	0
			( 41)	( 28)	( 0)	( 0)	( 35)	( 24)	( 0)	( 0)	( 54)	( 38)	( 0)	( 0)	( 40)	( 20)	( 0)	( 0)
	respiratory metaplasia:olfactory epithelium		3	0	0	0	2	0	0	0	8	0	0	0	3	0	0	0 *
			( 10)	( 0)	( 0)	( 0)	( 6)	( 0)	( 0)	( 0)	( 31)	( 0)	( 0)	( 0)	( 60)	( 0)	( 0)	( 0)
	respiratory metaplasia:gland		10	0	0	0	7	1	0	0	10	1	0	0	3	2	0	0 **
			( 34)	( 0)	( 0)	( 0)	( 21)	( 3)	( 0)	( 0)	( 38)	( 4)	( 0)	( 0)	( 60)	( 40)	( 0)	( 0)
nasopharynx			<29>				<34>				<26>				< 5>			
	eosinophilic change		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)	( 4)	( 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. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 12

Organ	Findings	Group Name No. of Animals on Study Grade				Control 29				100 ppm 34				500 ppm 26				2500 ppm 5			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																					
lung		<29>				<34>				<26>				< 5>							
	lymphocytic infiltration	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		( 0)	( 0)	( 0)	( 0)	( 3)	( 0)	( 0)	( 0)	( 4)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	bronchiolar-alveolar cell hyperplasia	6	0	0	0	10	0	0	0	15	0	0	0 *	1	0	0	0	1	0	0	0
		( 21)	( 0)	( 0)	( 0)	( 29)	( 0)	( 0)	( 0)	( 58)	( 0)	( 0)	( 0)	( 20)	( 0)	( 0)	( 0)	( 20)	( 0)	( 0)	( 0)
{Hematopoietic system}																					
bone marrow		<29>				<34>				<26>				< 5>							
	erythropoiesis:increased	0	0	0	0	1	0	0	0	5	0	0	0 *	3	1	0	0	3	1	0	0 **
		( 0)	( 0)	( 0)	( 0)	( 3)	( 0)	( 0)	( 0)	( 19)	( 0)	( 0)	( 0)	( 60)	( 20)	( 0)	( 0)	( 60)	( 20)	( 0)	( 0)
spleen		<29>				<34>				<26>				< 5>							
	deposit of hemosiderin	11	4	0	0	17	2	0	0	14	3	0	0	3	1	0	0	3	1	0	0
		( 38)	( 14)	( 0)	( 0)	( 50)	( 6)	( 0)	( 0)	( 54)	( 12)	( 0)	( 0)	( 60)	( 20)	( 0)	( 0)	( 60)	( 20)	( 0)	( 0)
	deposit of melanin	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		( 0)	( 0)	( 0)	( 0)	( 9)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	fibrosis:focal	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)	( 4)	( 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. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 13

		Group Name	Control				100 ppm				500 ppm				2500 ppm			
		No. of Animals on Study	29				34				26				5			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Hematopoietic system)																		
spleen			<29>				<34>				<26>				< 5>			
	extramedullary hematopoiesis		4 ( 14)	2 ( 7)	1 ( 3)	0 ( 0)	4 ( 12)	1 ( 3)	0 ( 0)	0 ( 0)	11 ( 42)	3 ( 12)	0 ( 0)	0 ( 0)	0 ( 0)	5 (100)	0 ( 0)	0 ( 0)
	follicular hyperplasia		3 ( 10)	2 ( 7)	0 ( 0)	0 ( 0)	4 ( 12)	0 ( 0)	0 ( 0)	0 ( 0)	3 ( 12)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)
(Digestive system)																		
tooth			<29>				<34>				<26>				< 5>			
	dysplasia		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)
	xanthogranuloma		0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	1 ( 4)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)
salivary gl			<29>				<34>				<26>				< 5>			
	lymphocytic 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)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)
stomach			<29>				<34>				<26>				< 5>			
	hyperplasia:glandular stomach		7 ( 24)	14 ( 48)	8 ( 28)	0 ( 0)	6 ( 18)	20 ( 59)	7 ( 21)	0 ( 0)	4 ( 15)	18 ( 69)	4 ( 15)	0 ( 0)	1 ( 20)	2 ( 40)	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. : 0462  
ANIMAL : MOUSE B6D2F1/CrJ[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 29				100 ppm 34				500 ppm 26				2500 ppm 5			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}																					
liver		<29>				<34>				<26>				<5>							
	angiectasis	1 ( 3 )	2 ( 7 )	1 ( 3 )	0 ( 0 )	2 ( 6 )	4 ( 12 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	3 ( 12 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )
	deposit of amyloid	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 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )
	inflammatory infiltration	0 ( 0 )	1 ( 3 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	1 ( 4 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )
	lymphocytic infiltration	1 ( 3 )	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 )	0 ( 0 )	0 ( 0 )	0 ( 0 )
	granulation	9 ( 31 )	14 ( 48 )	0 ( 0 )	0 ( 0 )	11 ( 32 )	16 ( 47 )	0 ( 0 )	0 ( 0 )	6 ( 23 )	5 ( 19 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )
	extramedullary hematopoiesis	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	1 ( 4 )	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	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 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )
	basophilic cell focus	3 ( 10 )	2 ( 7 )	0 ( 0 )	0 ( 0 )	2 ( 6 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	3 ( 12 )	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. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : FEMALE

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

PAGE : 15

Organ	Findings	Group Name No. of Animals on Study Grade				Control 29				100 ppm 34				500 ppm 26				2500 ppm 5			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Digestive system)																					
liver		<29>				<34>				<26>				< 5>							
	biliary cyst	2	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		( 7)	( 0)	( 0)	( 0)	( 3)	( 0)	( 0)	( 0)	( 4)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	hepatocellular hypertrophy:central	0	0	0	0	0	0	0	0	9	10	0	0 **	0	3	0	0 **	0	0	0	0
		( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 35)	( 38)	( 0)	( 0)	( 0)	( 60)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
pancreas		<29>				<34>				<26>				< 5>							
	atrophy	0	0	0	0	1	0	0	0	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)	( 0)	( 0)	( 0)
(Urinary system)																					
kidney		<29>				<34>				<26>				< 5>							
	hyaline droplet	1	1	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
		( 3)	( 3)	( 3)	( 0)	( 0)	( 0)	( 3)	( 0)	( 0)	( 0)	( 4)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	basophilic change	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		( 7)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 4)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	deposit of hemosiderin	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0 **	0	0	0	0
		( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 4)	( 0)	( 0)	( 20)	( 20)	( 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. : 0462  
 ANIMAL : MOUSE B6D2F1/Crj[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 16

Organ	Findings	Group Name No. of Animals on Study				Control 29				100 ppm 34				500 ppm 26				2500 ppm 5			
		Grade				1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Urinary system}																					
kidney		<29>				<34>				<26>				<5>							
	inflammatory polyp	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 3 )	( 3 )	( 0 )	( 0 )	( 4 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	hydronephrosis	0	1	0	0	0	1	0	0	0	1	0	0	0	1	1	0	0	0	0	0
		( 0 )	( 3 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )	( 4 )	( 4 )	( 0 )	( 0 )	( 4 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
urin bladd		<29>				<34>				<26>				<5>							
	inflammatory infiltration	1	0	0	0	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 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	lymphocytic infiltration	2	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 )
	arteritis	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 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
{Endocrine system}																					
pituitary		<28>				<34>				<26>				<5>							
	cyst	1	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 )	( 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. : 0462  
 ANIMAL : MOUSE B6D2F1/Crj[Crl:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 17

Organ	Findings	Group Name No. of Animals on Study Grade	Control 29				100 ppm 34				500 ppm 26				2500 ppm 5			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Endocrine system}																		
pituitary	hyperplasia		<28>				<34>				<26>				< 5>			
			2	0	0	0	2	0	0	0	0	2	0	0	0	0	0	0
			( 7)	( 0)	( 0)	( 0)	( 6)	( 0)	( 0)	( 0)	( 0)	( 8)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	focal hypertrophy		<28>				<34>				<26>				< 5>			
			3	0	0	0	3	0	0	0	5	0	0	0	0	0	0	0
			( 11)	( 0)	( 0)	( 0)	( 9)	( 0)	( 0)	( 0)	( 19)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
adrenal	spindle-cell hyperplasia		<29>				<34>				<26>				< 5>			
			2	23	4	0	5	27	2	0	2	23	1	0	5	0	0	0 **
			( 7)	( 79)	( 14)	( 0)	( 15)	( 79)	( 6)	( 0)	( 8)	( 88)	( 4)	( 0)	( 100)	( 0)	( 0)	( 0)
{Reproductive system}																		
ovary	cyst		<29>				<34>				<26>				< 5>			
			6	2	0	0	8	0	0	0	4	0	0	0	0	0	0	0
			( 21)	( 7)	( 0)	( 0)	( 24)	( 0)	( 0)	( 0)	( 15)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
uterus	cystic endometrial hyperplasia		<29>				<34>				<26>				< 5>			
			16	9	0	0	17	13	1	0	11	6	2	0	0	0	0	0 **
			( 55)	( 31)	( 0)	( 0)	( 50)	( 38)	( 3)	( 0)	( 42)	( 23)	( 8)	( 0)	( 0)	( 0)	( 0)	( 0)
{Nervous system}																		
brain	mineralization		<29>				<34>				<26>				< 5>			
			16	0	0	0	11	0	0	0	15	0	0	0	1	0	0	0
			( 55)	( 0)	( 0)	( 0)	( 32)	( 0)	( 0)	( 0)	( 58)	( 0)	( 0)	( 0)	( 20)	( 0)	( 0)	( 0)

