

酢酸イソプロピルのマウスを用いた  
吸入によるがん原性試験報告書

試験番号：0611

# TABLES

## TABLES

TABLE A      CONCENTRATIONS OF ISOPROPYLACETATE IN THE  
                 INHALATION CHAMBER OF THE 2-YEAR INHALATION STUDY

TABLE B 1    SURVIVAL ANIMAL NUMBERS: MALE

TABLE B 2    SURVIVAL ANIMAL NUMBERS: FEMALE

TABLE C 1    CLINICAL OBSERVATION: MALE

TABLE C 2    CLINICAL OBSERVATION: FEMALE

TABLE D 1    BODY WEIGHT CHANGES AND SURVIVAL ANIMAL NUMBERS  
                 : MALE

TABLE D 2    BODY WEIGHT CHANGES AND SURVIVAL ANIMAL NUMBERS  
                 : FEMALE

TABLE D 3    BODY WEIGHT CHANGES: MALE

TABLE D 4    BODY WEIGHT CHANGES: FEMALE

TABLE E 1    FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL  
                 NUMBERS: MALE

TABLE E 2    FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL  
                 NUMBERS: FEMALE

TABLE E 3    FOOD CONSUMPTION CHANGES: MALE

TABLE E 4    FOOD CONSUMPTION CHANGES: FEMALE

TABLE F 1    HEMATOLOGY: MALE

TABLE F 2    HEMATOLOGY: FEMALE

TABLE G 1    BIOCHEMISTRY: MALE

TABLE G 2    BIOCHEMISTRY: FEMALE

## TABLES (CONTINUED)

TABLE H 1 URINALYSIS: MALE

TABLE H 2 URINALYSIS: FEMALE

TABLE I 1 GROSS FINDINGS: MALE: ALL ANIMALS

TABLE I 2 GROSS FINDINGS: MALE: DEAD AND MORIBUND ANIMALS

TABLE I 3 GROSS FINDINGS: MALE: SACRIFICED ANIMALS

TABLE I 4 GROSS FINDINGS: FEMALE: ALL ANIMALS

TABLE I 5 GROSS FINDINGS: FEMALE: DEAD AND MORIBUND ANIMALS

TABLE I 6 GROSS FINDINGS: FEMALE: SACRIFICED ANIMALS

TABLE J 1 ORGAN WEIGHT, ABSOLUTE: MALE

TABLE J 2 ORGAN WEIGHT, ABSOLUTE: FEMALE

TABLE K 1 ORGAN WEIGHT, RELATIVE: MALE

TABLE K 2 ORGAN WEIGHT, RELATIVE: FEMALE

TABLE L 1 HISTOPATHOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS  
: MALE: ALL ANIMALS

TABLE L 2 HISTOPATHOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS  
: MALE: DEAD AND MORIBUND ANIMALS

TABLE L 3 HISTOPATHOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS  
: MALE: SACRIFICED ANIMALS

TABLE L 4 HISTOPATHOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS  
: FEMALE: ALL ANIMALS

TABLE L 5 HISTOPATHOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS  
: FEMALE: DEAD AND MORIBUND ANIMALS

TABLE L 6 HISTOPATHOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS  
: FEMALE: SACRIFICED ANIMALS

## TABLES (CONTINUED)

TABLE	M 1	NUMBER OF ANIMALS WITH TUMORS AND NUMBER OF TUMORS-TIME RELATED: MALE
TABLE	M2	NUMBER OF ANIMALS WITH TUMORS AND NUMBER OF TUMORS-TIME RELATED: FEMALE
TABLE	N 1	HISTOPATHOLOGICAL FINDINGS: NEOPLASTIC LESIONS: MALE
TABLE	N 2	HISTOPATHOLOGICAL FINDINGS: NEOPLASTIC LESIONS: FEMALE
TABLE	O 1	NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS: MALE
TABLE	O 2	NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS: FEMALE
TABLE	P 1	HISTOPATHOLOGICAL FINDINGS: METASTASIS OF TUMOR: MALE
TABLE	P 2	HISTOPATHOLOGICAL FINDINGS: METASTASIS OF TUMOR: FEMALE
TABLE	Q	CAUSE OF DEATH OF MICE IN THE 2-YEAR INHALATION STUDY OF ISOPROPYL ACETATE

TABLE A

CONCENTRATIONS OF ISOPROPYL ACETATE  
IN THE INHALATION CHAMBER  
OF THE 2-YEAR INHALATION STUDY

CONCENTRATIONS OF ISOPROPYL ACETATE IN THE INHALATION  
CHAMBER OF THE 2-YEAR INHALATION STUDY

Group Name	Concentration(ppm) Mean $\pm$ S.D.
Control	0.0 $\pm$ 0.0
1000 ppm	998.7 $\pm$ 9.0
2000 ppm	1998.2 $\pm$ 15.7
4000 ppm	3998.8 $\pm$ 26.2

TABLE B1

SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0611

ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]

REPORT TYPE : A1 104

SEX : MALE

SURVIVAL ANIMAL NUMBERS

PAGE : 1

Group Name	Animals At start	Administration (Weeks)													
		0	1	2	3	4	5	6	7	8	9	10	11	12	13
Control	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000 ppm	50	50/50	50/50	50/50	50/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	48/50	48/50
		100.0	100.0	100.0	100.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	96.0	96.0
4000 ppm	50	50/50	50/50	50/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50
		100.0	100.0	100.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
Number of survival/ Number of effective animals															
Survival rate(%)															

(HAN360)

BAIS4



STUDY NO. : 0611

ANIMAL : MOUSE B6D2F1/Crlj[Crlj:BDF1]

REPORT TYPE : A1 104

SEX : MALE

SURVIVAL ANIMAL NUMBERS

PAGE : 2

Group Name	Animals At start	Administration (Weeks)													
		14	15	16	17	18	19	20	21	22	23	24	25	26	27
Control	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000 ppm	50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50
		96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
4000 ppm	50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50
		96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
Number of survival/ Number of effective animals Survival rate(%)															

(HAN360)

BAIS4

STUDY NO. : 0611

ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]

REPORT TYPE : A1 104

SEX : MALE

SURVIVAL ANIMAL NUMBERS

PAGE : 3

Group Name	Animals At start	Administration (Weeks)													
		28	29	30	31	32	33	34	35	36	37	38	39	40	41
Control	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000 ppm	50	48/50	48/50	48/50	48/50	48/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	46/50	46/50
		96.0	96.0	96.0	96.0	96.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	92.0	92.0
4000 ppm	50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50
		96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
Number of survival/ Number of effective animals															
Survival rate(%)															

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BAIS4

STUDY NO. : 0611

ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]

REPORT TYPE : A1 104

SEX : MALE

## SURVIVAL ANIMAL NUMBERS

PAGE : 4

Group Name	Animals At start	Administration (Weeks)													
		42	43	44	45	46	47	48	49	50	51	52	53	54	55
Control	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000 ppm	50	46/50	46/50	46/50	46/50	46/50	46/50	46/50	46/50	46/50	46/50	46/50	46/50	46/50	45/50
		92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	90.0
4000 ppm	50	48/50	48/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50
		96.0	96.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
Number of survival/ Number of effective animals															
Survival rate(%)															

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BAIS4

STUDY NO. : 0611

ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]

REPORT TYPE : A1 104

SEX : MALE

## SURVIVAL ANIMAL NUMBERS

PAGE : 5

Group Name	Animals At start	Administration (Weeks)													
		56	57	58	59	60	61	62	63	64	65	66	67	68	69
Control	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
1000 ppm	50	50/50	49/50	49/50	49/50	49/50	49/50	49/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50
		100.0	98.0	98.0	98.0	98.0	98.0	98.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
2000 ppm	50	45/50	45/50	45/50	45/50	45/50	45/50	45/50	45/50	45/50	45/50	45/50	45/50	45/50	45/50
		90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
4000 ppm	50	46/50	46/50	46/50	46/50	46/50	46/50	46/50	46/50	46/50	46/50	46/50	46/50	46/50	46/50
		92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
Number of survival/ Number of effective animals															
Survival rate(%)															

(HAN360)

BAIS4

STUDY NO. : 0611

ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]

REPORT TYPE : A1 104

SEX : MALE

SURVIVAL ANIMAL NUMBERS

PAGE : 6

Group Name	Animals At start	Administration (Weeks)													
		70	71	72	73	74	75	76	77	78	79	80	81	82	83
Control	50	49/50	48/50	48/50	48/50	48/50	47/50	47/50	47/50	46/50	44/50	44/50	43/50	43/50	43/50
		98.0	96.0	96.0	96.0	96.0	94.0	94.0	94.0	92.0	88.0	88.0	86.0	86.0	86.0
1000 ppm	50	48/50	48/50	48/50	48/50	48/50	47/50	47/50	47/50	47/50	47/50	46/50	45/50	45/50	45/50
		96.0	96.0	96.0	96.0	96.0	94.0	94.0	94.0	94.0	94.0	92.0	90.0	90.0	90.0
2000 ppm	50	45/50	45/50	44/50	43/50	43/50	43/50	43/50	43/50	43/50	43/50	42/50	42/50	42/50	42/50
		90.0	90.0	88.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	84.0	84.0	84.0	84.0
4000 ppm	50	46/50	45/50	45/50	45/50	45/50	45/50	45/50	45/50	44/50	44/50	44/50	44/50	44/50	44/50
		92.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	88.0	88.0	88.0	88.0	88.0
Number of survival/ Number of effective animals															
Survival rate(%)															

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BAIS4

STUDY NO. : 0611

ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]

REPORT TYPE : A1 104

SEX : MALE

## SURVIVAL ANIMAL NUMBERS

PAGE : 7

Group Name	Animals At start	Administration (Weeks)													
		84	85	86	87	88	89	90	91	92	93	94	95	96	97
Control	50	42/49	42/49	41/49	41/49	40/49	40/49	40/49	40/49	39/49	39/49	39/49	39/49	39/49	37/49
		85.7	85.7	83.7	83.7	81.6	81.6	81.6	81.6	79.6	79.6	79.6	79.6	79.6	75.5
1000 ppm	50	45/50	45/50	45/50	45/50	45/50	43/50	43/50	42/50	41/50	40/50	39/50	39/50	39/50	39/50
		90.0	90.0	90.0	90.0	90.0	86.0	86.0	84.0	82.0	80.0	78.0	78.0	78.0	78.0
2000 ppm	50	42/50	42/50	41/50	41/50	41/50	41/50	41/50	41/50	41/50	40/50	40/50	39/50	39/50	39/50
		84.0	84.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	80.0	80.0	78.0	78.0	78.0
4000 ppm	50	44/50	43/50	42/50	42/50	42/50	41/50	41/50	41/50	41/50	41/50	41/50	41/50	38/50	37/50
		88.0	86.0	84.0	84.0	84.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	76.0	74.0
Number of survival/ Number of effective animals															
Survival rate(%)															

(HAN360)

BAIS4

STUDY NO. : 0611

ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]

REPORT TYPE : A1 104

SEX : MALE

SURVIVAL ANIMAL NUMBERS

PAGE : 8

Group Name	Animals At start	Administration (Weeks)						
		98	99	100	101	102	103	104
Control	50	37/49	37/49	36/49	36/49	35/49	34/49	32/49
		75.5	75.5	73.5	73.5	71.4	69.4	65.3
1000 ppm	50	39/50	38/50	38/50	37/50	37/50	36/50	36/50
		78.0	76.0	76.0	74.0	74.0	72.0	72.0
2000 ppm	50	39/50	39/50	39/50	39/50	38/50	38/50	37/50
		78.0	78.0	78.0	78.0	76.0	76.0	74.0
4000 ppm	50	37/50	37/50	36/50	36/50	36/50	35/50	35/50
		74.0	74.0	72.0	72.0	72.0	70.0	70.0
Number of survival/ Number of effective animals								
Survival rate(%)								

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BAIS4

TABLE B2

SURVIVAL ANIMAL NUMBERS : FEMALE



STUDY NO. : 0611

ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]

REPORT TYPE : A1 104

SEX : FEMALE

SURVIVAL ANIMAL NUMBERS

PAGE : 9

Group Name	Animals At start	Administration (Weeks)													
		0	1	2	3	4	5	6	7	8	9	10	11	12	13
Control	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	49/50
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0
2000 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4000 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of survival/ Number of effective animals Survival rate(%)															

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BAIS4

STUDY NO. : 0611

ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]

REPORT TYPE : A1 104

SEX : FEMALE

SURVIVAL ANIMAL NUMBERS

PAGE : 10

Group Name	Animals At start	Administration (Weeks)													
		14	15	16	17	18	19	20	21	22	23	24	25	26	27
Control	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000 ppm	50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50
		98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
2000 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	49/50	49/50	49/50	49/50
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0	98.0	98.0	98.0
4000 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of survival/ Number of effective animals															
Survival rate(%)															

(HAN360)

BAIS4

STUDY NO. : 0611

ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]