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



STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 18

Organ_____	Findings_____	Group Name				Control				100 ppm				500 ppm				2500 ppm			
		No. of Animals on Study				29				34				26				5			
		Grade																			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)			

{Special sense organs/appendage}

eye	degeneration:cornea	<29>				<34>				<26>				< 5>			
		3	0	0	0	1	0	0	0	3	0	0	0	0	0	0	0
		( 10)	( 0)	( 0)	( 0)	( 3)	( 0)	( 0)	( 0)	( 12)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)

{Body cavities}

peritoneum	granulation	<29>				<34>				<26>				< 5>			
		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)	( 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)

BAIS1

## APPENDIX M 1

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

STUDY NO. : 0462  
 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	100 ppm	500 ppm	2500 ppm
0 - 52	NO. OF EXAMINED ANIMALS		1	0	1	1
	NO. OF ANIMALS WITH TUMORS		1	0	1	0
	NO. OF ANIMALS WITH SINGLE TUMORS		1	0	1	0
	NO. OF ANIMALS WITH MULTIPLE TUMORS		0	0	0	0
	NO. OF BENIGN TUMORS		0	0	0	0
	NO. OF MALIGNANT TUMORS		1	0	1	0
	NO. OF TOTAL TUMORS		1	0	1	0
53 - 78	NO. OF EXAMINED ANIMALS		4	5	7	14
	NO. OF ANIMALS WITH TUMORS		3	2	7	14
	NO. OF ANIMALS WITH SINGLE TUMORS		2	2	3	3
	NO. OF ANIMALS WITH MULTIPLE TUMORS		1	0	4	11
	NO. OF BENIGN TUMORS		1	1	5	13
	NO. OF MALIGNANT TUMORS		3	1	6	18
	NO. OF TOTAL TUMORS		4	2	11	31
79 - 104	NO. OF EXAMINED ANIMALS		10	10	25	27
	NO. OF ANIMALS WITH TUMORS		10	9	25	27
	NO. OF ANIMALS WITH SINGLE TUMORS		4	4	6	2
	NO. OF ANIMALS WITH MULTIPLE TUMORS		6	5	19	25
	NO. OF BENIGN TUMORS		8	3	15	22
	NO. OF MALIGNANT TUMORS		10	14	42	49
	NO. OF TOTAL TUMORS		18	17	57	71
105 - 105	NO. OF EXAMINED ANIMALS		35	35	17	8
	NO. OF ANIMALS WITH TUMORS		30	34	17	8
	NO. OF ANIMALS WITH SINGLE TUMORS		14	9	5	0
	NO. OF ANIMALS WITH MULTIPLE TUMORS		16	25	12	8
	NO. OF BENIGN TUMORS		29	47	16	6
	NO. OF MALIGNANT TUMORS		21	30	21	17
	NO. OF TOTAL TUMORS		50	77	37	23

STUDY NO. : 0462  
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	100 ppm	500 ppm	2500 ppm
0 - 105	NO. OF EXAMINED ANIMALS		50	50	50	50
	NO. OF ANIMALS WITH TUMORS		44	45	50	49
	NO. OF ANIMALS WITH SINGLE TUMORS		21	15	15	5
	NO. OF ANIMALS WITH MULTIPLE TUMORS		23	30	35	44
	NO. OF BENIGN TUMORS		38	51	36	41
	NO. OF MALIGNANT TUMORS		35	45	70	84
	NO. OF TOTAL TUMORS		73	96	106	125
(HPT070)			BATS4			

## APPENDIX M 2

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

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj: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	100 ppm	500 ppm	2500 ppm
0 - 52	NO. OF EXAMINED ANIMALS		1	0	1	1
	NO. OF ANIMALS WITH TUMORS		1	0	1	1
	NO. OF ANIMALS WITH SINGLE TUMORS		1	0	0	0
	NO. OF ANIMALS WITH MULTIPLE TUMORS		0	0	1	1
	NO. OF BENIGN TUMORS		0	0	1	2
	NO. OF MALIGNANT TUMORS		1	0	1	1
	NO. OF TOTAL TUMORS		1	0	2	3
53 - 78	NO. OF EXAMINED ANIMALS		0	2	2	13
	NO. OF ANIMALS WITH TUMORS		0	2	2	13
	NO. OF ANIMALS WITH SINGLE TUMORS		0	2	1	0
	NO. OF ANIMALS WITH MULTIPLE TUMORS		0	0	1	13
	NO. OF BENIGN TUMORS		0	0	2	15
	NO. OF MALIGNANT TUMORS		0	2	1	22
	NO. OF TOTAL TUMORS		0	2	3	37
79 - 104	NO. OF EXAMINED ANIMALS		20	14	21	31
	NO. OF ANIMALS WITH TUMORS		20	13	21	31
	NO. OF ANIMALS WITH SINGLE TUMORS		13	9	0	4
	NO. OF ANIMALS WITH MULTIPLE TUMORS		7	4	21	27
	NO. OF BENIGN TUMORS		7	7	23	22
	NO. OF MALIGNANT TUMORS		22	13	28	61
	NO. OF TOTAL TUMORS		29	20	51	83
105 - 105	NO. OF EXAMINED ANIMALS		29	34	26	5
	NO. OF ANIMALS WITH TUMORS		22	27	26	5
	NO. OF ANIMALS WITH SINGLE TUMORS		13	6	6	0
	NO. OF ANIMALS WITH MULTIPLE TUMORS		9	21	20	5
	NO. OF BENIGN TUMORS		16	39	28	5
	NO. OF MALIGNANT TUMORS		19	24	29	6
	NO. OF TOTAL TUMORS		35	63	57	11

STUDY NO. : 0462  
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	100 ppm	500 ppm	2500 ppm
0 - 105	NO. OF EXAMINED ANIMALS		50	50	50	50
	NO. OF ANIMALS WITH TUMORS		43	42	50	50
	NO. OF ANIMALS WITH SINGLE TUMORS		27	17	7	4
	NO. OF ANIMALS WITH MULTIPLE TUMORS		16	25	43	46
	NO. OF BENIGN TUMORS		23	46	54	44
	NO. OF MALIGNANT TUMORS		42	39	59	90
	NO. OF TOTAL TUMORS		65	85	113	134

(HPT070)

BAIS4

## APPENDIX N 1

HISTOPATHOLOGICAL FINDINGS :

NEOPLASTIC LESIONS : MALE



STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj: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	100 ppm 50	500 ppm 50	2500 ppm 50
{Integumentary system/appandage}						
skin/app			<50>	<50>	<50>	<50>
	melanoma:malignant		1 ( 2%)	0 ( 0%)	0 ( 0%)	0 ( 0%)
subcutis			<50>	<50>	<50>	<50>
	histiocytic sarcoma		1 ( 2%)	0 ( 0%)	0 ( 0%)	0 ( 0%)
	hemangiosarcoma		0 ( 0%)	0 ( 0%)	1 ( 2%)	0 ( 0%)
{Respiratory system}						
lung			<50>	<50>	<50>	<50>
	bronchiolar-alveolar adenoma		9 ( 18%)	8 ( 16%)	3 ( 6%)	0 ( 0%)
	hemangioma		0 ( 0%)	0 ( 0%)	0 ( 0%)	1 ( 2%)
	bronchiolar-alveolar carcinoma		4 ( 8%)	10 ( 20%)	3 ( 6%)	1 ( 2%)
{Hematopoietic system}						
lymph node			<50>	<50>	<50>	<50>
	mastcytoma:benign		0 ( 0%)	0 ( 0%)	0 ( 0%)	1 ( 2%)
	malignant lymphoma		5 ( 10%)	7 ( 14%)	4 ( 8%)	1 ( 2%)
spleen			<50>	<50>	<50>	<50>
	hemangioma		0 ( 0%)	3 ( 6%)	0 ( 0%)	0 ( 0%)
	histiocytic sarcoma		0 ( 0%)	1 ( 2%)	0 ( 0%)	0 ( 0%)
	malignant lymphoma		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

(HPT085)

BAIS4

STUDY NO. : 0462  
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	100 ppm 50	500 ppm 50	2500 ppm 50
{Hematopoietic system}						
spleen	hemangiosarcoma		<50> 1 ( 2%)	<50> 2 ( 4%)	<50> 3 ( 6%)	<50> 2 ( 4%)
{Digestive system}						
salivary gl	histiocytic sarcoma		<50> 1 ( 2%)	<50> 0 ( 0%)	<50> 0 ( 0%)	<50> 0 ( 0%)
stomach	squamous cell papilloma		<50> 0 ( 0%)	<50> 1 ( 2%)	<50> 0 ( 0%)	<50> 0 ( 0%)
	carcinoid tumor		<50> 1 ( 2%)	<50> 0 ( 0%)	<50> 0 ( 0%)	<50> 0 ( 0%)
large intes	fibroma		<50> 0 ( 0%)	<50> 0 ( 0%)	<50> 1 ( 2%)	<50> 0 ( 0%)
liver	hemangioma		<50> 5 ( 10%)	<50> 4 ( 8%)	<50> 1 ( 2%)	<50> 2 ( 4%)
	hepatocellular adenoma		<50> 19 ( 38%)	<50> 29 ( 58%)	<50> 30 ( 60%)	<50> 34 ( 68%)
	histiocytic sarcoma		<50> 2 ( 4%)	<50> 0 ( 0%)	<50> 1 ( 2%)	<50> 1 ( 2%)
	hemangiosarcoma		<50> 1 ( 2%)	<50> 2 ( 4%)	<50> 0 ( 0%)	<50> 0 ( 0%)
	hepatocellular carcinoma		<50> 15 ( 30%)	<50> 14 ( 28%)	<50> 20 ( 40%)	<50> 35 ( 70%)
	hepatoblastoma		<50> 1 ( 2%)	<50> 6 ( 12%)	<50> 35 ( 70%)	<50> 44 ( 88%)
pancreas	islet cell adenocarcinoma		<50> 0 ( 0%)	<50> 0 ( 0%)	<50> 1 ( 2%)	<50> 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. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crlj: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	100 ppm 50	500 ppm 50	2500 ppm 50
{Urinary system}						
kidney			<50>	<50>	<50>	<50>
	histiocytic sarcoma		0 ( 0%)	0 ( 0%)	1 ( 2%)	0 ( 0%)
urin bladd			<49>	<50>	<50>	<50>
	histiocytic sarcoma		0 ( 0%)	1 ( 2%)	0 ( 0%)	0 ( 0%)
{Endocrine system}						
thyroid			<50>	<50>	<50>	<50>
	follicular adenoma		0 ( 0%)	1 ( 2%)	0 ( 0%)	0 ( 0%)
adrenal			<50>	<50>	<50>	<50>
	pheochromocytoma:malignant		1 ( 2%)	0 ( 0%)	0 ( 0%)	0 ( 0%)
{Reproductive system}						
testis			<50>	<50>	<50>	<50>
	xanthoma		0 ( 0%)	1 ( 2%)	0 ( 0%)	0 ( 0%)
epididymis			<50>	<49>	<50>	<50>
	histiocytic sarcoma		1 ( 2%)	1 ( 2%)	0 ( 0%)	0 ( 0%)
{Nervous system}						
periph nerv			<50>	<50>	<50>	<50>
	schwannoma		0 ( 0%)	0 ( 0%)	0 ( 0%)	1 ( 2%)
	schwannoma:malignant		0 ( 0%)	0 ( 0%)	1 ( 2%)	0 ( 0%)
{Special sense organs/appendage}						
Harder gl			<50>	<50>	<50>	<50>
	adenoma		4 ( 8%)	4 ( 8%)	1 ( 2%)	2 ( 4%)

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

STUDY NO. : 0462  
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	100 ppm 50	500 ppm 50	2500 ppm 50
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{Body cavities}

retroperit	hemangiosarcoma	<50> 1 ( 2%)	<50> 0 ( 0%)	<50> 0 ( 0%)	<50> 0 ( 0%)
------------	-----------------	-----------------	-----------------	-----------------	-----------------

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

(HPT085)

BATS4

## APPENDIX N 2

HISTOPATHOLOGICAL FINDINGS :

NEOPLASTIC LESIONS : FEMALE

STUDY NO. : 0462  
 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	100 ppm 50	500 ppm 50	2500 ppm 50
{Integumentary system/appandage}						
skin/app			<50>	<50>	<50>	<50>
	squamous cell papilloma		0 ( 0%)	1 ( 2%)	0 ( 0%)	0 ( 0%)
	melanoma		0 ( 0%)	1 ( 2%)	0 ( 0%)	0 ( 0%)
subcutis			<50>	<50>	<50>	<50>
	hemangioma		1 ( 2%)	0 ( 0%)	1 ( 2%)	1 ( 2%)
	fibrosarcoma		1 ( 2%)	0 ( 0%)	0 ( 0%)	0 ( 0%)
	histiocytic sarcoma		0 ( 0%)	0 ( 0%)	1 ( 2%)	0 ( 0%)
{Respiratory system}						
lung			<50>	<50>	<50>	<50>
	bronchiolar-alveolar adenoma		4 ( 8%)	4 ( 8%)	0 ( 0%)	0 ( 0%)
	bronchiolar-alveolar carcinoma		3 ( 6%)	4 ( 8%)	3 ( 6%)	0 ( 0%)
{Hematopoietic system}						
lymph node			<50>	<50>	<50>	<50>
	malignant lymphoma		16 ( 32%)	17 ( 34%)	17 ( 34%)	3 ( 6%)
	mastcytoma:malignant		1 ( 2%)	0 ( 0%)	0 ( 0%)	1 ( 2%)
	hemangiosarcoma		1 ( 2%)	0 ( 0%)	0 ( 0%)	0 ( 0%)
spleen			<50>	<50>	<50>	<50>
	hemangioma		0 ( 0%)	2 ( 4%)	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

(HPT085)

BAIS4

STUDY NO. : 0462  
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	100 ppm 50	500 ppm 50	2500 ppm 50
{Hematopoietic system}						
spleen	malignant lymphoma		<50> 2 ( 4%)	<50> 3 ( 6%)	<50> 3 ( 6%)	<50> 0 ( 0%)
	hemangiosarcoma		1 ( 2%)	0 ( 0%)	0 ( 0%)	1 ( 2%)
{Digestive system}						
stomach	squamous cell papilloma		<50> 0 ( 0%)	<50> 1 ( 2%)	<50> 0 ( 0%)	<50> 1 ( 2%)
	hemangioma		<50> 1 ( 2%)	<50> 0 ( 0%)	<50> 0 ( 0%)	<50> 0 ( 0%)
small intes	histiocytic sarcoma		1 ( 2%)	0 ( 0%)	0 ( 0%)	0 ( 0%)
	hemangioma		<50> 1 ( 2%)	<50> 0 ( 0%)	<50> 1 ( 2%)	<50> 1 ( 2%)
liver	hepatocellular adenoma		8 ( 16%)	22 ( 44%)	48 ( 96%)	38 ( 76%)
	histiocytic sarcoma		0 ( 0%)	0 ( 0%)	0 ( 0%)	2 ( 4%)
	hemangiosarcoma		0 ( 0%)	1 ( 2%)	0 ( 0%)	1 ( 2%)
	hepatocellular carcinoma		0 ( 0%)	3 ( 6%)	14 ( 28%)	48 ( 96%)
	hepatoblastoma		0 ( 0%)	0 ( 0%)	9 ( 18%)	28 ( 56%)
{Urinary system}						
urin bladd	histiocytic sarcoma		<50> 0 ( 0%)	<50> 1 ( 2%)	<50> 0 ( 0%)	<50> 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. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj: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	100 ppm 50	500 ppm 50	2500 ppm 50
{Endocrine system}						
pituitary			<49>	<50>	<50>	<50>
	adenoma		4 ( 8%)	6 ( 12%)	2 ( 4%)	0 ( 0%)
adrenal			<50>	<50>	<50>	<50>
	pheochromocytoma		0 ( 0%)	2 ( 4%)	0 ( 0%)	0 ( 0%)
{Reproductive system}						
ovary			<50>	<50>	<50>	<50>
	cystadenoma		2 ( 4%)	2 ( 4%)	1 ( 2%)	1 ( 2%)
	hemangioma		0 ( 0%)	0 ( 0%)	1 ( 2%)	0 ( 0%)
	teratoma		0 ( 0%)	0 ( 0%)	0 ( 0%)	1 ( 2%)
uterus			<50>	<50>	<50>	<50>
	hemangioma		0 ( 0%)	1 ( 2%)	0 ( 0%)	0 ( 0%)
	papillary adenoma		1 ( 2%)	0 ( 0%)	0 ( 0%)	0 ( 0%)
	endometrial stromal polyp		0 ( 0%)	1 ( 2%)	0 ( 0%)	0 ( 0%)
	histiocytic sarcoma		15 ( 30%)	8 ( 16%)	12 ( 24%)	6 ( 12%)
vagina			<50>	<50>	<50>	<50>
	histiocytic sarcoma		0 ( 0%)	1 ( 2%)	0 ( 0%)	0 ( 0%)
{Nervous system}						
periph nerv			<50>	<50>	<50>	<50>
	histiocytic sarcoma		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. : 0462  
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	100 ppm 50	500 ppm 50	2500 ppm 50
{Special sense organs/appendage}						
Harder gl	adenoma		<50> 1 ( 2%)	<50> 2 ( 4%)	<50> 0 ( 0%)	<50> 1 ( 2%)
{Musculoskeletal system}						
muscle	hemangioma		<50> 0 ( 0%)	<50> 1 ( 2%)	<50> 0 ( 0%)	<50> 0 ( 0%)
{Body cavities}						
peritoneum	histiocytic sarcoma		<50> 0 ( 0%)	<50> 1 ( 2%)	<50> 0 ( 0%)	<50> 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

## APPENDIX O 1

### NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS : MALE

STUDY No. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 1

Group Name	Control	100 ppm	500 ppm	2500 ppm
SITE : lung TUMOR : bronchiolar-alveolar adenoma				
Tumor rate				
Overall rates(a)	9/50( 18.0)	8/50( 16.0)	3/50( 6.0)	0/50( 0.0)
Adjusted rates(b)	20.00	22.86	11.76	0.0
Terminal rates(c)	5/35( 14.3)	8/35( 22.9)	2/17( 11.8)	0/ 8( 0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.9970			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.0021**			
Fisher Exact test(e)		P = 0.5000	P = 0.0606	P = 0.0013**
SITE : lung TUMOR : bronchiolar-alveolar carcinoma				
Tumor rate				
Overall rates(a)	4/50( 8.0)	10/50( 20.0)	3/50( 6.0)	1/50( 2.0)
Adjusted rates(b)	11.43	24.32	8.70	3.57
Terminal rates(c)	4/35( 11.4)	7/35( 20.0)	1/17( 5.9)	0/ 8( 0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.3199			
Prevalence method(d)	P = 0.8327			
Combined analysis(d)	P = 0.8520			
Cochran-Armitage test(e)	P = 0.0291*			
Fisher Exact test(e)		P = 0.0739	P = 0.5000	P = 0.1811
SITE : lung TUMOR : bronchiolar-alveolar adenoma, bronchiolar-alveolar carcinoma				
Tumor rate				
Overall rates(a)	13/50( 26.0)	16/50( 32.0)	6/50( 12.0)	1/50( 2.0)
Adjusted rates(b)	28.89	40.54	17.65	3.57
Terminal rates(c)	9/35( 25.7)	13/35( 37.1)	3/17( 17.6)	0/ 8( 0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.3199			
Prevalence method(d)	P = 0.9986			
Combined analysis(d)	P = 0.9987			
Cochran-Armitage test(e)	P = 0.0002**			
Fisher Exact test(e)		P = 0.3299	P = 0.0624	P = 0.0004**