REPORT TYPE : A1 104

SEX : FEMALE

SURVIVAL ANIMAL NUMBERS

PAGE : 11

Group Name	Animals At start	Administration (Weeks)													
		28	29	30	31	32	33	34	35	36	37	38	39	40	41
Control	50	50/50	50/50	50/50	50/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50
		100.0	100.0	100.0	100.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
1000 ppm	50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50
		98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
2000 ppm	50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50
		98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
4000 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of survival/ Number of effective animals															
Survival rate(%)															

(HAN360)

BAIS4

STUDY NO. : 0611

ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]

REPORT TYPE : A1 104

SEX : FEMALE

## SURVIVAL ANIMAL NUMBERS

PAGE : 12

Group Name	Animals At start	Administration (Weeks)													
		42	43	44	45	46	47	48	49	50	51	52	53	54	55
Control	50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	48/50	48/50	48/50
		98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	96.0	96.0	96.0
1000 ppm	50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50
		98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
2000 ppm	50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	48/50	48/50
		98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	96.0	96.0
4000 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of survival/ Number of effective animals															
Survival rate(%)															

(HAN360)

BAIS4

STUDY NO. : 0611

ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]

REPORT TYPE : A1 104

SEX : FEMALE

## SURVIVAL ANIMAL NUMBERS

PAGE : 13

Group Name	Animals At start	Administration (Weeks)													
		56	57	58	59	60	61	62	63	64	65	66	67	68	69
Control	50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	47/50
		96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	94.0
1000 ppm	50	49/50	48/50	48/50	48/50	47/50	47/50	47/50	47/50	45/50	44/50	44/50	44/50	44/50	44/50
		98.0	96.0	96.0	96.0	94.0	94.0	94.0	94.0	90.0	88.0	88.0	88.0	88.0	88.0
2000 ppm	50	48/50	48/50	47/50	46/50	46/50	46/50	45/50	45/50	45/50	45/50	45/50	45/50	44/50	44/50
		96.0	96.0	94.0	92.0	92.0	92.0	90.0	90.0	90.0	90.0	90.0	90.0	88.0	88.0
4000 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	49/50	48/50	48/50	48/50
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0	96.0	96.0	96.0
Number of survival/ Number of effective animals Survival rate(%)															

(HAN360)

BAIS4

STUDY NO. : 0611

ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]

REPORT TYPE : A1 104

SEX : FEMALE

SURVIVAL ANIMAL NUMBERS

PAGE : 14

Group Name	Animals At start	Administration (Weeks)													
		70	71	72	73	74	75	76	77	78	79	80	81	82	83
Control	50	47/50	47/50	46/50	46/50	46/50	46/50	46/50	44/50	44/50	44/50	44/50	44/50	44/50	44/50
		94.0	94.0	92.0	92.0	92.0	92.0	92.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
1000 ppm	50	44/50	44/50	43/50	43/50	43/50	43/50	41/50	41/50	41/50	40/50	40/50	40/50	40/50	40/50
		88.0	88.0	86.0	86.0	86.0	86.0	82.0	82.0	82.0	80.0	80.0	80.0	80.0	80.0
2000 ppm	50	44/50	44/50	44/50	44/50	44/50	44/50	44/50	43/50	43/50	41/50	41/50	41/50	40/50	40/50
		88.0	88.0	88.0	88.0	88.0	88.0	88.0	86.0	86.0	82.0	82.0	82.0	80.0	80.0
4000 ppm	50	48/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	46/50
		96.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	92.0
Number of survival/ Number of effective animals Survival rate(%)															

(HAN360)

BAIS4

STUDY NO. : 0611

ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]

REPORT TYPE : A1 104

SEX : FEMALE

## SURVIVAL ANIMAL NUMBERS

PAGE : 15

Group Name	Animals At start	Administration (Weeks)													
		84	85	86	87	88	89	90	91	92	93	94	95	96	97
Control	50	44/50	43/50	43/50	42/50	40/50	39/50	38/50	38/50	37/50	37/50	37/50	36/50	34/50	32/50
		88.0	86.0	86.0	84.0	80.0	78.0	76.0	76.0	74.0	74.0	74.0	72.0	68.0	64.0
1000 ppm	50	40/50	40/50	40/50	40/50	39/50	38/50	38/50	37/50	35/50	35/50	35/50	32/50	32/50	31/50
		80.0	80.0	80.0	80.0	78.0	76.0	76.0	74.0	70.0	70.0	70.0	64.0	64.0	62.0
2000 ppm	50	40/50	39/50	39/50	39/50	38/50	38/50	38/50	36/50	34/50	33/50	31/50	31/50	31/50	31/50
		80.0	78.0	78.0	78.0	76.0	76.0	76.0	72.0	68.0	66.0	62.0	62.0	62.0	62.0
4000 ppm	50	45/50	45/50	45/50	45/50	45/50	45/50	44/50	44/50	44/50	43/50	42/50	41/50	41/50	40/50
		90.0	90.0	90.0	90.0	90.0	90.0	88.0	88.0	88.0	86.0	84.0	82.0	82.0	80.0
Number of survival/ Number of effective animals Survival rate(%)															

(HAN360)

BAIS4

STUDY NO. : 0611

ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]

REPORT TYPE : A1 104

SEX : FEMALE

SURVIVAL ANIMAL NUMBERS

PAGE : 16

Group Name	Animals At start	Administration (Weeks)						
		98	99	100	101	102	103	104
Control	50	30/50	29/50	29/50	27/50	27/50	26/50	25/50
		60.0	58.0	58.0	54.0	54.0	52.0	50.0
1000 ppm	50	31/50	31/50	31/50	30/50	29/50	27/50	26/50
		62.0	62.0	62.0	60.0	58.0	54.0	52.0
2000 ppm	50	30/50	29/50	29/50	28/50	28/50	27/50	25/50
		60.0	58.0	58.0	56.0	56.0	54.0	50.0
4000 ppm	50	40/50	39/50	38/50	38/50	38/50	38/50	37/50
		80.0	78.0	76.0	76.0	76.0	76.0	74.0
Number of survival/ Number of effective animals Survival rate(%)								

(HAN360)

BAIS4



TABLE C1

CLINICAL OBSERVATION : MALE

REPORT TYPE : A1 104

ALL ANIMALS

PAGE : 1

[illegible]

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

PAGE : 2

[illegible]

### CLINICAL OBSERVATION (SUMMARY)

#### ALL ANIMALS

PAGE : 3

[illegible]

### CLINICAL OBSERVATION (SUMMARY)

#### ALL ANIMALS

PAGE : 4

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CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

PAGE : 5

[illegible]

REPORT TYPE : A1 104

## ALL ANIMALS

PAGE : 6

[illegible]

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

PAGE : 7

[illegible]



STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/CrLj[Crj:BDF1]  
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
 ALL ANIMALS

SEX : MALE

PAGE : 8

Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
DEATH	Control	10	11	11	12	13	14
	1000 ppm	8	8	9	9	10	10
	2000 ppm	10	10	10	11	11	12
	4000 ppm	12	13	13	13	14	14
MORIBUND SACRIFICE	Control	2	2	2	2	2	3
	1000 ppm	4	4	4	4	4	4
	2000 ppm	1	1	1	1	1	1
	4000 ppm	1	1	1	1	1	1
LOCOMOTOR MOVEMENT INCR	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
ROTATING	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
EXCITEMENT	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
WASTING	Control	0	0	0	0	1	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
SOILED	Control	0	0	1	1	1	1
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	1	0	0
PILOERECTOR	Control	1	2	2	2	2	1
	1000 ppm	0	0	0	0	0	0
	2000 ppm	3	3	3	3	3	3
	4000 ppm	0	0	0	0	0	0
TRAUMA	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	1	1	1	1	0

### CLINICAL OBSERVATION (SUMMARY)

#### ALL ANIMALS

PAGE : 9

Clinical sign	Group Name	Administration Week-day													
		1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	0	1	1	2	1	2	2	2	2	2	2	2
	1000 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	2000 ppm	0	0	2	1	0	0	2	2	2	2	2	1	1	1
	4000 ppm	0	0	5	5	5	5	5	4	4	5	5	4	4	4
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

PAGE : 10

[illegible]

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

PAGE : 11

Clinical sign	Group Name	Administration Week-day													
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
FROG BELLY	Control	0	2	2	2	2	2	2	2	2	2	2	2	2	2
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	1	2	2	2	2	2	2	2	2	2	2	2	2
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	2	3	2	2	2	2	2	3	3	3	3	3	3	3
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	1	1	0	0	0	0	0	0	0	0	0	0	1	1
	4000 ppm	3	3	4	4	4	4	4	4	4	4	4	3	3	3
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

### CLINICAL OBSERVATION (SUMMARY)

#### ALL ANIMALS

PAGE : 12

[illegible]

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

PAGE : 13

[illegible]

### CLINICAL OBSERVATION (SUMMARY)

#### ALL ANIMALS

PAGE : 14

[illegible]

### CLINICAL OBSERVATION (SUMMARY)

#### ALL ANIMALS

PAGE : 15

[illegible]



STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
 ALL ANIMALS

SEX : MALE

PAGE : 16

Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
FROG BELLY	Control	0	1	2	2	1	2
	1000 ppm	1	2	2	2	2	3
	2000 ppm	1	1	1	1	1	1
	4000 ppm	1	1	1	1	1	1
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	1	0	0
EXOPHTHALMOS	Control	1	1	1	1	1	1
	1000 ppm	0	0	0	0	0	0
	2000 ppm	1	2	2	2	2	1
	4000 ppm	0	0	0	0	0	0
GUM	Control	1	1	1	1	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
CORNEAL OPACITY	Control	1	1	1	1	1	1
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
EXTERNAL MASS	Control	1	1	1	1	1	1
	1000 ppm	1	1	1	1	1	1
	2000 ppm	0	0	0	0	0	0
	4000 ppm	1	1	1	1	1	1
INTERNAL MASS	Control	9	9	9	9	9	6
	1000 ppm	5	7	7	7	8	4
	2000 ppm	4	4	4	4	4	5
	4000 ppm	1	3	3	1	4	7
M. EYE	Control	1	1	1	1	1	1
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
M. EAR	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	1	1	1	1	1	1

REPORT TYPE : A1 104

### ALL ANIMALS

PAGE : 17

[illegible]

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

PAGE : 18

[illegible]

### CLINICAL OBSERVATION (SUMMARY)

#### ALL ANIMALS

PAGE : 19

Clinical sign	Group Name	Administration Week-day													
		29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
M. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PROLAPSE OF PENIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

### CLINICAL OBSERVATION (SUMMARY)

#### ALL ANIMALS

PAGE : 20

Clinical sign	Group Name	Administration Week-day													
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
M. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	1	1	1	0	0
	4000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PROLAPSE OF PENIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

### CLINICAL OBSERVATION (SUMMARY)

#### ALL ANIMALS

PAGE : 21

[illegible]

### CLINICAL OBSERVATION (SUMMARY)

#### ALL ANIMALS

PAGE : 22

[illegible]

### CLINICAL OBSERVATION (SUMMARY)

#### ALL ANIMALS

PAGE : 23

[illegible]



STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/CrLj[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. NECK	Control	0	0	0	0	0	0
	1000 ppm	1	1	1	1	1	1
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
M. ABDOMEN	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
M. GENITALIA	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
ANEMIA	Control	1	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
EROSION	Control	3	3	3	3	2	2
	1000 ppm	0	0	0	0	0	1
	2000 ppm	2	2	2	2	2	2
	4000 ppm	1	1	1	1	1	2
CRUSTA	Control	2	2	2	2	2	2
	1000 ppm	0	0	0	0	0	1
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
PROLAPSE OF PENIS	Control	0	0	1	1	1	1
	1000 ppm	0	0	0	0	0	0
	2000 ppm	1	1	1	1	1	1
	4000 ppm	1	2	2	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	1
	2000 ppm	1	1	1	1	1	1
	4000 ppm	0	0	0	0	0	0

STUDY NO. : 0611  
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : MALE

PAGE : 25

Clinical sign	Group Name	Administration Week-day													
		1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BAIS 4

STUDY NO. : 0611  
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
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BAIS 4

STUDY NO. : 0611

ANIMAL : MOUSE B6D2F1/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
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BAIS 4

STUDY NO. : 0611  
ANIMAL : MOUSE B6D2F1/CrJ[Crlj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : MALE

PAGE : 28

Clinical sign	Group Name	Administration Week-day													
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BAIS 4

STUDY NO. : 0611  
ANIMAL : MOUSE B6D2F1/CrJ[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : MALE

PAGE : 29

Clinical sign	Group Name	Administration Week-day													
		57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BAIS 4

STUDY NO. : 0611

ANIMAL : MOUSE B6D2F1/Crlj[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
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BAIS 4

STUDY NO. : 0611  
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
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BAIS 4



STUDY NO. : 0611  
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
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	1	1	1	0	0	0
	4000 ppm	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	1	1	1	1	1
	4000 ppm	0	0	0	0	0	0

(HAN190)

BAIS 4

TABLE C2

CLINICAL OBSERVATION : FEMALE

### CLINICAL OBSERVATION (SUMMARY)

#### ALL ANIMALS

PAGE : 33

[illegible]