STUDY No. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 2

Group Name	Control	100 ppm	500 ppm	2500 ppm
SITE : lymph node TUMOR : malignant lymphoma				
Tumor rate				
Overall rates(a)	5/50( 10.0)	7/50( 14.0)	4/50( 8.0)	1/50( 2.0)
Adjusted rates(b)	5.71	11.43	17.65	12.50
Terminal rates(c)	2/35( 5.7)	4/35( 11.4)	3/17( 17.6)	1/ 8( 12.5)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.9207			
Prevalence method(d)	P = 0.2791			
Combined analysis(d)	P = 0.6944			
Cochran-Armitage test(e)	P = 0.0460*			
Fisher Exact test(e)		P = 0.3798	P = 0.5000	P = 0.1022
SITE : spleen TUMOR : hemangioma				
Tumor rate				
Overall rates(a)	0/50( 0.0)	3/50( 6.0)	0/50( 0.0)	0/50( 0.0)
Adjusted rates(b)	0.0	8.57	0.0	0.0
Terminal rates(c)	0/35( 0.0)	3/35( 8.6)	0/17( 0.0)	0/ 8( 0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.6374			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.2450			
Fisher Exact test(e)		P = 0.1212	P = N.C.	P = N.C.
SITE : spleen TUMOR : hemangiosarcoma				
Tumor rate				
Overall rates(a)	1/50( 2.0)	2/50( 4.0)	3/50( 6.0)	2/50( 4.0)
Adjusted rates(b)	2.86	2.86	7.32	12.50
Terminal rates(c)	1/35( 2.9)	1/35( 2.9)	0/17( 0.0)	1/ 8( 12.5)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.3303			
Prevalence method(d)	P = 0.2076			
Combined analysis(d)	P = 0.2477			
Cochran-Armitage test(e)	P = 0.8587			
Fisher Exact test(e)		P = 0.5000	P = 0.3087	P = 0.5000

STUDY No. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDFl]  
SEX : MALE

NEOPLASTIC LESIONS—INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 3

Group Name	Control	100 ppm	500 ppm	2500 ppm
SITE : spleen TUMOR : hemangioma, hemangiosarcoma				
Tumor rate				
Overall rates(a)	1/50( 2.0)	5/50( 10.0)	3/50( 6.0)	2/50( 4.0)
Adjusted rates(b)	2.86	11.43	7.32	12.50
Terminal rates(c)	1/35( 2.9)	4/35( 11.4)	0/17( 0.0)	1/ 8( 12.5)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.3303			
Prevalence method(d)	P = 0.3964			
Combined analysis(d)	P = 0.4431			
Cochran-Armitage test(e)	P = 0.6407			
Fisher Exact test(e)		P = 0.1022	P = 0.3087	P = 0.5000
SITE : liver TUMOR : hemangioma				
Tumor rate				
Overall rates(a)	5/50( 10.0)	4/50( 8.0)	1/50( 2.0)	2/50( 4.0)
Adjusted rates(b)	6.82	11.43	0.0	5.13
Terminal rates(c)	2/35( 5.7)	4/35( 11.4)	0/17( 0.0)	0/ 8( 0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.6977			
Prevalence method(d)	P = 0.5035			
Combined analysis(d)	P = 0.6366			
Cochran-Armitage test(e)	P = 0.3178			
Fisher Exact test(e)		P = 0.5000	P = 0.1022	P = 0.2180
SITE : liver TUMOR : hepatocellular adenoma				
Tumor rate				
Overall rates(a)	19/50( 38.0)	29/50( 58.0)	30/50( 60.0)	34/50( 68.0)
Adjusted rates(b)	51.43	72.22	78.95	80.00
Terminal rates(c)	18/35( 51.4)	25/35( 71.4)	13/17( 76.5)	6/ 8( 75.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.1516			
Prevalence method(d)	P = 0.0001**			
Combined analysis(d)	P < 0.0001**			
Cochran-Armitage test(e)	P = 0.0236*			
Fisher Exact test(e)		P = 0.0356*	P = 0.0225*	P = 0.0024**

STUDY No. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 4

Group Name	Control	100 ppm	500 ppm	2500 ppm
SITE : liver TUMOR : hepatocellular carcinoma				
Tumor rate				
Overall rates(a)	15/50( 30.0)	14/50( 28.0)	20/50( 40.0)	35/50( 70.0)
Adjusted rates(b)	33.33	32.56	54.17	95.00
Terminal rates(c)	11/35( 31.4)	10/35( 28.6)	9/17( 52.9)	7/ 8( 87.5)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.0237*			
Prevalence method(d)	P < 0.0001**			
Combined analysis(d)	P < 0.0001**			
Cochran-Armitage test(e)	P < 0.0001**			
Fisher Exact test(e)		P = 0.5000	P = 0.2009	P = 0.0001**
SITE : liver TUMOR : hepatoblastoma				
Tumor rate				
Overall rates(a)	1/50( 2.0)	6/50( 12.0)	35/50( 70.0)	44/50( 88.0)
Adjusted rates(b)	2.86	11.43	50.00	100.00
Terminal rates(c)	1/35( 2.9)	4/35( 11.4)	8/17( 47.1)	8/ 8(100.0)
Statistical analysis				
Peto test				
Standard method(d)	P < 0.0001**?			
Prevalence method(d)	P < 0.0001**?			
Combined analysis(d)	P < 0.0001**?			
Cochran-Armitage test(e)	P < 0.0001**			
Fisher Exact test(e)		P = 0.0559	P < 0.0001**	P < 0.0001**
SITE : liver TUMOR : hemangioma, hemangiosarcoma				
Tumor rate				
Overall rates(a)	6/50( 12.0)	6/50( 12.0)	1/50( 2.0)	2/50( 4.0)
Adjusted rates(b)	6.98	17.14	0.0	5.13
Terminal rates(c)	2/35( 5.7)	6/35( 17.1)	0/17( 0.0)	0/ 8( 0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.8140			
Prevalence method(d)	P = 0.5806			
Combined analysis(d)	P = 0.7500			
Cochran-Armitage test(e)	P = 0.1433			
Fisher Exact test(e)		P = 0.6202	P = 0.0559	P = 0.1343

STUDY No. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 5

Group Name	Control	100 ppm	500 ppm	2500 ppm
SITE : liver TUMOR : hepatocellular adenoma, hepatocellular carcinoma, hepatoblastoma				
Tumor rate				
Overall rates(a)	30/50( 60.0)	36/50( 72.0)	49/50( 98.0)	49/50( 98.0)
Adjusted rates(b)	72.22	80.56	100.00	100.00
Terminal rates(c)	25/35( 71.4)	28/35( 80.0)	17/17(100.0)	8/ 8(100.0)
Statistical analysis				
Peto test				
Standard method(d)	P < 0.0001**?			
Prevalence method(d)	P = 0.0002**			
Combined analysis(d)	P < 0.0001**			
Cochran-Armitage test(e)	P < 0.0001**			
Fisher Exact test(e)		P = 0.1456	P < 0.0001**	P < 0.0001**
SITE : Harderian gland TUMOR : adenoma				
Tumor rate				
Overall rates(a)	4/50( 8.0)	4/50( 8.0)	1/50( 2.0)	2/50( 4.0)
Adjusted rates(b)	11.11	11.43	4.00	5.13
Terminal rates(c)	3/35( 8.6)	4/35( 11.4)	0/17( 0.0)	0/ 8( 0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.4938			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.4217			
Fisher Exact test(e)		P = 0.6425	P = 0.1811	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 out comes can not 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. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 1

Group Name	Control	100 ppm	500 ppm	2500 ppm
SITE : ALL SITE TUMOR : hemangioma				
Tumor rate				
Overall rates(a)	5/50( 10.0)	6/50( 12.0)	1/50( 2.0)	2/50( 4.0)
Adjusted rates(b)	6.82	17.14	0.0	5.13
Terminal rates(c)	2/35( 5.7)	6/35( 17.1)	0/17( 0.0)	0/ 8( 0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.6977			
Prevalence method(d)	P = 0.5732			
Combined analysis(d)	P = 0.6908			
Cochran-Armitage test(e)	P = 0.1939			
Fisher Exact test(e)		P = 0.5000	P = 0.1022	P = 0.2180
SITE : ALL SITE TUMOR : histiocytic sarcoma				
Tumor rate				
Overall rates(a)	5/50( 10.0)	3/50( 6.0)	2/50( 4.0)	1/50( 2.0)
Adjusted rates(b)	0.0	2.86	2.56	6.25
Terminal rates(c)	0/35( 0.0)	1/35( 2.9)	0/17( 0.0)	0/ 8( 0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.9665			
Prevalence method(d)	P = 0.2086			
Combined analysis(d)	P = 0.8000			
Cochran-Armitage test(e)	P = 0.1481			
Fisher Exact test(e)		P = 0.3575	P = 0.2180	P = 0.1022
SITE : ALL SITE TUMOR : malignant lymphoma				
Tumor rate				
Overall rates(a)	5/50( 10.0)	8/50( 16.0)	4/50( 8.0)	1/50( 2.0)
Adjusted rates(b)	5.71	14.29	17.65	12.50
Terminal rates(c)	2/35( 5.7)	5/35( 14.3)	3/17( 17.6)	1/ 8( 12.5)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.9207			
Prevalence method(d)	P = 0.3204			
Combined analysis(d)	P = 0.7203			
Cochran-Armitage test(e)	P = 0.0349*			
Fisher Exact test(e)		P = 0.2768	P = 0.5000	P = 0.1022



STUDY No. : 0462  
 ANIMAL : MOUSE B6D2F1/CrJ[Crlj:BDF1]  
 SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 2

Group Name	Control	100 ppm	500 ppm	2500 ppm
SITE : ALL SITE TUMOR : hemangiosarcoma				
Tumor rate				
Overall rates(a)	3/50( 6.0)	3/50( 6.0)	4/50( 8.0)	2/50( 4.0)
Adjusted rates(b)	5.71	5.71	7.50	12.50
Terminal rates(c)	2/35( 5.7)	2/35( 5.7)	0/17( 0.0)	1/ 8( 12.5)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.5943			
Prevalence method(d)	P = 0.3740			
Combined analysis(d)	P = 0.4657			
Cochran-Armitage test(e)	P = 0.5568			
Fisher Exact test(e)		P = 0.6611	P = 0.5000	P = 0.5000

(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.

## APPENDIX O 2

### NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS : FEMALE

STUDY No. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
SEX : FEMALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 6

Group Name	Control	100 ppm	500 ppm	2500 ppm
SITE : lung TUMOR : bronchiolar-alveolar adenoma				
Tumor rate				
Overall rates(a)	4/50( 8.0)	4/50( 8.0)	0/50( 0.0)	0/50( 0.0)
Adjusted rates(b)	13.33	11.76	0.0	0.0
Terminal rates(c)	3/29( 10.3)	4/34( 11.8)	0/26( 0.0)	0/ 5( 0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.9725			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.0389*			
Fisher Exact test(e)		P = 0.6425	P = 0.0587	P = 0.0587
SITE : lung TUMOR : bronchiolar-alveolar carcinoma				
Tumor rate				
Overall rates(a)	3/50( 6.0)	4/50( 8.0)	3/50( 6.0)	0/50( 0.0)
Adjusted rates(b)	6.98	11.76	7.69	0.0
Terminal rates(c)	1/29( 3.4)	4/34( 11.8)	2/26( 7.7)	0/ 5( 0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.9427			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.0611			
Fisher Exact test(e)		P = 0.5000	P = 0.6611	P = 0.1212
SITE : lung TUMOR : bronchiolar-alveolar adenoma,bronchiolar-alveolar carcinoma				
Tumor rate				
Overall rates(a)	6/50( 12.0)	8/50( 16.0)	3/50( 6.0)	0/50( 0.0)
Adjusted rates(b)	15.15	23.53	7.69	0.0
Terminal rates(c)	3/29( 10.3)	8/34( 23.5)	2/26( 7.7)	0/ 5( 0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.9897			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.0065**			
Fisher Exact test(e)		P = 0.3871	P = 0.2435	P = 0.0133*

STUDY No. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDP1]  
 SEX : FEMALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 7

Group Name	Control	100 ppm	500 ppm	2500 ppm
SITE : lymph node TUMOR : malignant lymphoma				
Tumor rate				
Overall rates(a)	16/50( 32.0)	17/50( 34.0)	17/50( 34.0)	3/50( 6.0)
Adjusted rates(b)	27.59	29.41	30.77	5.00
Terminal rates(c)	8/29( 27.6)	10/34( 29.4)	8/26( 30.8)	0/ 5( 0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.8359			
Prevalence method(d)	P = 0.8616			
Combined analysis(d)	P = 0.9314			
Cochran-Armitage test(e)	P = 0.0002**			
Fisher Exact test(e)		P = 0.5000	P = 0.5000	P = 0.0008**
SITE : spleen TUMOR : malignant lymphoma				
Tumor rate				
Overall rates(a)	2/50( 4.0)	3/50( 6.0)	3/50( 6.0)	0/50( 0.0)
Adjusted rates(b)	6.90	5.88	11.54	0.0
Terminal rates(c)	2/29( 6.9)	2/34( 5.9)	3/26( 11.5)	0/ 5( 0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.4352			
Prevalence method(d)	P = 0.5308			
Combined analysis(d)	P = 0.6224			
Cochran-Armitage test(e)	P = 0.1172			
Fisher Exact test(e)		P = 0.5000	P = 0.5000	P = 0.2475
SITE : liver TUMOR : hepatocellular adenoma				
Tumor rate				
Overall rates(a)	8/50( 16.0)	22/50( 44.0)	48/50( 96.0)	38/50( 76.0)
Adjusted rates(b)	25.81	57.14	96.55	80.00
Terminal rates(c)	7/29( 24.1)	19/34( 55.9)	25/26( 96.2)	4/ 5( 80.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P < 0.0001**			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P < 0.0001**			
Fisher Exact test(e)		P = 0.0021**	P < 0.0001**	P < 0.0001**

STUDY No. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
SEX : FEMALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 8

Group Name	Control	100 ppm	500 ppm	2500 ppm
SITE : liver TUMOR : hepatocellular carcinoma				
Tumor rate				
Overall rates(a)	0/50( 0.0)	3/50( 6.0)	14/50( 28.0)	48/50( 96.0)
Adjusted rates(b)	0.0	6.98	34.62	100.00
Terminal rates(c)	0/29( 0.0)	2/34( 5.9)	9/26( 34.6)	5/ 5(100.0)
Statistical analysis				
Peto test				
Standard method(d)	P < 0.0001**?			
Prevalence method(d)	P < 0.0001**?			
Combined analysis(d)	P < 0.0001**?			
Cochran-Armitage test(e)	P < 0.0001**			
Fisher Exact test(e)		P = 0.1212	P < 0.0001**	P < 0.0001**
SITE : liver TUMOR : hepatoblastoma				
Tumor rate				
Overall rates(a)	0/50( 0.0)	0/50( 0.0)	9/50( 18.0)	28/50( 56.0)
Adjusted rates(b)	0.0	0.0	11.54	44.44
Terminal rates(c)	0/29( 0.0)	0/34( 0.0)	3/26( 11.5)	1/ 5( 20.0)
Statistical analysis				
Peto test				
Standard method(d)	P < 0.0001**?			
Prevalence method(d)	P < 0.0001**?			
Combined analysis(d)	P < 0.0001**?			
Cochran-Armitage test(e)	P < 0.0001**			
Fisher Exact test(e)		P = N.C.	P = 0.0013**	P < 0.0001**
SITE : liver TUMOR : hepatocellular adenoma, hepatocellular carcinoma, hepatoblastoma				
Tumor rate				
Overall rates(a)	8/50( 16.0)	24/50( 48.0)	50/50(100.0)	50/50(100.0)
Adjusted rates(b)	25.81	60.00	100.00	100.00
Terminal rates(c)	7/29( 24.1)	20/34( 58.8)	26/26(100.0)	5/ 5(100.0)
Statistical analysis				
Peto test				
Standard method(d)	P < 0.0001**?			
Prevalence method(d)	P < 0.0001**?			
Combined analysis(d)	P < 0.0001**			
Cochran-Armitage test(e)	P < 0.0001**			
Fisher Exact test(e)		P = 0.0006**	P < 0.0001**	P < 0.0001**

STUDY No. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
SEX : FEMALE

NEOPLASTIC LESIONS—INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 9

Group Name	Control	100 ppm	500 ppm	2500 ppm
SITE : pituitary gland TUMOR : adenoma				
Tumor rate				
Overall rates(a)	4/49( 8.2)	6/50( 12.0)	2/50( 4.0)	0/50( 0.0)
Adjusted rates(b)	12.50	17.65	7.41	0.0
Terminal rates(c)	3/28( 10.7)	6/34( 17.6)	1/26( 3.8)	0/ 5( 0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.9566			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.0230*			
Fisher Exact test(e)		P = 0.3833	P = 0.3292	P = 0.0563
SITE : uterus TUMOR : histiocytic sarcoma				
Tumor rate				
Overall rates(a)	15/50( 30.0)	8/50( 16.0)	12/50( 24.0)	6/50( 12.0)
Adjusted rates(b)	20.69	8.82	15.38	14.29
Terminal rates(c)	6/29( 20.7)	3/34( 8.8)	4/26( 15.4)	0/ 5( 0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.7367			
Prevalence method(d)	P = 0.2686			
Combined analysis(d)	P = 0.5944			
Cochran-Armitage test(e)	P = 0.0847			
Fisher Exact test(e)		P = 0.0765	P = 0.3264	P = 0.0239*

(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. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[BDF1]  
 SEX : FEMALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 3