### CLINICAL OBSERVATION (SUMMARY)

#### ALL ANIMALS

PAGE : 34

[illegible]

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

PAGE : 35

[illegible]

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

PAGE : 36

[illegible]

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

PAGE : 37

[illegible]

REPORT TYPE : A1 104

## ALL ANIMALS

PAGE : 38

[illegible]



REPORT TYPE : A1 104

ALL ANIMALS

PAGE : 39

[illegible]

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
 ALL ANIMALS

SEX : FEMALE

PAGE : 40

Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
DEATH	Control	16	16	16	16	16	17
	1000 ppm	17	17	18	19	21	22
	2000 ppm	12	12	13	13	13	14
	4000 ppm	10	11	11	11	11	12
MORIBUND SACRIFICE	Control	5	5	7	7	8	8
	1000 ppm	2	2	2	2	2	2
	2000 ppm	9	9	9	9	10	11
	4000 ppm	1	1	1	1	1	1
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
LOCOMOTOR MOVEMENT INCR	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
HUNCHBACK POSITION	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
ATAXIC GAIT	Control	1	1	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	1	0	0
	4000 ppm	0	0	0	0	0	0
TREMOR	Control	1	1	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
ROTATING	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0

### CLINICAL OBSERVATION (SUMMARY)

#### ALL ANIMALS

PAGE : 41

[illegible]

### CLINICAL OBSERVATION (SUMMARY)

#### ALL ANIMALS

PAGE : 42

[illegible]

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

PAGE : 43

[illegible]

### CLINICAL OBSERVATION (SUMMARY)

#### ALL ANIMALS

PAGE : 44

Clinical sign	Group Name	Administration Week-day													
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
ROLLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXCITEMENT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	1	1	1	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	1	1	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

REPORT TYPE : A1 104

## ALL ANIMALS

PAGE : 45

[illegible]

### CLINICAL OBSERVATION (SUMMARY)

#### ALL ANIMALS

PAGE : 46

Clinical sign	Group Name	Administration Week-day													
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
ROLLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXCITEMENT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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	1
	1000 ppm	2	1	1	1	2	1	1	1	0	0	0	0	0	0
	2000 ppm	0	1	2	2	2	2	2	3	1	1	1	1	1	2
	4000 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
SOILED PERI-GENITALIA	Control	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0



### CLINICAL OBSERVATION (SUMMARY)

#### ALL ANIMALS

PAGE : 47

[illegible]

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
 ALL ANIMALS

SEX : FEMALE

PAGE : 48

Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
ROLLING	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
EXCITEMENT	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	1	0	0	0	0
	4000 ppm	0	0	0	0	0	0
WASTING	Control	1	1	0	0	0	0
	1000 ppm	0	0	0	0	0	1
	2000 ppm	2	2	2	1	1	0
	4000 ppm	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
PILOERECTION	Control	1	1	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
FROG BELLY	Control	0	0	0	0	1	1
	1000 ppm	0	1	1	1	2	3
	2000 ppm	1	1	1	2	1	2
	4000 ppm	1	1	1	3	3	2
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	1	1	1	1	1	1
	4000 ppm	0	0	0	0	0	0
GUM	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0

### CLINICAL OBSERVATION (SUMMARY)

#### ALL ANIMALS

PAGE : 49

Clinical sign	Group Name	Administration Week-day													
		1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	1	1	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	0	0	1	1	1	1	1	1	0	0	0	0
	1000 ppm	0	0	0	0	1	1	1	1	1	1	1	1	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	1	1	1	1	0	0	0	0	0	0	0	0
M. NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. PERI-MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HEAD	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	1	1	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. FORELIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	1	1	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

### CLINICAL OBSERVATION (SUMMARY)

#### ALL ANIMALS

PAGE : 50

[illegible]

### CLINICAL OBSERVATION (SUMMARY)

#### ALL ANIMALS

PAGE : 51

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												
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	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	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. PERI-MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HEAD	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. FORELIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

PAGE : 52

[illegible]

REPORT TYPE : A1 104

ALL ANIMALS

PAGE : 53

[illegible]

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

PAGE : 54

[illegible]



CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

PAGE : 55

[illegible]

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
 ALL ANIMALS

SEX : FEMALE

PAGE : 56

Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
CORNEAL OPACITY	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	1	1	1	1	1	1
	4000 ppm	0	1	1	1	1	1
EXTERNAL MASS	Control	3	4	4	4	4	4
	1000 ppm	1	1	1	1	1	1
	2000 ppm	2	2	2	3	3	3
	4000 ppm	1	1	1	1	1	1
INTERNAL MASS	Control	0	4	3	3	3	2
	1000 ppm	3	5	3	3	5	4
	2000 ppm	3	3	3	4	5	4
	4000 ppm	2	1	1	1	1	2
M. NOSE	Control	1	1	1	1	1	1
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
M. EYE	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	1	1	1	1	1	1
	4000 ppm	0	0	0	0	0	0
M. PERI-MOUTH	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	1	1	1	1	1	1
M. HEAD	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
M. NECK	Control	0	0	0	0	0	0
	1000 ppm	0	1	1	1	1	1
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
M. FORELIMB	Control	0	0	0	0	0	0
	1000 ppm	1	1	1	1	1	1
	2000 ppm	1	1	1	1	1	1
	4000 ppm	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

PAGE : 57

[illegible]

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

PAGE : 58

[illegible]

REPORT TYPE : A1 104

ALL ANIMALS

PAGE : 59

[illegible]

REPORT TYPE : A1 104

ALL ANIMALS

PAGE : 60

[illegible]

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

PAGE : 61

[illegible]

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

PAGE : 62

[illegible]



CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

PAGE : 63

[illegible]

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
 ALL ANIMALS

SEX : FEMALE

PAGE : 64

Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
M. ABDOMEN	Control	0	1	1	1	1	1
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
M. ANTERIOR. DORSUM	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
M. POSTERIOR DORSUM	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	1	1	1
	4000 ppm	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
M. GENITALIA	Control	1	1	1	1	1	1
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	1	1	1	1	1	1
M. ANUS	Control	1	1	1	1	1	1
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
EDEMA	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
ULCER	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	1	1	1	1	1	1

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
 ALL ANIMALS

SEX : FEMALE

PAGE : 65

Clinical sign	Group Name	Administration Week-day													
		1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BAIS 4

STUDY NO. : 0611  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : FEMALE

PAGE : 66

Clinical sign	Group Name	Administration Week-day													
		15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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	1	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BAIS 4

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
 ALL ANIMALS

SEX : FEMALE

PAGE : 67

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											
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	1	1	1	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
 ALL ANIMALS

SEX : FEMALE

PAGE : 68

Clinical sign	Group Name	Administration Week-day													
		43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BAIS 4

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]  
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
 ALL ANIMALS

SEX : FEMALE

PAGE : 69

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
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	1	1	1	1	1	1	1	0	0	0	0	0	0	0
	2000 ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	1	1	1	0	0	0	0	0	0	0
	2000 ppm	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	1	0	0	0	0
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BAIS 4

STUDY NO. : 0611  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : FEMALE

PAGE : 70

Clinical sign	Group Name	Administration Week-day													
		71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	1	1	0	0	0	0	0	0	0	0
	1000 ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	1	1	1	2	0	0	0	0	0	0
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BAIS 4



STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
 ALL ANIMALS

SEX : FEMALE

PAGE : 71

Clinical sign	Group Name	Administration Week-day													
		85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	1	1	1	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	1	1	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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	1	1	0	1	0	0	0	2	1	1	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	3	1	0	0	0	0	0	0	1
	4000 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
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0611  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)  
ALL ANIMALS

SEX : FEMALE

PAGE : 72

Clinical sign	Group Name	Administration Week-day					
		99-7	100-7	101-7	102-7	103-7	104-7
CRUSTA	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	1
	4000 ppm	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
VAGINAL PROLAPSE	Control	0	0	0	0	0	0
	1000 ppm	1	1	1	1	1	1
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
IRREGULAR BREATHING	Control	1	1	0	0	0	0
	1000 ppm	0	0	0	1	1	2
	2000 ppm	0	0	0	0	1	0
	4000 ppm	0	0	0	0	0	0
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	1	1	1
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	2000 ppm	0	0	0	0	0	0
	4000 ppm	0	0	0	0	0	0

(HAN190)

BAIS 4

TABLE D1

BODY WEIGHT CHANGES AND SURVIVAL ANIMAL  
NUMBERS : MALE

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 UNIT : g  
 REPORT TYPE : A1 104  
 SEX : MALE

MEAN BODY WEIGHTS AND SURVIVAL

PAGE : 1

Week-Day on Study	Control		1000 ppm			2000 ppm			4000 ppm		
	Av. Wt.	No. of Surviv. <49>	Av. Wt.	% of cont. <50>	No. of Surviv.	Av. Wt.	% of cont. <50>	No. of Surviv.	Av. Wt.	% of cont. <50>	No. of Surviv.
0-0	23.3 (49)	49/49	23.3 (50)	100	50/50	23.3 (50)	100	50/50	23.3 (50)	100	50/50
1-7	24.2 (49)	49/49	24.5 (50)	101	50/50	24.5 (50)	101	50/50	24.1 (50)	100	50/50
2-7	25.1 (49)	49/49	25.1 (50)	100	50/50	25.1 (50)	100	50/50	24.1 (50)	96	50/50
3-7	25.8 (49)	49/49	25.6 (50)	99	50/50	25.8 (50)	100	50/50	24.9 (48)	97	48/50
4-7	26.4 (49)	49/49	26.2 (50)	99	50/50	26.6 (49)	101	49/50	25.7 (48)	97	48/50
5-7	26.9 (49)	49/49	26.4 (50)	98	50/50	26.9 (49)	100	49/50	26.7 (48)	99	48/50
6-7	27.3 (49)	49/49	27.0 (50)	99	50/50	27.4 (49)	100	49/50	27.1 (48)	99	48/50
7-7	27.9 (49)	49/49	27.5 (50)	99	50/50	28.1 (49)	101	49/50	27.8 (48)	100	48/50
8-7	28.5 (49)	49/49	27.9 (50)	98	50/50	28.6 (49)	100	49/50	28.3 (48)	99	48/50
9-7	29.0 (49)	49/49	28.6 (50)	99	50/50	28.9 (49)	100	49/50	28.5 (48)	98	48/50
10-7	29.5 (49)	49/49	29.1 (50)	99	50/50	29.8 (49)	101	49/50	29.2 (48)	99	48/50
11-7	30.1 (49)	49/49	29.5 (50)	98	50/50	30.3 (49)	101	49/50	29.5 (48)	98	48/50
12-7	30.7 (49)	49/49	30.2 (50)	98	50/50	30.9 (48)	101	48/50	29.9 (48)	97	48/50
13-7	31.3 (49)	49/49	31.2 (50)	100	50/50	32.0 (48)	102	48/50	30.9 (48)	99	48/50
14-7	32.1 (49)	49/49	31.8 (50)	99	50/50	32.5 (48)	101	48/50	31.6 (48)	98	48/50
18-7	34.4 (49)	49/49	34.1 (50)	99	50/50	34.8 (48)	101	48/50	33.7 (48)	98	48/50
22-7	36.5 (49)	49/49	36.4 (50)	100	50/50	36.7 (48)	101	48/50	35.5 (48)	97	48/50
26-7	37.9 (49)	49/49	38.0 (50)	100	50/50	38.4 (48)	101	48/50	37.1 (48)	98	48/50
30-7	39.6 (49)	49/49	39.5 (50)	100	50/50	40.4 (48)	102	48/50	38.6 (48)	97	48/50
34-7	41.2 (49)	49/49	41.1 (50)	100	50/50	42.1 (47)	102	47/50	39.7 (48)	96	48/50
38-7	42.6 (49)	49/49	42.2 (50)	99	50/50	43.1 (47)	101	47/50	40.6 (48)	95	48/50
42-7	44.0 (49)	49/49	43.8 (50)	100	50/50	44.5 (46)	101	46/50	42.1 (48)	96	48/50
46-7	44.9 (49)	49/49	44.4 (50)	99	50/50	45.4 (46)	101	46/50	43.0 (47)	96	47/50
50-7	45.9 (49)	49/49	45.3 (50)	99	50/50	45.9 (46)	100	46/50	43.4 (47)	95	47/50
54-7	47.3 (49)	49/49	46.4 (50)	98	50/50	47.2 (46)	100	46/50	45.0 (47)	95	47/50
58-7	48.2 (49)	49/49	47.4 (49)	98	49/50	47.7 (45)	99	45/50	44.5 (46)	92	46/50
62-7	49.1 (49)	49/49	47.8 (49)	97	49/50	48.3 (45)	98	45/50	44.9 (46)	91	46/50
66-7	49.6 (48)	48/49	48.6 (48)	98	48/50	49.0 (45)	99	45/50	45.2 (46)	91	46/50
70-7	49.6 (48)	48/49	48.8 (48)	98	48/50	49.1 (45)	99	45/50	45.2 (46)	91	46/50
74-7	49.1 (47)	47/49	49.8 (48)	101	48/50	50.4 (43)	103	43/50	45.9 (45)	93	45/50
78-7	48.7 (45)	45/49	49.9 (47)	102	47/50	49.9 (43)	102	43/50	45.7 (44)	94	44/50
82-7	48.3 (42)	42/49	50.1 (45)	104	45/50	50.3 (42)	104	42/50	45.2 (44)	94	44/50
86-7	49.2 (41)	41/49	50.6 (45)	103	45/50	51.0 (41)	104	41/50	45.2 (42)	92	42/50
90-7	49.3 (40)	40/49	50.4 (43)	102	43/50	51.3 (41)	104	41/50	45.6 (41)	92	41/50
94-7	48.2 (39)	39/49	50.4 (39)	105	39/50	51.0 (40)	106	40/50	45.2 (41)	94	41/50
98-7	47.8 (37)	37/49	49.3 (39)	103	39/50	49.2 (39)	103	39/50	44.1 (37)	92	37/50
102-7	46.0 (35)	35/49	47.6 (37)	103	37/50	47.9 (38)	104	38/50	42.4 (36)	92	36/50
104-7	47.0 (32)	32/49	47.1 (36)	100	36/50	47.3 (37)	101	37/50	41.6 (35)	89	35/50