Group Name	Control	100 ppm	500 ppm	2500 ppm
SITE : ALL SITE TUMOR : hemangioma				
Tumor rate				
Overall rates(a)	3/50( 6.0)	3/50( 6.0)	3/50( 6.0)	2/50( 4.0)
Adjusted rates(b)	3.45	7.14	5.13	4.55
Terminal rates(c)	1/29( 3.4)	2/34( 5.9)	1/26( 3.8)	0/ 5( 0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.7411			
Prevalence method(d)	P = 0.4221			
Combined analysis(d)	P = 0.5719			
Cochran-Armitage test(e)	P = 0.5975			
Fisher Exact test(e)		P = 0.6611	P = 0.6611	P = 0.5000
SITE : ALL SITE TUMOR : histiocytic sarcoma				
Tumor rate				
Overall rates(a)	17/50( 34.0)	11/50( 22.0)	13/50( 26.0)	8/50( 16.0)
Adjusted rates(b)	20.69	17.65	15.38	14.29
Terminal rates(c)	6/29( 20.7)	6/34( 17.6)	4/26( 15.4)	0/ 5( 0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.6661			
Prevalence method(d)	P = 0.2533			
Combined analysis(d)	P = 0.5087			
Cochran-Armitage test(e)	P = 0.0923			
Fisher Exact test(e)		P = 0.1327	P = 0.2565	P = 0.0317*

(HPT360A)

BAIS4

STUDY No. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 SEX : FEMALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 4

Group Name	Control	100 ppm	500 ppm	2500 ppm
SITE : ALL SITE				
TUMOR : malignant lymphoma				
Tumor rate				
Overall rates(a)	18/50( 35.0)	20/50( 40.0)	20/50( 40.0)	3/50( 6.0)
Adjusted rates(b)	34.48	35.29	42.31	5.00
Terminal rates(c)	10/29( 34.5)	12/34( 35.3)	11/26( 42.3)	0/ 5( 0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.8538			
Prevalence method(d)	P = 0.8861			
Combined analysis(d)	P = 0.9477			
Cochran-Armitage test(e)	P < 0.0001**			
Fisher Exact test(e)		P = 0.4185	P = 0.4185	P = 0.0002**

(HPT360A)

BATS4

- (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.



## APPENDIX P 1

HISTOPATHOLOGICAL FINDINGS: METASTASIS OF TUMOR:

MALE : ALL ANIMALS

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : MALE

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

PAGE : 1

		Group Name	Control	100 ppm	500 ppm	2500 ppm
		No. of Animals on Study	50	50	50	50
Organ	Findings					
{Integumentary system/appandage}						
skin/app	leukemic cell infiltration		<50> 0	<50> 1	<50> 0	<50> 0
{Respiratory system}						
larynx	leukemic cell infiltration		<50> 1	<50> 0	<50> 0	<50> 0
trachea	leukemic cell infiltration		<50> 0	<50> 1	<50> 0	<50> 0
lung	leukemic cell infiltration		<50> 2	<50> 2	<50> 1	<50> 0
	metastasis:liver tumor		6	1	8	20
	metastasis:spleen tumor		0	1	0	0
	metastasis:salivary gland tumor		1	0	0	0
{Hematopoietic system}						
bone marrow	leukemic cell infiltration		<50> 0	<50> 3	<50> 1	<50> 0
	metastasis:liver tumor		1	0	0	0
	metastasis:spleen tumor		0	1	0	0
	metastasis:salivary gland tumor		1	0	0	0
lymph node	metastasis:liver tumor		<50> 1	<50> 0	<50> 1	<50> 0
< a >      a : Number of animals examined at the site b            b : Number of animals with lesion						

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 2

Group Name No. of Animals on Study		Control 50	100 ppm 50	500 ppm 50	2500 ppm 50
Organ	Findings				
(Hematopoietic system)					
lymph node	metastasis:pancreas tumor	<50> 0	<50> 0	<50> 1	<50> 0
spleen	leukemic cell infiltration	<50> 4	<50> 5	<50> 4	<50> 0
(Circulatory system)					
heart	leukemic cell infiltration	<50> 3	<50> 1	<50> 0	<50> 0
(Digestive system)					
tongue	leukemic cell infiltration	<50> 1	<50> 1	<50> 0	<50> 0
salivary gl	leukemic cell infiltration	<50> 1	<50> 2	<50> 0	<50> 0
	metastasis:liver tumor	1	0	0	0
stomach	leukemic cell infiltration	<50> 0	<50> 1	<50> 0	<50> 0
small intes	leukemic cell infiltration	<50> 0	<50> 0	<50> 0	<50> 1
large intes	metastasis:liver tumor	<50> 1	<50> 0	<50> 0	<50> 0
liver	leukemic cell infiltration	<50> 3	<50> 3	<50> 1	<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					

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crlj: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	100 ppm 50	500 ppm 50	2500 ppm 50
{Digestive system}						
liver	metastasis:spleen tumor		<50> 0	<50> 2	<50> 0	<50> 0
	metastasis:epididymis tumor		1	0	0	0
	metastasis:kidney tumor		0	0	1	0
	metastasis:salivary gland tumor		1	0	0	0
pancreas	leukemic cell infiltration		<50> 0	<50> 4	<50> 0	<50> 0
	metastasis:epididymis tumor		0	1	0	0
{Urinary system}						
kidney	leukemic cell infiltration		<50> 2	<50> 2	<50> 2	<50> 0
	metastasis:liver tumor		1	0	0	0
	metastasis:salivary gland tumor		1	0	0	0
urin bladd	leukemic cell infiltration		<49> 0	<50> 1	<50> 1	<50> 0
{Endocrine system}						
thyroid	leukemic cell infiltration		<50> 2	<50> 1	<50> 0	<50> 0
{Reproductive system}						
semin ves	leukemic cell infiltration		<50> 1	<50> 0	<50> 0	<50> 0

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

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 4

Organ	Findings	Group Name No. of Animals on Study	Control 50	100 ppm 50	500 ppm 50	2500 ppm 50
{Reproductive system}						
semin ves			<50>	<50>	<50>	<50>
	metastasis:liver tumor		0	0	1	0
mammary gl			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	2	0	0
{Special sense organs/appendage}						
Harder gl			<50>	<50>	<50>	<50>
	leukemic cell infiltration		1	1	0	0
{Body cavities}						
peritoneum			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	1	0	0
	metastasis:liver tumor		0	0	2	2
< a >	a : Number of animals examined at the site					
b	b : Number of animals with lesion					

(JPT150)

BAIS4

## APPENDIX P 2

HISTOPATHOLOGICAL FINDINGS: METASTASIS OF TUMOR:  
MALE : DEAD AND MORIBUND ANIMALS

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)  
 DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 1

		Group Name No. of Animals on Study	Control 15	100 ppm 15	500 ppm 33	2500 ppm 42
Organ	Findings					
{Respiratory system}						
larynx			<15>	<15>	<33>	<42>
	leukemic cell infiltration		1	0	0	0
lung			<15>	<15>	<33>	<42>
	leukemic cell infiltration		2	0	1	0
	metastasis:liver tumor		3	0	6	16
	metastasis:spleen tumor		0	1	0	0
	metastasis:salivary gland tumor		1	0	0	0
{Hematopoietic system}						
bone marrow			<15>	<15>	<33>	<42>
	metastasis:liver tumor		1	0	0	0
	metastasis:spleen tumor		0	1	0	0
	metastasis:salivary gland tumor		1	0	0	0
lymph node			<15>	<15>	<33>	<42>
	metastasis:liver tumor		1	0	1	0
	metastasis:pancreas tumor		0	0	1	0
spleen			<15>	<15>	<33>	<42>
	leukemic cell infiltration		2	2	1	0
{Circulatory system}						
heart			<15>	<15>	<33>	<42>
	leukemic cell infiltration		2	0	0	0
< a >	a : Number of animals examined at the site					
b	b : Number of animals with lesion					

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : MALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)  
DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 2

Group Name		Control	100 ppm	500 ppm	2500 ppm
No. of Animals on Study		15	15	33	42
Organ	Findings				
{Digestive system}					
salivary gl		<15>	<15>	<33>	<42>
	metastasis:liver tumor	1	0	0	0
stomach		<15>	<15>	<33>	<42>
	leukemic cell infiltration	0	1	0	0
large intes		<15>	<15>	<33>	<42>
	metastasis:liver tumor	1	0	0	0
liver		<15>	<15>	<33>	<42>
	leukemic cell infiltration	2	1	1	0
	metastasis:subcutis tumor	1	0	0	0
	metastasis:spleen tumor	0	2	0	0
	metastasis:epididymis tumor	1	0	0	0
	metastasis:kidney tumor	0	0	1	0
	metastasis:salivary gland tumor	1	0	0	0
pancreas		<15>	<15>	<33>	<42>
	leukemic cell infiltration	0	3	0	0
	metastasis:epididymis tumor	0	1	0	0
{Urinary system}					
kidney		<15>	<15>	<33>	<42>
	leukemic cell infiltration	2	0	1	0
	metastasis:liver tumor	1	0	0	0
	metastasis:salivary gland tumor	1	0	0	0
< a > a : Number of animals examined at the site b b : Number of animals with lesion					



STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)  
 DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 3

Organ	Findings	Group Name No. of Animals on Study	Control 15	100 ppm 15	500 ppm 33	2500 ppm 42
{Urinary system}						
urin bladd	leukemic cell infiltration		<15> 0	<15> 0	<33> 1	<42> 0
{Endocrine system}						
thyroid	leukemic cell infiltration		<15> 1	<15> 0	<33> 0	<42> 0
{Reproductive system}						
semin ves	leukemic cell infiltration		<15> 1	<15> 0	<33> 0	<42> 0
	metastasis:liver tumor		0	0	1	0
mammary gl	leukemic cell infiltration		<15> 0	<15> 1	<33> 0	<42> 0
{Special sense organs/appendage}						
Harder gl	leukemic cell infiltration		<15> 1	<15> 0	<33> 0	<42> 0
{Body cavities}						
peritoneum	leukemic cell infiltration		<15> 0	<15> 1	<33> 0	<42> 0
	metastasis:liver tumor		0	0	2	2
< a > a : Number of animals examined at the site b b : Number of animals with lesion						

## APPENDIX P 3

HISTOPATHOLOGICAL FINDINGS: METASTASIS OF TUMOR:  
MALE : SACRIFICED ANIMALS

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)  
 SACRIFICED ANIMALS (105W)

PAGE : 1

Organ	Findings	Group Name No. of Animals on Study	Control 35	100 ppm 35	500 ppm 17	2500 ppm 8
{Integumentary system/appendage}						
skin/app	leukemic cell infiltration		<35> 0	<35> 1	<17> 0	< 8> 0
{Respiratory system}						
trachea	leukemic cell infiltration		<35> 0	<35> 1	<17> 0	< 8> 0
lung	leukemic cell infiltration		<35> 0	<35> 2	<17> 0	< 8> 0
	metastasis:liver tumor		3	1	2	4
{Hematopoietic system}						
bone marrow	leukemic cell infiltration		<35> 0	<35> 3	<17> 1	< 8> 0
spleen	leukemic cell infiltration		<35> 2	<35> 3	<17> 3	< 8> 0
{Circulatory system}						
heart	leukemic cell infiltration		<35> 1	<35> 1	<17> 0	< 8> 0
{Digestive system}						
tongue	leukemic cell infiltration		<35> 1	<35> 1	<17> 0	< 8> 0
salivary gl	leukemic cell infiltration		<35> 1	<35> 2	<17> 0	< 8> 0
< a >	a : Number of animals examined at the site					
b	b : Number of animals with lesion					

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Cri:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)  
 SACRIFICED ANIMALS (105W)

PAGE : 2

Organ	Findings	Group Name No. of Animals on Study	Control 35	100 ppm 35	500 ppm 17	2500 ppm 8
{Digestive system}						
small intes	leukemic cell infiltration		<35> 0	<35> 0	<17> 0	< 8> 1
liver	leukemic cell infiltration		<35> 1	<35> 2	<17> 0	< 8> 0
pancreas	leukemic cell infiltration		<35> 0	<35> 1	<17> 0	< 8> 0
{Urinary system}						
kidney	leukemic cell infiltration		<35> 0	<35> 2	<17> 1	< 8> 0
urin bladd	leukemic cell infiltration		<34> 0	<35> 1	<17> 0	< 8> 0
{Endocrine system}						
thyroid	leukemic cell infiltration		<35> 1	<35> 1	<17> 0	< 8> 0
{Reproductive system}						
mammary gl	leukemic cell infiltration		<35> 0	<35> 1	<17> 0	< 8> 0
{Special sense organs/appendage}						
Harder gl	leukemic cell infiltration		<35> 0	<35> 1	<17> 0	< 8> 0

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

## APPENDIX P 4

HISTOPATHOLOGICAL FINDINGS: METASTASIS OF TUMOR:

FEMALE : ALL ANIMALS

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Crlj[Cri:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 5

Group Name		Control	100 ppm	500 ppm	2500 ppm
No. of Animals on Study		50	50	50	50
Organ	Findings				
{Integumentary system/appandage}					
skin/app		<50>	<50>	<50>	<50>
	leukemic cell infiltration	0	2	0	0
subcutis		<50>	<50>	<50>	<50>
	leukemic cell infiltration	1	0	0	0
{Respiratory system}					
nasal cavit		<50>	<50>	<50>	<50>
	metastasis:uterus tumor	0	0	1	0
trachea		<50>	<50>	<50>	<50>
	leukemic cell infiltration	2	0	0	0
lung		<50>	<50>	<50>	<50>
	leukemic cell infiltration	10	11	10	2
	metastasis:liver tumor	0	1	2	30
	metastasis:uterus tumor	8	4	5	3
	metastasis:subcutis tumor	0	0	1	0
{Hematopoietic system}					
bone marrow		<50>	<50>	<50>	<50>
	leukemic cell infiltration	3	8	3	0
	metastasis:liver tumor	0	0	0	2
	metastasis:uterus tumor	3	2	1	0
	metastasis:subcutis tumor	0	0	1	0
< a >	a : Number of animals examined at the site				
b	b : Number of animals with lesion				

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Cri: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	100 ppm 50	500 ppm 50	2500 ppm 50
{Hematopoietic system}						
lymph node	leukemic cell infiltration		<50> 0	<50> 0	<50> 1	<50> 0
	metastasis:uterus tumor		2	0	0	0
spleen	leukemic cell infiltration		<50> 8	<50> 12	<50> 7	<50> 2
	metastasis:liver tumor		0	0	0	1
	metastasis:uterus tumor		0	1	0	0
	metastasis:lymph node tumor		1	0	0	0
{Circulatory system}						
heart	leukemic cell infiltration		<50> 5	<50> 4	<50> 3	<50> 1
{Digestive system}						
tongue	leukemic cell infiltration		<50> 1	<50> 1	<50> 0	<50> 0
salivary gl	leukemic cell infiltration		<50> 2	<50> 5	<50> 7	<50> 0
	metastasis:lymph node tumor		0	0	0	1
stomach	leukemic cell infiltration		<50> 1	<50> 3	<50> 4	<50> 0
	metastasis:lymph node tumor		1	0	0	0
< a >	a : Number of animals examined at the site					
b	b : Number of animals with lesion					

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj: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	100 ppm 50	500 ppm 50	2500 ppm 50
{Digestive system}						
small intes			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	1	1	0
	metastasis:uterus tumor		0	0	2	0
liver			<50>	<50>	<50>	<50>
	leukemic cell infiltration		10	10	12	1
	metastasis:uterus tumor		9	5	7	4
	metastasis:peritoneum tumor		0	1	0	0
	metastasis:subcutis tumor		0	0	1	0
	metastasis:lymph node tumor		1	0	0	0
gall bladd			<50>	<50>	<50>	<50>
	leukemic cell infiltration		1	0	1	0
pancreas			<50>	<50>	<50>	<50>
	leukemic cell infiltration		2	3	5	0
	metastasis:liver tumor		0	0	0	2
	metastasis:uterus tumor		1	2	1	1
	metastasis:peritoneum tumor		0	1	0	0
{Urinary system}						
kidney			<50>	<50>	<50>	<50>
	leukemic cell infiltration		6	7	9	1
	metastasis:uterus tumor		3	2	1	1

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



STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Cri:BDF1]  
REPORT TYPE : A1  
SEX : FEMALE

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

PAGE : 8

Group Name No. of Animals on Study		Control 50	100 ppm 50	500 ppm 50	2500 ppm 50
Organ	Findings				
(Urinary system)					
urin bladd		<50>	<50>	<50>	<50>
	leukemic cell infiltration	2	4	4	0
	metastasis:uterus tumor	0	0	1	0
(Endocrine system)					
thyroid		<50>	<50>	<50>	<50>
	leukemic cell infiltration	2	1	1	0
(Reproductive system)					
ovary		<50>	<50>	<50>	<50>
	leukemic cell infiltration	5	5	6	0
	metastasis:liver tumor	0	0	0	1
	metastasis:uterus tumor	7	3	6	2
	metastasis:peritoneum tumor	0	1	0	0
uterus		<50>	<50>	<50>	<50>
	leukemic cell infiltration	3	1	4	1
vagina		<50>	<50>	<50>	<50>
	leukemic cell infiltration	2	3	1	0
	metastasis:uterus tumor	2	0	0	1
mammary gl		<50>	<50>	<50>	<50>
	leukemic cell infiltration	0	1	0	0
(Nervous system)					
brain		<50>	<50>	<50>	<50>
	leukemic cell infiltration	0	2	1	0

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

STUDY NO. : 0462  
 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	100 ppm 50	500 ppm 50	2500 ppm 50
{Nervous system}						
brain			<50>	<50>	<50>	<50>
	metastasis:peripheral nerve tumor		1	0	0	0
spinal cord			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	2	0	0
{Special sense organs/appendage}						
Harder gl			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	0	2	0
	metastasis:liver tumor		0	0	0	1
{Musculoskeletal system}						
muscle			<50>	<50>	<50>	<50>
	leukemic cell infiltration		1	1	2	0
bone			<50>	<50>	<50>	<50>
	metastasis:lung tumor		0	0	1	0
{Body cavities}						
mediastinum			<50>	<50>	<50>	<50>
	leukemic cell infiltration		2	2	0	0
	metastasis:lung tumor		0	0	1	0
peritoneum			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	3	0	0
retroperit			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	1	0	0
< a > a : Number of animals examined at the site b b : Number of animals with lesion						

## APPENDIX P 5

HISTOPATHOLOGICAL FINDINGS: METASTASIS OF TUMOR:  
FEMALE : DEAD AND MORIBUND ANIMALS

STUDY NO. : 04G2  
 ANIMAL : MOUSE B6D2F1/Cr1j[Cri:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)  
 DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 4

Organ	Findings	Group Name No. of Animals on Study	Control 21	100 ppm 16	500 ppm 24	2500 ppm 45
{Integumentary system/appandage}						
skin/app	leukemic cell infiltration		<21> 0	<16> 1	<24> 0	<45> 0
subcutis	leukemic cell infiltration		<21> 1	<16> 0	<24> 0	<45> 0
{Respiratory system}						
nasal cavit	metastasis:uterus tumor		<21> 0	<16> 0	<24> 1	<45> 0
trachea	leukemic cell infiltration		<21> 1	<16> 0	<24> 0	<45> 0
lung	leukemic cell infiltration		<21> 6	<16> 5	<24> 6	<45> 2
	metastasis:liver tumor		0	1	1	26
	metastasis:uterus tumor		8	4	5	3
	metastasis:subcutis tumor		0	0	1	0
{Hematopoietic system}						
bone marrow	leukemic cell infiltration		<21> 2	<16> 4	<24> 1	<45> 0
	metastasis:liver tumor		0	0	0	2
	metastasis:uterus tumor		3	2	1	0
	metastasis:subcutis tumor		0	0	1	0
< a >	a : Number of animals examined at the site					
b	b : Number of animals with lesion					