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

Av. Wt. : g

TABLE D2

BODY WEIGHT CHANGES AND SURVIVAL ANIMAL  
NUMBERS : FEMALE

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 UNIT : g  
 REPORT TYPE : A1 104  
 SEX : FEMALE

MEAN BODY WEIGHTS AND SURVIVAL

PAGE : 2

Week-Day on Study	Control		1000 ppm		2000 ppm		4000 ppm				
	Av. Wt.	No. of Surviv. <50>	Av. Wt.	% of cont. <50>	No. of Surviv.	Av. Wt.	% of cont. <50>	No. of Surviv.	Av. Wt.	% of cont. <50>	No. of Surviv.
0-0	19.6 (50)	50/50	19.6 (50)	100	50/50	19.6 (50)	100	50/50	19.6 (50)	100	50/50
1-7	20.0 (50)	50/50	19.8 (50)	99	50/50	20.2 (50)	101	50/50	20.5 (50)	103	50/50
2-7	20.7 (50)	50/50	20.5 (50)	99	50/50	20.8 (50)	100	50/50	20.4 (50)	99	50/50
3-7	21.2 (50)	50/50	20.9 (50)	99	50/50	21.1 (50)	100	50/50	20.9 (50)	99	50/50
4-7	21.5 (50)	50/50	21.5 (50)	100	50/50	21.9 (50)	102	50/50	22.0 (50)	102	50/50
5-7	22.3 (50)	50/50	22.1 (50)	99	50/50	22.5 (50)	101	50/50	22.4 (50)	100	50/50
6-7	22.8 (50)	50/50	22.6 (50)	99	50/50	22.8 (50)	100	50/50	23.1 (50)	101	50/50
7-7	23.0 (50)	50/50	23.1 (50)	100	50/50	23.4 (50)	102	50/50	23.4 (50)	102	50/50
8-7	23.6 (50)	50/50	23.5 (50)	100	50/50	23.6 (50)	100	50/50	23.9 (50)	101	50/50
9-7	23.7 (50)	50/50	24.0 (50)	101	50/50	23.6 (50)	100	50/50	24.3 (50)	103	50/50
10-7	24.1 (50)	50/50	24.0 (50)	100	50/50	24.2 (50)	100	50/50	24.5 (50)	102	50/50
11-7	24.5 (50)	50/50	24.4 (50)	100	50/50	24.5 (50)	100	50/50	24.8 (50)	101	50/50
12-7	24.6 (50)	50/50	24.8 (50)	101	50/50	24.7 (50)	100	50/50	25.2 (50)	102	50/50
13-7	24.7 (50)	50/50	25.1 (49)	102	49/50	25.0 (50)	101	50/50	25.3 (50)	102	50/50
14-7	25.1 (50)	50/50	25.1 (49)	100	49/50	25.2 (50)	100	50/50	25.7 (50)	102	50/50
18-7	26.4 (50)	50/50	26.6 (49)	101	49/50	26.5 (50)	100	50/50	26.6 (50)	101	50/50
22-7	27.7 (50)	50/50	28.0 (49)	101	49/50	27.5 (50)	99	50/50	27.8 (50)	100	50/50
26-7	27.6 (50)	50/50	28.9 (49)	105	49/50	28.4 (49)	103	49/50	28.2 (50)	102	50/50
30-7	28.7 (50)	50/50	29.5 (49)	103	49/50	29.1 (49)	101	49/50	28.8 (50)	100	50/50
34-7	29.5 (49)	49/50	30.2 (49)	102	49/50	29.8 (49)	101	49/50	29.5 (50)	100	50/50
38-7	29.9 (49)	49/50	31.1 (49)	104	49/50	30.4 (49)	102	49/50	30.0 (50)	100	50/50
42-7	30.7 (49)	49/50	31.7 (49)	103	49/50	31.2 (49)	102	49/50	30.0 (50)	98	50/50
46-7	31.5 (49)	49/50	32.0 (49)	102	49/50	31.5 (49)	100	49/50	30.5 (50)	97	50/50
50-7	31.7 (49)	49/50	32.5 (49)	103	49/50	31.8 (49)	100	49/50	30.5 (50)	96	50/50
54-7	32.6 (48)	48/50	32.9 (49)	101	49/50	32.7 (48)	100	48/50	31.8 (50)	98	50/50
58-7	32.6 (48)	48/50	33.4 (48)	102	48/50	32.9 (47)	101	47/50	31.1 (50)	95	50/50
62-7	33.4 (48)	48/50	33.8 (47)	101	47/50	33.6 (45)	101	45/50	31.7 (50)	95	50/50
66-7	33.6 (48)	48/50	34.9 (44)	104	44/50	34.0 (45)	101	45/50	31.4 (49)	93	49/50
70-7	33.5 (47)	47/50	34.8 (44)	104	44/50	34.5 (44)	103	44/50	31.7 (48)	95	48/50
74-7	34.4 (46)	46/50	35.3 (43)	103	43/50	34.5 (44)	100	44/50	31.8 (47)	92	47/50
78-7	34.0 (44)	44/50	35.4 (41)	104	41/50	34.9 (43)	103	43/50	31.5 (47)	93	47/50
82-7	34.4 (44)	44/50	35.3 (40)	103	40/50	34.9 (40)	101	40/50	31.9 (47)	93	47/50
86-7	34.6 (43)	43/50	36.1 (40)	104	40/50	35.5 (39)	103	39/50	32.2 (45)	93	45/50
90-7	35.4 (38)	38/50	36.3 (38)	103	38/50	35.9 (38)	101	38/50	32.6 (44)	92	44/50
94-7	35.3 (37)	37/50	36.5 (35)	103	35/50	35.8 (31)	101	31/50	31.9 (42)	90	42/50
98-7	35.1 (30)	30/50	35.7 (31)	102	31/50	35.7 (30)	102	30/50	31.8 (40)	91	40/50
102-7	34.4 (27)	27/50	34.9 (29)	101	29/50	34.9 (28)	101	28/50	32.0 (38)	93	38/50
104-7	35.2 (25)	25/50	34.6 (26)	98	26/50	35.0 (25)	99	25/50	32.0 (37)	91	37/50

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

Av. Wt. : g

TABLE D3

BODY WEIGHT CHANGES : MALE

STUDY NO. : 0611  
 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-day						
	0-0	1-7	2-7	3-7	4-7	5-7	6-7
Control	23.3± 0.8	24.2± 0.9	25.1± 1.0	25.8± 1.1	26.4± 1.3	26.9± 1.5	27.3± 1.6
1000 ppm	23.3± 0.8	24.5± 0.8	25.1± 1.0	25.6± 1.0	26.2± 1.3	26.4± 1.1	27.0± 1.4
2000 ppm	23.3± 0.8	24.5± 1.0	25.1± 1.3	25.8± 1.4	26.6± 1.4	26.9± 1.9	27.4± 1.8
4000 ppm	23.3± 0.8	24.1± 1.4	24.1± 1.6**	24.9± 1.2**	25.7± 1.1*	26.7± 1.1	27.1± 1.2

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

Test of Dunnett



STUDY NO. : 0611  
 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-day						
	7-7	8-7	9-7	10-7	11-7	12-7	13-7
Control	27.9± 1.6	28.5± 1.7	29.0± 1.8	29.5± 1.9	30.1± 2.0	30.7± 2.2	31.3± 2.3
1000 ppm	27.5± 1.5	27.9± 1.7	28.6± 1.7	29.1± 1.9	29.5± 1.8	30.2± 2.0	31.2± 2.1
2000 ppm	28.1± 2.1	28.6± 2.1	28.9± 2.5	29.8± 2.6	30.3± 2.6	30.9± 2.6	32.0± 2.6
4000 ppm	27.8± 1.4	28.3± 1.6	28.5± 1.6	29.2± 1.9	29.5± 2.0	29.9± 2.1	30.9± 2.3

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

Test of Dunnett

STUDY NO. : 0611  
 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-day						
	14-7	18-7	22-7	26-7	30-7	34-7	38-7
Control	32.1± 2.6	34.4± 2.8	36.5± 2.9	37.9± 3.5	39.6± 3.8	41.2± 3.9	42.6± 4.5
1000 ppm	31.8± 2.2	34.1± 2.6	36.4± 2.8	38.0± 3.1	39.5± 3.6	41.1± 4.0	42.2± 4.2
2000 ppm	32.5± 2.7	34.8± 3.1	36.7± 3.3	38.4± 3.6	40.4± 4.2	42.1± 4.2	43.1± 4.3
4000 ppm	31.6± 2.5	33.7± 3.1	35.5± 3.5	37.1± 4.0	38.6± 4.4	39.7± 4.8	40.6± 5.3

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

Test of Dunnett

STUDY NO. : 0611  
 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-day						
	42-7	46-7	50-7	54-7	58-7	62-7	66-7
Control	44.0± 5.0	44.9± 5.1	45.9± 5.3	47.3± 5.4	48.2± 5.5	49.1± 5.6	49.6± 5.4
1000 ppm	43.8± 4.6	44.4± 4.7	45.3± 4.7	46.4± 4.7	47.4± 4.7	47.8± 4.8	48.6± 4.5
2000 ppm	44.5± 4.4	45.4± 4.4	45.9± 4.6	47.2± 5.6	47.7± 5.2	48.3± 5.1	49.0± 5.7
4000 ppm	42.1± 5.8	43.0± 5.8	43.4± 6.1	45.0± 6.3	44.5± 5.9**	44.9± 6.2**	45.2± 6.3**

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

Test of Dunnett

STUDY NO. : 0611  
 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-day						
	70-7	74-7	78-7	82-7	86-7	90-7	94-7
Control	49.6± 5.5	49.1± 5.5	48.7± 6.5	48.3± 7.3	49.2± 7.9	49.3± 7.8	48.2± 7.5
1000 ppm	48.8± 4.8	49.8± 4.8	49.9± 5.0	50.1± 5.3	50.6± 5.9	50.4± 6.2	50.4± 5.6
2000 ppm	49.1± 6.3	50.4± 5.7	49.9± 6.4	50.3± 6.0	51.0± 6.2	51.3± 6.4	51.0± 6.1
4000 ppm	45.2± 6.4**	45.9± 6.6*	45.7± 6.7	45.2± 6.8	45.2± 7.3*	45.6± 6.9*	45.2± 7.1

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

Test of Dunnett

STUDY NO. : 0611  
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-day		
	98-7	102-7	104-7
Control	47.8± 7.9	46.0± 8.4	47.0± 6.8
1000 ppm	49.3± 5.7	47.6± 5.4	47.1± 5.8
2000 ppm	49.2± 7.4	47.9± 7.4	47.3± 7.8
4000 ppm	44.1± 6.6	42.4± 6.4	41.6± 6.5**

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

Test of Dunnett

TABLE D4

BODY WEIGHT CHANGES : FEMALE

STUDY NO. : 0611  
 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-day						
	0-0	1-7	2-7	3-7	4-7	5-7	6-7
Control	19.6± 0.9	20.0± 1.1	20.7± 1.2	21.2± 1.1	21.5± 1.0	22.3± 1.1	22.8± 0.9
1000 ppm	19.6± 0.9	19.8± 1.1	20.5± 1.1	20.9± 1.2	21.5± 1.2	22.1± 1.2	22.6± 1.1
2000 ppm	19.6± 0.9	20.2± 0.9	20.8± 0.9	21.1± 0.9	21.9± 0.9	22.5± 0.9	22.8± 1.0
4000 ppm	19.6± 0.9	20.5± 1.1*	20.4± 0.9	20.9± 0.9	22.0± 0.9	22.4± 1.0	23.1± 1.1