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)  
DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 5

Group Name No. of Animals on Study		Control 21	100 ppm 16	500 ppm 24	2500 ppm 45
Organ	Findings				
{Hematopoietic system}					
lymph node		<21>	<16>	<24>	<45>
	metastasis:uterus tumor	2	0	0	0
spleen		<21>	<16>	<24>	<45>
	leukemic cell infiltration	5	6	3	2
	metastasis:liver tumor	0	0	0	1
	metastasis:uterus tumor	0	1	0	0
	metastasis:lymph node tumor	1	0	0	0
{Circulatory system}					
heart		<21>	<16>	<24>	<45>
	leukemic cell infiltration	2	2	2	1
{Digestive system}					
tongue		<21>	<16>	<24>	<45>
	leukemic cell infiltration	0	1	0	0
salivary gl		<21>	<16>	<24>	<45>
	leukemic cell infiltration	0	2	3	0
	metastasis:lymph node tumor	0	0	0	1
stomach		<21>	<16>	<24>	<45>
	leukemic cell infiltration	1	2	4	0
	metastasis:lymph node tumor	1	0	0	0
small intes		<21>	<16>	<24>	<45>
	leukemic cell infiltration	0	1	0	0

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

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)  
DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 6

Group Name		Control	100 ppm	500 ppm	2500 ppm
No. of Animals on Study		21	16	24	45
Organ	Findings				
{Digestive system}					
small intes		<21>	<16>	<24>	<45>
	metastasis:uterus tumor	0	0	1	0
liver	leukemic cell infiltration	<21>	<16>	<24>	<45>
		7	6	6	1
	metastasis:uterus tumor	9	4	7	4
	metastasis:subcutis tumor	0	0	1	0
gall bladd	metastasis:lymph node tumor	1	0	0	0
	leukemic cell infiltration	<21>	<16>	<24>	<45>
		1	0	1	0
	leukemic cell infiltration	<21>	<16>	<24>	<45>
		2	1	2	0
pancreas	metastasis:liver tumor	0	0	0	2
	metastasis:uterus tumor	1	2	1	1
{Urinary system}					
kidney	leukemic cell infiltration	<21>	<16>	<24>	<45>
		4	4	3	1
urin bladd	metastasis:uterus tumor	3	2	1	1
	leukemic cell infiltration	<21>	<16>	<24>	<45>
		2	2	3	0
	metastasis:uterus tumor	0	0	1	0
{Endocrine system}					
thyroid	leukemic cell infiltration	<21>	<16>	<24>	<45>
		0	0	1	0

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

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)  
 DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 7

		Group Name No. of Animals on Study	Control 21	100 ppm 16	500 ppm 24	2500 ppm 45
Organ	Findings					
{Reproductive system}						
ovary			<21>	<16>	<24>	<45>
	leukemic cell infiltration		5	3	5	0
	metastasis:liver tumor		0	0	0	1
	metastasis:uterus tumor		7	3	5	2
uterus			<21>	<16>	<24>	<45>
	leukemic cell infiltration		3	1	3	1
vagina			<21>	<16>	<24>	<45>
	leukemic cell infiltration		2	2	1	0
	metastasis:uterus tumor		2	0	0	1
mammary gl			<21>	<16>	<24>	<45>
	leukemic cell infiltration		0	1	0	0
{Nervous system}						
brain			<21>	<16>	<24>	<45>
	leukemic cell infiltration		0	2	1	0
	metastasis:peripheral nerve tumor		1	0	0	0
spinal cord			<21>	<16>	<24>	<45>
	leukemic cell infiltration		0	2	0	0
{Special sense organs/appendage}						
Harder gl			<21>	<16>	<24>	<45>
	leukemic cell infiltration		0	0	2	0
	metastasis:liver tumor		0	0	0	1

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

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)  
DEAD AND MORIBUND ANIMALS (0-105W)

PAGE : 8

		Group Name	Control	100 ppm	500 ppm	2500 ppm
		No. of Animals on Study	21	16	24	45
Organ	Findings					
{Musculoskeletal system}						
muscle			<21>	<16>	<24>	<45>
	leukemic cell infiltration		0	1	2	0
{Body cavities}						
mediastinum			<21>	<16>	<24>	<45>
	leukemic cell infiltration		1	1	0	0
peritoneum			<21>	<16>	<24>	<45>
	leukemic cell infiltration		0	1	0	0
retroperit			<21>	<16>	<24>	<45>
	leukemic cell infiltration		0	1	0	0
< a >	a : Number of animals examined at the site					
b	b : Number of animals with lesion					

(JPT150)

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## APPENDIX P 6

HISTOPATHOLOGICAL FINDINGS: METASTASIS OF TUMOR:  
FEMALE : SACRIFICED ANIMALS

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)  
 SACRIFICED ANIMALS (105W)

PAGE : 3

Organ	Findings	Group Name No. of Animals on Study	Control 29	100 ppm 34	500 ppm 26	2500 ppm 5
{Integumentary system/appandage}						
skin/app	leukemic cell infiltration		<29> 0	<34> 1	<26> 0	< 5> 0
{Respiratory system}						
trachea	leukemic cell infiltration		<29> 1	<34> 0	<26> 0	< 5> 0
lung	leukemic cell infiltration		<29> 4	<34> 6	<26> 4	< 5> 0
	metastasis:liver tumor		0	0	1	4
{Hematopoietic system}						
bone marrow	leukemic cell infiltration		<29> 1	<34> 4	<26> 2	< 5> 0
lymph node	leukemic cell infiltration		<29> 0	<34> 0	<26> 1	< 5> 0
spleen	leukemic cell infiltration		<29> 3	<34> 6	<26> 4	< 5> 0
{Circulatory system}						
heart	leukemic cell infiltration		<29> 3	<34> 2	<26> 1	< 5> 0
{Digestive system}						
tongue	leukemic cell infiltration		<29> 1	<34> 0	<26> 0	< 5> 0

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

STUDY NO. : 0462  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)  
 SACRIFICED ANIMALS (105W)

PAGE : 4

Group Name No. of Animals on Study		Control 29	100 ppm 34	500 ppm 26	2500 ppm 5
Organ	Findings				
{Digestive system}					
salivary gl		<29>	<34>	<26>	< 5>
	leukemic cell infiltration	2	3	4	0
stomach		<29>	<34>	<26>	< 5>
	leukemic cell infiltration	0	1	0	0
small intes		<29>	<34>	<26>	< 5>
	leukemic cell infiltration	0	0	1	0
	metastasis:uterus tumor	0	0	1	0
liver		<29>	<34>	<26>	< 5>
	leukemic cell infiltration	3	4	6	0
	metastasis:uterus tumor	0	1	0	0
pancreas		<29>	<34>	<26>	< 5>
	leukemic cell infiltration	0	2	3	0
	metastasis:peritoneum tumor	0	1	0	0
{Urinary system}					
kidney		<29>	<34>	<26>	< 5>
	leukemic cell infiltration	2	3	6	0
urin bladd		<29>	<34>	<26>	< 5>
	leukemic cell infiltration	0	2	1	0
{Endocrine system}					
thyroid		<29>	<34>	<26>	< 5>
	leukemic cell infiltration	2	1	0	0
< a >	a : Number of animals examined at the site				
b	b : Number of animals with lesion				

STUDY NO. : 0462  
ANIMAL : MOUSE B6D2F1/Crlj[Crlj:BDF1]  
REPORT TYPE : A1  
SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)  
SACRIFICED ANIMALS (105W)

PAGE : 5

Organ	Findings	Group Name No. of Animals on Study	Control 29	100 ppm 34	500 ppm 26	2500 ppm 5
{Reproductive system}						
ovary			<29>	<34>	<26>	< 5>
	leukemic cell infiltration		0	2	1	0
	metastasis:uterus tumor		0	0	1	0
	metastasis:peritoneum tumor		0	1	0	0
uterus			<29>	<34>	<26>	< 5>
	leukemic cell infiltration		0	0	1	0
vagina			<29>	<34>	<26>	< 5>
	leukemic cell infiltration		0	1	0	0
{Musculoskeletal system}						
muscle			<29>	<34>	<26>	< 5>
	leukemic cell infiltration		1	0	0	0
bone			<29>	<34>	<26>	< 5>
	metastasis:lung tumor		0	0	1	0
{Body cavities}						
mediastinum			<29>	<34>	<26>	< 5>
	leukemic cell infiltration		1	1	0	0
	metastasis:lung tumor		0	0	1	0
peritoneum			<29>	<34>	<26>	< 5>
	leukemic cell infiltration		0	2	0	0
< a >	a : Number of animals examined at the site					
b	b : Number of animals with lesion					

## APPENDIX Q

METHODS, UNITS AND DECIMAL PLACE FOR  
HEMATOLOGY AND BIOCHEMISTRY IN THE 2-YEAR  
FEED STUDY OF 1-CHLORO-2-NITROBENZENE

METHODS, UNITS AND DECIMAL PLACE FOR HEMATOLOGY AND BIOCHEMISTRY  
IN THE 2-YEAR FEED STUDY OF 1-CHLORO-2-NITROBENZENE

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