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

Test of Dunnett

STUDY NO. : 0611  
 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-day						
	7-7	8-7	9-7	10-7	11-7	12-7	13-7
Control	23.0± 1.2	23.6± 1.2	23.7± 1.4	24.1± 1.4	24.5± 1.4	24.6± 1.4	24.7± 1.5
1000 ppm	23.1± 1.2	23.5± 1.4	24.0± 1.5	24.0± 1.5	24.4± 1.7	24.8± 1.6	25.1± 1.5
2000 ppm	23.4± 1.2	23.6± 1.0	23.6± 0.9	24.2± 1.1	24.5± 1.2	24.7± 1.1	25.0± 1.3
4000 ppm	23.4± 1.3	23.9± 1.3	24.3± 1.4*	24.5± 1.2	24.8± 1.1	25.2± 1.2*	25.3± 1.4

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

Test of Dunnett



STUDY NO. : 0611  
 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-day						
	14-7	18-7	22-7	26-7	30-7	34-7	38-7
Control	25.1± 1.6	26.4± 1.8	27.7± 2.3	27.6± 2.5	28.7± 2.9	29.5± 3.2	29.9± 3.3
1000 ppm	25.1± 1.3	26.6± 1.7	28.0± 2.2	28.9± 2.5*	29.5± 2.4	30.2± 2.9	31.1± 3.2
2000 ppm	25.2± 1.2	26.5± 1.6	27.5± 1.6	28.4± 1.9	29.1± 2.4	29.8± 2.4	30.4± 2.9
4000 ppm	25.7± 1.5	26.6± 1.6	27.8± 1.9	28.2± 2.0	28.8± 2.6	29.5± 2.8	30.0± 3.0

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

Test of Dunnett

STUDY NO. : 0611  
 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-day						
	42-7	46-7	50-7	54-7	58-7	62-7	66-7
Control	30.7± 3.7	31.5± 3.5	31.7± 3.6	32.6± 3.8	32.6± 4.3	33.4± 4.4	33.6± 4.2
1000 ppm	31.7± 3.3	32.0± 3.5	32.5± 3.7	32.9± 3.7	33.4± 4.3	33.8± 4.7	34.9± 4.2
2000 ppm	31.2± 3.1	31.5± 3.1	31.8± 3.1	32.7± 3.6	32.9± 3.2	33.6± 3.4	34.0± 3.6
4000 ppm	30.0± 3.2	30.5± 3.3	30.5± 2.4	31.8± 3.0	31.1± 2.8	31.7± 3.0	31.4± 3.3*

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

Test of Dunnett

STUDY NO. : 0611  
 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-day						
	70-7	74-7	78-7	82-7	86-7	90-7	94-7
Control	33.5± 3.8	34.4± 4.1	34.0± 4.2	34.4± 4.4	34.6± 4.3	35.4± 5.0	35.3± 4.7
1000 ppm	34.8± 3.8	35.3± 4.0	35.4± 4.3	35.3± 3.9	36.1± 4.7	36.3± 4.7	36.5± 4.6
2000 ppm	34.5± 3.7	34.5± 3.8	34.9± 3.7	34.9± 3.7	35.5± 4.0	35.9± 4.6	35.8± 3.3
4000 ppm	31.7± 3.2	31.8± 3.1**	31.5± 3.0**	31.9± 3.2**	32.2± 3.4*	32.6± 4.4*	31.9± 3.2**

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

Test of Dunnett

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 UNIT : g  
 REPORT TYPE : A1 104  
 SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)  
 ALL ANIMALS

PAGE : 12

Group Name	Administration week-day		
	98-7	102-7	104-7
Control	35.1± 5.4	34.4± 4.9	35.2± 5.2
1000 ppm	35.7± 4.3	34.9± 4.6	34.6± 4.7
2000 ppm	35.7± 3.2	34.9± 3.8	35.0± 3.4
4000 ppm	31.8± 3.0**	32.0± 3.0*	32.0± 3.5*

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

Test of Dunnett

(HAN260)

BAIS 4

TABLE E1

FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL  
NUMBERS : MALE

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 UNIT : g  
 REPORT TYPE : A1 104  
 SEX : MALE

MEAN FOOD CONSUMPTION(FC) AND SURVIVAL

PAGE : 1

Week-Day on Study	Control		1000 ppm			2000 ppm			4000 ppm		
	Av. FC.	No. of Surviv. <49>	Av. FC.	% of cont. <50>	No. of Surviv.	Av. FC.	% of cont. <50>	No. of Surviv.	Av. FC.	% of cont. <50>	No. of Surviv.
1-7	3.9 (49)	49/49	3.9 (50)	100	50/50	3.8 (50)	97	50/50	3.7 (50)	95	50/50
2-7	3.9 (49)	49/49	3.9 (50)	100	50/50	3.8 (50)	97	50/50	3.7 (50)	95	50/50
3-7	4.0 (49)	49/49	3.9 (50)	98	50/50	3.9 (50)	98	50/50	3.8 (48)	95	48/50
4-7	4.0 (49)	49/49	4.1 (50)	103	50/50	4.1 (49)	103	49/50	4.0 (48)	100	48/50
5-7	4.4 (49)	49/49	4.4 (50)	100	50/50	4.3 (49)	98	49/50	4.4 (48)	100	48/50
6-7	4.2 (49)	49/49	4.2 (50)	100	50/50	4.1 (49)	98	49/50	4.1 (48)	98	48/50
7-7	4.2 (49)	49/49	4.3 (50)	102	50/50	4.2 (49)	100	49/50	4.2 (48)	100	48/50
8-7	4.3 (49)	49/49	4.3 (50)	100	50/50	4.1 (49)	95	49/50	4.1 (48)	95	48/50
9-7	4.4 (49)	49/49	4.4 (50)	100	50/50	4.2 (49)	95	49/50	4.2 (48)	95	48/50
10-7	4.4 (49)	49/49	4.5 (50)	102	50/50	4.3 (49)	98	49/50	4.3 (48)	98	48/50
11-7	4.5 (49)	49/49	4.5 (50)	100	50/50	4.3 (49)	96	49/50	4.3 (48)	96	48/50
12-7	4.4 (49)	49/49	4.4 (50)	100	50/50	4.2 (48)	95	48/50	4.2 (48)	95	48/50
13-7	4.5 (49)	49/49	4.7 (50)	104	50/50	4.5 (48)	100	48/50	4.5 (48)	100	48/50
14-7	4.5 (49)	49/49	4.5 (50)	100	50/50	4.3 (48)	96	48/50	4.3 (48)	96	48/50
18-7	4.4 (49)	49/49	4.4 (50)	100	50/50	4.2 (48)	95	48/50	4.2 (48)	95	48/50
22-7	4.6 (49)	49/49	4.6 (50)	100	50/50	4.4 (48)	96	48/50	4.4 (48)	96	48/50
26-7	4.6 (49)	49/49	4.7 (50)	102	50/50	4.5 (48)	98	48/50	4.5 (48)	98	48/50
30-7	4.7 (49)	49/49	4.7 (50)	100	50/50	4.6 (48)	98	48/50	4.7 (48)	100	48/50
34-7	4.9 (49)	49/49	4.8 (50)	98	50/50	4.7 (47)	96	47/50	4.7 (48)	96	48/50
38-7	4.8 (49)	49/49	4.8 (50)	100	50/50	4.6 (47)	96	47/50	4.6 (48)	96	48/50
42-7	4.9 (49)	49/49	4.9 (50)	100	50/50	4.8 (46)	98	46/50	4.8 (48)	98	48/50
46-7	4.9 (49)	49/49	4.9 (50)	100	50/50	4.8 (46)	98	46/50	4.8 (47)	98	47/50
50-7	4.9 (49)	49/49	4.9 (50)	100	50/50	4.7 (46)	96	46/50	4.7 (47)	96	47/50
54-7	5.1 (49)	49/49	5.1 (50)	100	50/50	5.0 (46)	98	46/50	5.3 (47)	104	47/50
58-7	5.0 (49)	49/49	5.0 (49)	100	49/50	4.7 (45)	94	45/50	4.7 (46)	94	46/50
62-7	5.0 (49)	49/49	5.0 (49)	100	49/50	4.9 (45)	98	45/50	4.7 (46)	94	46/50
66-7	5.0 (48)	48/49	5.0 (48)	100	48/50	4.8 (45)	96	45/50	4.6 (46)	92	46/50
70-7	5.1 (48)	48/49	5.1 (48)	100	48/50	4.9 (45)	96	45/50	4.9 (46)	96	46/50
74-7	4.8 (47)	47/49	5.2 (48)	108	48/50	5.0 (43)	104	43/50	4.7 (45)	98	45/50
78-7	5.2 (45)	45/49	5.2 (47)	100	47/50	5.0 (43)	96	43/50	4.8 (44)	92	44/50
82-7	5.1 (42)	42/49	5.2 (45)	102	45/50	5.1 (42)	100	42/50	4.9 (44)	96	44/50
86-7	5.3 (41)	41/49	5.3 (45)	100	45/50	5.2 (41)	98	41/50	4.8 (42)	91	42/50
90-7	5.3 (40)	40/49	5.2 (43)	98	43/50	5.1 (41)	96	41/50	5.0 (41)	94	41/50
94-7	5.0 (39)	39/49	5.3 (39)	106	39/50	5.2 (40)	104	40/50	5.0 (41)	100	41/50
98-7	5.0 (37)	37/49	5.0 (39)	100	39/50	4.9 (39)	98	39/50	4.6 (37)	92	37/50
102-7	5.1 (35)	35/49	4.9 (37)	96	37/50	4.8 (38)	94	38/50	4.5 (36)	88	36/50
104-7	5.1 (32)	32/49	4.9 (36)	96	36/50	4.7 (37)	92	37/50	4.5 (35)	88	35/50

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

Av. FC. : g

TABLE E2

FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL  
NUMBERS : FEMALE

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 UNIT : g  
 REPORT TYPE : A1 104  
 SEX : FEMALE

MEAN FOOD CONSUMPTION(FC) AND SURVIVAL

PAGE : 2

Week-Day on Study	Control		1000 ppm		2000 ppm		4000 ppm				
	Av. FC.	No. of Surviv. <50>	Av. FC.	% of cont. <50>	No. of Surviv.	Av. FC.	% of cont. <50>	No. of Surviv.	Av. FC.	% of cont. <50>	No. of Surviv.
1-7	3.4 (50)	50/50	3.3 (50)	97	50/50	3.4 (50)	100	50/50	3.3 (50)	97	50/50
2-7	3.5 (50)	50/50	3.3 (50)	94	50/50	3.3 (50)	94	50/50	3.3 (50)	94	50/50
3-7	3.7 (50)	50/50	3.5 (50)	95	50/50	3.4 (50)	92	50/50	3.4 (50)	92	50/50
4-7	3.8 (50)	50/50	3.7 (50)	97	50/50	3.7 (50)	97	50/50	3.7 (50)	97	50/50
5-7	4.4 (50)	50/50	4.3 (50)	98	50/50	4.1 (50)	93	50/50	4.1 (50)	93	50/50
6-7	4.1 (50)	50/50	4.0 (50)	98	50/50	3.9 (50)	95	50/50	3.8 (50)	93	50/50
7-7	4.2 (50)	50/50	4.2 (50)	100	50/50	4.0 (50)	95	50/50	3.9 (50)	93	50/50
8-7	4.4 (50)	50/50	4.2 (50)	95	50/50	4.0 (50)	91	50/50	3.9 (50)	89	50/50
9-7	4.5 (50)	50/50	4.4 (50)	98	50/50	4.1 (50)	91	50/50	4.2 (50)	93	50/50
10-7	4.5 (50)	50/50	4.3 (50)	96	50/50	4.2 (50)	93	50/50	4.1 (50)	91	50/50
11-7	4.4 (50)	50/50	4.4 (50)	100	50/50	4.1 (50)	93	50/50	4.1 (50)	93	50/50
12-7	4.3 (50)	50/50	4.3 (50)	100	50/50	4.0 (50)	93	50/50	4.1 (50)	95	50/50
13-7	4.4 (50)	50/50	4.4 (49)	100	49/50	4.2 (50)	95	50/50	4.1 (50)	93	50/50
14-7	4.4 (50)	50/50	4.3 (49)	98	49/50	4.1 (50)	93	50/50	4.1 (50)	93	50/50
18-7	4.3 (50)	50/50	4.2 (49)	98	49/50	4.0 (50)	93	50/50	4.0 (50)	93	50/50
22-7	4.5 (50)	50/50	4.2 (49)	93	49/50	4.1 (50)	91	50/50	4.2 (50)	93	50/50
26-7	4.4 (50)	50/50	4.5 (49)	102	49/50	4.3 (49)	98	49/50	4.2 (50)	95	50/50
30-7	4.7 (50)	50/50	4.6 (49)	98	49/50	4.3 (49)	91	49/50	4.3 (50)	91	50/50
34-7	4.8 (49)	49/50	4.6 (49)	96	49/50	4.4 (49)	92	49/50	4.5 (50)	94	50/50
38-7	4.6 (49)	49/50	4.5 (49)	98	49/50	4.2 (49)	91	49/50	4.3 (50)	93	50/50
42-7	4.7 (49)	49/50	4.6 (49)	98	49/50	4.4 (49)	94	49/50	4.3 (50)	91	50/50
46-7	4.7 (49)	49/50	4.6 (49)	98	49/50	4.3 (49)	91	49/50	4.4 (50)	94	50/50
50-7	4.6 (49)	49/50	4.6 (49)	100	49/50	4.3 (49)	93	49/50	4.3 (50)	93	50/50
54-7	4.7 (48)	48/50	4.5 (49)	96	49/50	4.6 (48)	98	48/50	4.7 (50)	100	50/50
58-7	4.5 (48)	48/50	4.6 (48)	102	48/50	4.2 (47)	93	47/50	4.2 (50)	93	50/50
62-7	4.5 (48)	48/50	4.5 (47)	100	47/50	4.4 (45)	98	45/50	4.3 (50)	96	50/50
66-7	4.5 (48)	48/50	4.5 (44)	100	44/50	4.2 (45)	93	45/50	4.1 (49)	91	49/50
70-7	4.5 (47)	47/50	4.5 (44)	100	44/50	4.4 (44)	98	44/50	4.3 (48)	96	48/50
74-7	4.5 (46)	46/50	4.5 (43)	100	43/50	4.4 (44)	98	44/50	4.2 (47)	93	47/50
78-7	4.7 (44)	44/50	4.7 (41)	100	41/50	4.5 (43)	96	43/50	4.2 (47)	89	47/50
82-7	4.6 (44)	44/50	4.6 (40)	100	40/50	4.4 (40)	96	40/50	4.3 (47)	93	47/50
86-7	4.6 (43)	43/50	4.8 (40)	104	40/50	4.6 (39)	100	39/50	4.4 (45)	96	45/50
90-7	4.8 (38)	38/50	4.8 (38)	100	38/50	4.7 (38)	98	38/50	4.5 (44)	94	44/50
94-7	4.7 (37)	37/50	4.8 (35)	102	35/50	4.7 (31)	100	31/50	4.3 (42)	91	42/50
98-7	4.8 (30)	30/50	4.7 (31)	98	31/50	4.6 (30)	96	30/50	4.2 (40)	88	40/50
102-7	4.7 (27)	27/50	4.5 (29)	96	29/50	4.4 (28)	94	28/50	4.1 (38)	87	38/50
104-7	4.8 (25)	25/50	4.5 (26)	94	26/50	4.5 (25)	94	25/50	4.1 (37)	85	37/50

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

Av.FC. : g



TABLE E3

FOOD CONSUMPTION CHANGES : MALE

STUDY NO. : 0611  
 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 1-7(7)	week-day(effective) 2-7(7)	3-7(7)	4-7(7)	5-7(7)	6-7(7)	7-7(7)
Control	3.9± 0.3	3.9± 0.3	4.0± 0.3	4.0± 0.3	4.4± 0.3	4.2± 0.3	4.2± 0.3
1000 ppm	3.9± 0.2	3.9± 0.3	3.9± 0.3	4.1± 0.3	4.4± 0.3	4.2± 0.3	4.3± 0.3
2000 ppm	3.8± 0.3	3.8± 0.3	3.9± 0.3	4.1± 0.3	4.3± 0.4	4.1± 0.3	4.2± 0.3
4000 ppm	3.7± 0.3*	3.7± 0.4**	3.8± 0.3**	4.0± 0.3	4.4± 0.3	4.1± 0.3	4.2± 0.3

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

Test of Dunnett

STUDY NO. : 0611  
 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 8-7(7)	week-day(effective) 9-7(7)	10-7(7)	11-7(7)	12-7(7)	13-7(7)	14-7(7)
Control	4.3± 0.3	4.4± 0.3	4.4± 0.3	4.5± 0.3	4.4± 0.3	4.5± 0.3	4.5± 0.3
1000 ppm	4.3± 0.3	4.4± 0.3	4.5± 0.3	4.5± 0.3	4.4± 0.3	4.7± 0.3**	4.5± 0.3
2000 ppm	4.1± 0.3*	4.2± 0.4*	4.3± 0.4	4.3± 0.3**	4.2± 0.3**	4.5± 0.3	4.3± 0.2**
4000 ppm	4.1± 0.3**	4.2± 0.3	4.3± 0.3	4.3± 0.3**	4.2± 0.3**	4.5± 0.3	4.3± 0.3**

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

Test of Dunnett

STUDY NO. : 0611  
 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 18-7(7)	week-day(effective) 22-7(7)	26-7(7)	30-7(7)	34-7(7)	38-7(7)	42-7(7)
Control	4.4± 0.3	4.6± 0.3	4.6± 0.3	4.7± 0.3	4.9± 0.3	4.8± 0.3	4.9± 0.3
1000 ppm	4.4± 0.3	4.6± 0.2	4.7± 0.2	4.7± 0.3	4.8± 0.3	4.8± 0.2	4.9± 0.3
2000 ppm	4.2± 0.3**	4.4± 0.3	4.5± 0.2	4.6± 0.3	4.7± 0.3*	4.6± 0.3	4.8± 0.3
4000 ppm	4.2± 0.3**	4.4± 0.3*	4.5± 0.3	4.7± 0.3	4.7± 0.4	4.6± 0.4*	4.8± 0.4

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

Test of Dunnett

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 UNIT : g  
 REPORT TYPE : A1 104  
 SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)  
 ALL ANIMALS

PAGE : 4

Group Name	Administration week-day(effective)						
	46-7(7)	50-7(7)	54-7(7)	58-7(7)	62-7(7)	66-7(7)	70-7(7)
Control	4.9± 0.3	4.9± 0.3	5.1± 0.3	5.0± 0.3	5.0± 0.3	5.0± 0.3	5.1± 0.4
1000 ppm	4.9± 0.3	4.9± 0.3	5.1± 0.3	5.0± 0.3	5.0± 0.4	5.0± 0.3	5.1± 0.4
2000 ppm	4.8± 0.3	4.7± 0.3**	5.0± 0.4	4.7± 0.4**	4.9± 0.4	4.8± 0.4*	4.9± 0.6
4000 ppm	4.8± 0.4	4.7± 0.4**	5.3± 0.4**	4.7± 0.4**	4.7± 0.3**	4.6± 0.4**	4.9± 0.4**

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

Test of Dunnett

STUDY NO. : 0611  
 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 74-7(7)	week-day(effective) 78-7(7)	82-7(7)	86-7(7)	90-7(7)	94-7(7)	98-7(7)
Control	4.8± 0.6	5.2± 0.7	5.1± 0.5	5.3± 0.5	5.3± 0.4	5.0± 0.6	5.0± 0.6
1000 ppm	5.2± 0.6**	5.2± 0.4	5.2± 0.3	5.3± 0.4	5.2± 0.8	5.3± 0.4*	5.0± 0.3
2000 ppm	5.0± 0.3	5.0± 0.5	5.1± 0.3	5.2± 0.4	5.1± 0.4	5.2± 0.4	4.9± 0.5
4000 ppm	4.7± 0.5	4.8± 0.4**	4.9± 0.4*	4.8± 0.4**	5.0± 0.4**	5.0± 0.5	4.6± 0.5**

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

Test of Dunnett

STUDY NO. : 0611  
ANIMAL : MOUSE B6D2F1/Cr1j[BDF1]  
UNIT : g  
REPORT TYPE : A1 104  
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)  
ALL ANIMALS

PAGE : 6

Group Name	Administration week-day(effective)	
	102-7(7)	104-7(7)
Control	5.1± 0.7	5.1± 0.8
1000 ppm	4.9± 0.4	4.9± 0.6
2000 ppm	4.8± 0.5	4.7± 0.7
4000 ppm	4.5± 0.6**	4.5± 0.8**

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

Test of Dunnett

TABLE E4

FOOD CONSUMPTION CHANGES : FEMALE



STUDY NO. : 0611  
 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 1-7(7)	week-day(effective) 2-7(7)	3-7(7)	4-7(7)	5-7(7)	6-7(7)	7-7(7)
Control	3.4± 0.3	3.5± 0.2	3.7± 0.3	3.8± 0.3	4.4± 0.4	4.1± 0.3	4.2± 0.3
1000 ppm	3.3± 0.3	3.3± 0.3*	3.5± 0.2*	3.7± 0.2	4.3± 0.3	4.0± 0.2	4.2± 0.3
2000 ppm	3.4± 0.2	3.3± 0.3**	3.4± 0.2**	3.7± 0.2	4.1± 0.2**	3.9± 0.2**	4.0± 0.3**
4000 ppm	3.3± 0.4	3.3± 0.2**	3.4± 0.3**	3.7± 0.3	4.1± 0.3**	3.8± 0.3**	3.9± 0.3**

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

Test of Dunnett

STUDY NO. : 0611  
 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 8-7(7)	week-day(effective) 9-7(7)	10-7(7)	11-7(7)	12-7(7)	13-7(7)	14-7(7)
Control	4.4± 0.4	4.5± 0.4	4.5± 0.3	4.4± 0.4	4.3± 0.4	4.4± 0.4	4.4± 0.3
1000 ppm	4.2± 0.3	4.4± 0.3	4.3± 0.3	4.4± 0.3	4.3± 0.3	4.4± 0.3	4.3± 0.3*
2000 ppm	4.0± 0.2**	4.1± 0.2**	4.2± 0.3**	4.1± 0.3**	4.0± 0.3**	4.2± 0.3**	4.1± 0.3**
4000 ppm	3.9± 0.3**	4.2± 0.4**	4.1± 0.3**	4.1± 0.3**	4.1± 0.3**	4.1± 0.3**	4.1± 0.3**

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

Test of Dunnett

STUDY NO. : 0611  
 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-day(effective)						
	18-7(7)	22-7(7)	26-7(7)	30-7(7)	34-7(7)	38-7(7)	42-7(7)
Control	4.3± 0.4	4.5± 0.4	4.4± 0.4	4.7± 0.5	4.8± 0.5	4.6± 0.5	4.7± 0.5
1000 ppm	4.2± 0.3	4.2± 0.4**	4.5± 0.4	4.6± 0.4	4.6± 0.5*	4.5± 0.4	4.6± 0.5
2000 ppm	4.0± 0.3**	4.1± 0.3**	4.3± 0.3	4.3± 0.4**	4.4± 0.4**	4.2± 0.3**	4.4± 0.5**
4000 ppm	4.0± 0.3**	4.2± 0.4**	4.2± 0.3**	4.3± 0.4**	4.5± 0.4**	4.3± 0.4**	4.3± 0.5**

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

Test of Dunnett

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 UNIT : g  
 REPORT TYPE : A1 104  
 SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)  
 ALL ANIMALS

PAGE : 10

Group Name	Administration week-day(effective)						
	46-7(7)	50-7(7)	54-7(7)	58-7(7)	62-7(7)	66-7(7)	70-7(7)
Control	4.7± 0.5	4.6± 0.5	4.7± 0.5	4.5± 0.5	4.5± 0.5	4.5± 0.5	4.5± 0.5
1000 ppm	4.6± 0.5	4.6± 0.4	4.5± 0.5	4.6± 0.5	4.5± 0.6	4.5± 0.5	4.5± 0.5
2000 ppm	4.3± 0.4**	4.3± 0.4**	4.6± 0.4	4.2± 0.6	4.4± 0.4	4.2± 0.5	4.4± 0.4
4000 ppm	4.4± 0.4**	4.3± 0.3**	4.7± 0.5	4.2± 0.3**	4.3± 0.4	4.1± 0.5**	4.3± 0.5

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

Test of Dunnett

(HAN260)

BAIS 4

STUDY NO. : 0611  
 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-day(effective)						
	74-7(7)	78-7(7)	82-7(7)	86-7(7)	90-7(7)	94-7(7)	98-7(7)
Control	4.5± 0.5	4.7± 0.5	4.6± 0.6	4.6± 0.5	4.8± 0.8	4.7± 0.7	4.8± 0.5
1000 ppm	4.5± 0.6	4.7± 0.6	4.6± 0.6	4.8± 0.7	4.8± 1.0	4.8± 0.7	4.7± 0.6
2000 ppm	4.4± 0.6	4.5± 0.5	4.4± 0.5	4.6± 0.6	4.7± 0.6	4.7± 0.6	4.6± 0.6
4000 ppm	4.2± 0.4**	4.2± 0.5**	4.3± 0.5**	4.4± 0.4*	4.5± 0.5	4.3± 0.6*	4.2± 0.6**

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

Test of Dunnett

STUDY NO. : 0611  
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-day(effective)	
	102-7 (7)	104-7 (7)
Control	4.7± 0.5	4.8± 0.6
1000 ppm	4.5± 0.8	4.5± 0.8
2000 ppm	4.4± 0.7	4.5± 0.6
4000 ppm	4.1± 0.5**	4.1± 0.4**

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

Test of Dunnett

TABLE F1

HEMATOLOGY : MALE

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 MEASURE. TIME : 1  
 SEX : MALE

HEMATOLOGY (SUMMARY)  
 ALL ANIMALS (105W)

REPORT TYPE : A1

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	30	9.87±	2.30	14.0±	2.7	45.5±	8.4	46.7±	3.5	14.3±	1.0	30.6±	1.4	1815±	377
1000 ppm	35	10.22±	0.89	14.4±	1.2	46.8±	3.9	45.9±	1.3	14.1±	0.5	30.8±	0.7	1667±	338
2000 ppm	35	10.13±	0.99	14.6±	1.5	47.0±	4.5	46.5±	1.5	14.4±	0.5	31.0±	1.1	1778±	335
4000 ppm	33	10.20±	1.25	15.0±	1.5	48.6±	4.9	47.8±	1.9**	14.8±	0.5**	30.9±	0.6	1789±	342

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

Test of Dunnett

(HCL070)

BAIS 4



STUDY NO. : 0611  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
MEASURE. TIME : 1  
SEX : MALE

HEMATOLOGY (SUMMARY)  
ALL ANIMALS (105W)

REPORT TYPE : A1

PAGE : 2

Group Name	NO. of Animals	RETICULOCYTE %	
Control	30	2.9±	1.8
1000 ppm	35	2.4±	0.7
2000 ppm	35	2.3±	0.9
4000 ppm	33	2.6±	2.3

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

Test of Dunnett

(HCL070)

BAIS 4

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 MEASURE. TIME : 1  
 SEX : MALE

HEMATOLOGY (SUMMARY)  
 ALL ANIMALS (105W)

REPORT TYPE : A1

PAGE : 3

Group Name	NO. of Animals	WBC 1 O <sup>3</sup> /μl		Differential N-BAND		WBC (%) N-SEG		EOSINO		BASO		MONO		LYMPHO		OTHER	
Control	30	4.58±	2.17	1±	3	28±	13	2±	1	0±	0	5±	2	63±	17	1±	2
1000 ppm	35	4.32±	1.99	1±	1	30±	13	3±	3	0±	0	5±	2	60±	15	1±	1
2000 ppm	35	4.04±	2.02	1±	1	27±	10	2±	1	0±	0	4±	2	65±	11	0±	1
4000 ppm	33	3.50±	1.83	1±	1	31±	12	2±	1	0±	0	4±	2	61±	11	1±	1

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

Test of Dunnett

(HCL070)

BAIS 4

TABLE F2

HEMATOLOGY : FEMALE

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 MEASURE. TIME : 1  
 SEX : FEMALE

HEMATOLOGY (SUMMARY)  
 ALL ANIMALS (105W)

REPORT TYPE : A1

PAGE : 4

Group Name	NO. of Animals	RED BLOOD CELL 10 <sup>6</sup> /μl		HEMOGLOBIN g/dl		HEMATOCRIT %		MCV fl		MCH pg		MCHC g/dl		PLATELET 10 <sup>9</sup> /μl	
Control	25	9.96±	1.49	14.1±	1.9	45.5±	5.5	45.9±	2.5	14.2±	0.6	30.9±	0.9	1172±	204
1000 ppm	24	9.64±	2.13	14.0±	3.0	45.5±	8.6	48.4±	6.3	14.6±	0.6*	30.4±	2.4	1097±	278
2000 ppm	24	9.73±	1.31	14.1±	2.1	45.3±	5.9	46.5±	1.4	14.5±	0.5	31.2±	1.0	1245±	330
4000 ppm	36	10.12±	0.95	14.9±	1.3	47.9±	3.5	47.6±	2.8*	14.8±	0.4**	31.2±	1.1	1263±	259

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

Test of Dunnett

(HCL070)

BAIS 4

STUDY NO. : 0611  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
MEASURE. TIME : 1  
SEX : FEMALE

HEMATOLOGY (SUMMARY)  
ALL ANIMALS (105W)

REPORT TYPE : A1

PAGE : 5

Group Name	NO. of Animals	RETICULOCYTE %	
Control	25	3.4±	3.5
1000 ppm	24	6.1±	13.9
2000 ppm	24	2.6±	2.0
4000 ppm	36	2.4±	2.7*

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

Test of Dunnett

(HCL070)

BAIS 4

STUDY NO. : 0611  
 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	25	5.37±	6.89	2±	1	28±	15	2±	2	0±	0	5±	2	60±	15	3±	9
1000 ppm	24	8.48±	13.85	2±	2	28±	14	2±	2	0±	0	4±	2	56±	20	9±	22
2000 ppm	24	3.61±	1.91	1±	1	26±	13	3±	2	0±	0	4±	2	62±	14	3±	12
4000 ppm	36	5.22±	9.41	1±	1	23±	11	2±	1	0±	0	5±	2	64±	16	5±	17

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

Test of Dunnett

(HCL070)

BAIS 4

TABLE G1

BIOCHEMISTRY : MALE

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 MEASURE. TIME : 1  
 SEX : MALE

BIOCHEMISTRY (SUMMARY)  
 ALL ANIMALS (105W)

REPORT TYPE : A1

PAGE : 1

Group Name	NO. of Animals	TOTAL PROTEIN g/dl		ALBUMIN g/dl		A/G RATIO		T-BILIRUBIN mg/dl		GLUCOSE mg/dl		T-CHOLESTEROL mg/dl		TRIGLYCERIDE mg/dl	
Control	30	5.3±	0.7	2.6±	0.4	0.9±	0.2	0.14±	0.03	166±	36	121±	51	50±	22
1000 ppm	35	5.4±	0.6	2.5±	0.3	0.9±	0.1	0.14±	0.03	164±	26	120±	78	43±	23
2000 ppm	36	5.1±	0.5	2.5±	0.2	0.9±	0.1	0.15±	0.05	171±	36	106±	22	55±	26
4000 ppm	34	5.2±	0.5	2.5±	0.3	0.9±	0.1	0.15±	0.06	180±	39	119±	34	50±	26

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

Test of Dunnett

(HCL074)

BAIS 4



STUDY NO. : 0611  
 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	30	205±	68	111±	112	67±	85	504±	389	151±	88	1±	0	114±	267
1000 ppm	35	194±	83	117±	121	77±	116	473±	397	149±	69	1±	1	62±	30
2000 ppm	36	179±	41	127±	251	51±	94	449±	359	161±	81	1±	1	92±	97
4000 ppm	34	194±	33	187±	518	180±	636	899±	1509	146±	54	1±	1	164±	395

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

Test of Dunnett

(HCL074)

BAIS 4

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 MEASURE. TIME : 1  
 SEX : MALE

REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)  
 ALL ANIMALS (105W)

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	30	29.8±	36.8	153±	2	4.4±	0.6	121±	3	8.9±	0.6	6.7±	4.4
1000 ppm	35	23.3±	4.6	153±	2	4.3±	0.3	121±	2	8.9±	0.5	6.2±	0.7
2000 ppm	36	25.4±	10.8	153±	2	4.5±	0.4	122±	2	8.7±	0.3	6.6±	1.0**
4000 ppm	34	27.6±	13.1	153±	2	4.3±	0.4	122±	3	8.9±	1.2	6.7±	0.9**

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

Test of Dunnett

(HCL074)

BAIS 4

TABLE G2

BIOCHEMISTRY : FEMALE

STUDY NO. : 0611  
 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	25	5.3±	0.7	2.6±	0.3	1.0±	0.2	0.14±	0.06	115±	22	102±	73	59±	38
1000 ppm	25	5.1±	0.7	2.4±	0.3	1.0±	0.2	0.17±	0.13	109±	38	81±	27	42±	29
2000 ppm	25	5.5±	1.1	2.7±	0.4	1.0±	0.1	0.14±	0.05	143±	20**	101±	42	41±	17
4000 ppm	35	5.0±	0.4	2.5±	0.2	1.0±	0.1	0.13±	0.04	149±	31**	88±	27	40±	23

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

Test of Dunnett

(HCL074)

BAIS 4

STUDY NO. : 0611  
 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	25	179±	101	112±	83	49±	37	556±	1129	207±	87	1±	1	88±	49
1000 ppm	25	136±	52	278±	550	122±	256	964±	1502*	204±	91	1±	1	208±	320
2000 ppm	25	176±	68	109±	74	52±	50	426±	188	194±	67	1±	1	98±	65
4000 ppm	35	152±	40	178±	389	84±	199	537±	1007	211±	96	1±	1	125±	249

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

Test of Dunnett

(HCL074)

BAIS 4

STUDY NO. : 0611  
 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	25	17.3±	4.5	151±	2	4.1±	0.4	121±	2	9.1±	0.7	6.1±	0.7
1000 ppm	25	26.8±	25.5	153±	3*	4.3±	0.9	123±	3	9.0±	0.6	6.6±	1.6
2000 ppm	25	17.7±	6.0	152±	2	4.1±	0.4	121±	3	9.3±	1.1	6.1±	0.7
4000 ppm	35	19.2±	13.3	152±	1	4.2±	0.7	122±	6	8.8±	0.4	6.3±	1.6

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

Test of Dunnett

(HCL074)

BAIS 4

TABLE H1

URINALYSIS : MALE

STUDY NO. : 0611

ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]

MEASURE. TIME : 1

SEX : MALE

REPORT TYPE : A1

## URINALYSIS

PAGE : 1

Group Name	NO. of Animals	pH							CHI	Protein						CHI	Glucose						CHI	Ketone body						CHI	Occult blood					CHI
		5.0	6.0	6.5	7.0	7.5	8.0	8.5		-	±	+	2+	3+	4+		-	±	+	2+	3+	4+		-	±	+	2+	3+	4+		-	±	+	2+	3+	
Control	35	0	5	5	5	9	6	5		0	7	19	7	2	0		35	0	0	0	0	0		25	6	4	0	0	0		32	0	0	1	2	
1000 ppm	37	0	1	6	5	8	10	7		0	8	24	5	0	0		37	0	0	0	0	0		30	3	4	0	0	0		35	0	0	1	1	
2000 ppm	38	0	3	6	4	8	9	8		0	9	24	5	0	0		38	0	0	0	0	0		30	4	3	1	0	0		35	0	0	0	3	
4000 ppm	36	0	3	4	10	8	5	6		0	6	14	14	2	0		36	0	0	0	0	0		15	5	15	1	0	0	*	36	0	0	0	0	

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

Test of CHI SQUARE

(HCL101)

BAIS 4



STUDY NO. : 0611

ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]

MEASURE. TIME : 1

SEX : MALE

REPORT TYPE : A1

URINALYSIS

PAGE : 2

Group Name	NO. of Animals	Urobilinogen					CHI
		±	+	2+	3+	4+	
Control	35	35	0	0	0	0	0
1000 ppm	37	37	0	0	0	0	0
2000 ppm	38	38	0	0	0	0	0
4000 ppm	36	36	0	0	0	0	0

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

Test of CHI SQUARE

(HCL101)

BAIS 4

## TABLE H2

### URINALYSIS : FEMALE

STUDY NO. : 0611

ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]

MEASURE. TIME : 1

SEX : FEMALE

REPORT TYPE : A1

## URINALYSIS

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+	3+		
Control	27	0	0	4	1	5	17	0		0	4	12	10	0	1		27	0	0	0	0	0		12	11	1	2	1	0		27	0	0	0	0		
1000 ppm	29	0	0	2	7	9	9	2	*	0	7	15	4	3	0		29	0	0	0	0	0		11	14	1	3	0	0		25	0	1	2	1		
2000 ppm	28	0	0	1	3	5	16	3		0	5	20	1	2	0	*	28	0	0	0	0	0		13	13	2	0	0	0		28	0	0	0	0		
4000 ppm	38	0	3	2	1	9	18	5		0	12	16	9	1	0		38	0	0	0	0	0		14	20	3	1	0	0		37	1	0	0	0		

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

Test of CHI SQUARE

(HCL101)

BAIS 4

STUDY NO. : 0611  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
MEASURE. TIME : 1  
SEX : FEMALE

URINALYSIS

REPORT TYPE : A1

PAGE : 4

Group Name	NO. of Animals	Urobilinogen ± + 2+ 3+ 4+ CHI
Control	27	27 0 0 0 0
1000 ppm	29	29 0 0 0 0
2000 ppm	28	28 0 0 0 0
4000 ppm	38	38 0 0 0 0

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

Test of CHI SQUARE

(HCL101)

BAIS 4

TABLE I 1

GROSS FINDINGS : MALE

ALL ANIMALS

STUDY NO. : 0611  
 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	1000 ppm	2000 ppm	4000 ppm
			49 (%)	50 (%)	50 (%)	50 (%)
skin/app	erosion		1 ( 2)	1 ( 2)	2 ( 4)	1 ( 2)
	scab		2 ( 4)	2 ( 4)	0 ( 0)	0 ( 0)
subcutis	edema		2 ( 4)	1 ( 2)	0 ( 0)	1 ( 2)
	mass		1 ( 2)	2 ( 4)	0 ( 0)	1 ( 2)
lung	white zone		0 ( 0)	0 ( 0)	0 ( 0)	2 ( 4)
	nodule		8 ( 16)	4 ( 8)	2 ( 4)	1 ( 2)
lymph node	enlarged		6 ( 12)	7 ( 14)	5 ( 10)	5 ( 10)
thymus	atrophic		0 ( 0)	0 ( 0)	1 ( 2)	2 ( 4)
spleen	enlarged		4 ( 8)	3 ( 6)	4 ( 8)	3 ( 6)
	nodule		1 ( 2)	1 ( 2)	1 ( 2)	2 ( 4)
salivary gl	white zone		0 ( 0)	0 ( 0)	1 ( 2)	0 ( 0)
small intes	white zone		1 ( 2)	0 ( 0)	0 ( 0)	0 ( 0)
	nodule		1 ( 2)	1 ( 2)	0 ( 0)	0 ( 0)
	dilated		1 ( 2)	0 ( 0)	0 ( 0)	0 ( 0)
large intes	nodule		0 ( 0)	0 ( 0)	0 ( 0)	1 ( 2)
liver	enlarged		0 ( 0)	2 ( 4)	3 ( 6)	2 ( 4)
	pale		0 ( 0)	0 ( 0)	0 ( 0)	1 ( 2)
	white zone		3 ( 6)	2 ( 4)	1 ( 2)	2 ( 4)
	red zone		0 ( 0)	0 ( 0)	2 ( 4)	1 ( 2)
	nodule		16 ( 33)	19 ( 38)	10 ( 20)	12 ( 24)
	cyst		0 ( 0)	0 ( 0)	1 ( 2)	0 ( 0)
	deformed		1 ( 2)	0 ( 0)	0 ( 0)	0 ( 0)

STUDY NO. : 0611  
 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	1000 ppm	2000 ppm	4000 ppm
			49 (%)	50 (%)	50 (%)	50 (%)
kidney	enlarged		1 ( 2)	0 ( 0)	0 ( 0)	1 ( 2)
	small		0 ( 0)	0 ( 0)	0 ( 0)	2 ( 4)
	white zone		1 ( 2)	0 ( 0)	1 ( 2)	0 ( 0)
	nodule		1 ( 2)	0 ( 0)	0 ( 0)	0 ( 0)
	hydronephrosis		6 ( 12)	6 ( 12)	2 ( 4)	5 ( 10)
urin bladd	urine:marked retention		10 ( 20)	4 ( 8)	6 ( 12)	4 ( 8)
pituitary	nodule		1 ( 2)	0 ( 0)	0 ( 0)	0 ( 0)
testis	enlarged		0 ( 0)	1 ( 2)	0 ( 0)	0 ( 0)
epididymis	nodule		3 ( 6)	1 ( 2)	0 ( 0)	1 ( 2)
semin ves	red zone		0 ( 0)	1 ( 2)	0 ( 0)	0 ( 0)
prostate	enlarged		0 ( 0)	0 ( 0)	1 ( 2)	0 ( 0)
prep/cli gl	nodule		1 ( 2)	0 ( 0)	0 ( 0)	0 ( 0)
periph nerv	nodule		1 ( 2)	0 ( 0)	0 ( 0)	0 ( 0)
eye	turbid		1 ( 2)	0 ( 0)	0 ( 0)	0 ( 0)
Harder gl	enlarged		1 ( 2)	0 ( 0)	0 ( 0)	0 ( 0)
	nodule		1 ( 2)	1 ( 2)	2 ( 4)	1 ( 2)
bone	nodule		0 ( 0)	1 ( 2)	0 ( 0)	0 ( 0)
peritoneum	nodule		0 ( 0)	1 ( 2)	1 ( 2)	0 ( 0)
	adhesion		1 ( 2)	0 ( 0)	0 ( 0)	0 ( 0)
abdominal c	hemorrhage		1 ( 2)	0 ( 0)	0 ( 0)	1 ( 2)
	ascites		1 ( 2)	0 ( 0)	3 ( 6)	3 ( 6)
thoracic ca	pleural fluid		1 ( 2)	0 ( 0)	2 ( 4)	2 ( 4)

STUDY NO. : 0611  
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		1000 ppm		2000 ppm		4000 ppm	
			49	(%)	50	(%)	50	(%)	50	(%)
other	tail:nodule		0	( 0)	0	( 0)	0	( 0)	1	( 2)
	ear:nodule		0	( 0)	0	( 0)	0	( 0)	1	( 2)
whole body	anemic		2	( 4)	0	( 0)	0	( 0)	1	( 2)

(HPT080)

BAIS 4



TABLE I 2

GROSS FINDINGS : MALE  
DEAD AND MORIBUND ANIMALS

STUDY NO. : 0611  
 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	1000 ppm	2000 ppm	4000 ppm
			17 (%)	14 (%)	13 (%)	15 (%)
skin/app	scab		0 ( 0)	1 ( 7)	0 ( 0)	0 ( 0)
subcutis	edema		2 ( 12)	1 ( 7)	0 ( 0)	1 ( 7)
	mass		1 ( 6)	1 ( 7)	0 ( 0)	1 ( 7)
lung	white zone		0 ( 0)	0 ( 0)	0 ( 0)	2 ( 13)
	nodule		2 ( 12)	0 ( 0)	1 ( 8)	1 ( 7)
lymph node	enlarged		3 ( 18)	0 ( 0)	2 ( 15)	2 ( 13)
thymus	atrophic		0 ( 0)	0 ( 0)	1 ( 8)	2 ( 13)
spleen	enlarged		2 ( 12)	1 ( 7)	3 ( 23)	2 ( 13)
	nodule		1 ( 6)	0 ( 0)	1 ( 8)	0 ( 0)
small intes	white zone		1 ( 6)	0 ( 0)	0 ( 0)	0 ( 0)
	nodule		1 ( 6)	0 ( 0)	0 ( 0)	0 ( 0)
	dilated		1 ( 6)	0 ( 0)	0 ( 0)	0 ( 0)
large intes	nodule		0 ( 0)	0 ( 0)	0 ( 0)	1 ( 7)
liver	enlarged		0 ( 0)	2 ( 14)	3 ( 23)	2 ( 13)
	pale		0 ( 0)	0 ( 0)	0 ( 0)	1 ( 7)
	white zone		0 ( 0)	2 ( 14)	1 ( 8)	2 ( 13)
	red zone		0 ( 0)	0 ( 0)	0 ( 0)	1 ( 7)
	nodule		5 ( 29)	7 ( 50)	2 ( 15)	3 ( 20)
	deformed		1 ( 6)	0 ( 0)	0 ( 0)	0 ( 0)
kidney	enlarged		0 ( 0)	0 ( 0)	0 ( 0)	1 ( 7)
	small		0 ( 0)	0 ( 0)	0 ( 0)	1 ( 7)
	white zone		1 ( 6)	0 ( 0)	1 ( 8)	0 ( 0)

STUDY NO. : 0611  
 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	1000 ppm	2000 ppm	4000 ppm
			17 (%)	14 (%)	13 (%)	15 (%)
kidney	hydronephrosis		4 ( 24)	1 ( 7)	1 ( 8)	4 ( 27)
urin bladd	urine:marked retention		6 ( 35)	4 ( 29)	3 ( 23)	2 ( 13)
pituitary	nodule		1 ( 6)	0 ( 0)	0 ( 0)	0 ( 0)
testis	enlarged		0 ( 0)	1 ( 7)	0 ( 0)	0 ( 0)
epididymis	nodule		1 ( 6)	1 ( 7)	0 ( 0)	0 ( 0)
semin ves	red zone		0 ( 0)	1 ( 7)	0 ( 0)	0 ( 0)
prostate	enlarged		0 ( 0)	0 ( 0)	1 ( 8)	0 ( 0)
prep/cli gl	nodule		1 ( 6)	0 ( 0)	0 ( 0)	0 ( 0)
periph nerv	nodule		1 ( 6)	0 ( 0)	0 ( 0)	0 ( 0)
Harder gl	nodule		0 ( 0)	0 ( 0)	1 ( 8)	0 ( 0)
peritoneum	nodule		0 ( 0)	1 ( 7)	0 ( 0)	0 ( 0)
	adhesion		1 ( 6)	0 ( 0)	0 ( 0)	0 ( 0)
abdominal c	hemorrhage		1 ( 6)	0 ( 0)	0 ( 0)	1 ( 7)
	ascites		1 ( 6)	0 ( 0)	2 ( 15)	2 ( 13)
thoracic ca	pleural fluid		0 ( 0)	0 ( 0)	2 ( 15)	2 ( 13)
whole body	anemic		1 ( 6)	0 ( 0)	0 ( 0)	1 ( 7)

TABLE I 3

GROSS FINDINGS : MALE  
SACRIFICED ANIMALS

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

GROSS FINDINGS (SUMMARY)  
 SACRIFICED ANIMALS (105W)

PAGE : 1

Organ	Findings	Group Name NO. of Animals	Control	1000 ppm	2000 ppm	4000 ppm
			32 (%)	36 (%)	37 (%)	35 (%)
skin/app	erosion		1 ( 3)	1 ( 3)	2 ( 5)	1 ( 3)
	scab		2 ( 6)	1 ( 3)	0 ( 0)	0 ( 0)
subcutis	mass		0 ( 0)	1 ( 3)	0 ( 0)	0 ( 0)
lung	nodule		6 ( 19)	4 ( 11)	1 ( 3)	0 ( 0)
lymph node	enlarged		3 ( 9)	7 ( 19)	3 ( 8)	3 ( 9)
spleen	enlarged		2 ( 6)	2 ( 6)	1 ( 3)	1 ( 3)
	nodule		0 ( 0)	1 ( 3)	0 ( 0)	2 ( 6)
salivary gl	white zone		0 ( 0)	0 ( 0)	1 ( 3)	0 ( 0)
small intes	nodule		0 ( 0)	1 ( 3)	0 ( 0)	0 ( 0)
liver	white zone		3 ( 9)	0 ( 0)	0 ( 0)	0 ( 0)
	red zone		0 ( 0)	0 ( 0)	2 ( 5)	0 ( 0)
	nodule		11 ( 34)	12 ( 33)	8 ( 22)	9 ( 26)
	cyst		0 ( 0)	0 ( 0)	1 ( 3)	0 ( 0)
kidney	enlarged		1 ( 3)	0 ( 0)	0 ( 0)	0 ( 0)
	small		0 ( 0)	0 ( 0)	0 ( 0)	1 ( 3)
	nodule		1 ( 3)	0 ( 0)	0 ( 0)	0 ( 0)
	hydronephrosis		2 ( 6)	5 ( 14)	1 ( 3)	1 ( 3)
urin bladd	urine:marked retention		4 ( 13)	0 ( 0)	3 ( 8)	2 ( 6)
epididymis	nodule		2 ( 6)	0 ( 0)	0 ( 0)	1 ( 3)
eye	turbid		1 ( 3)	0 ( 0)	0 ( 0)	0 ( 0)
Harder gl	enlarged		1 ( 3)	0 ( 0)	0 ( 0)	0 ( 0)
	nodule		1 ( 3)	1 ( 3)	1 ( 3)	1 ( 3)

STUDY NO. : 0611  
 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		1000 ppm		2000 ppm		4000 ppm	
			32	(%)	36	(%)	37	(%)	35	(%)
bone	nodule		0	( 0)	1	( 3)	0	( 0)	0	( 0)
peritoneum	nodule		0	( 0)	0	( 0)	1	( 3)	0	( 0)
abdominal c	ascites		0	( 0)	0	( 0)	1	( 3)	1	( 3)
thoracic ca	pleural fluid		1	( 3)	0	( 0)	0	( 0)	0	( 0)
other	tail:nodule		0	( 0)	0	( 0)	0	( 0)	1	( 3)
	ear:nodule		0	( 0)	0	( 0)	0	( 0)	1	( 3)
whole body	anemic		1	( 3)	0	( 0)	0	( 0)	0	( 0)

(HPT080)

BAIS 4

TABLE I 4

GROSS FINDINGS : FEMALE

ALL ANIMALS

STUDY NO. : 0611  
 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		1000 ppm		2000 ppm		4000 ppm	
			50	(%)	50	(%)	50	(%)	50	(%)
skin/app	nodule		0	( 0)	1	( 2)	0	( 0)	0	( 0)
subcutis	edema		1	( 2)	4	( 8)	8	( 16)	3	( 6)
	mass		4	( 8)	1	( 2)	3	( 6)	2	( 4)
lung	red zone		2	( 4)	1	( 2)	1	( 2)	0	( 0)
	nodule		2	( 4)	3	( 6)	3	( 6)	0	( 0)
lymph node	enlarged		8	( 16)	9	( 18)	8	( 16)	6	( 12)
thymus	enlarged		0	( 0)	1	( 2)	0	( 0)	0	( 0)
spleen	enlarged		14	( 28)	7	( 14)	8	( 16)	6	( 12)
	white zone		0	( 0)	0	( 0)	0	( 0)	1	( 2)
	nodule		1	( 2)	0	( 0)	2	( 4)	0	( 0)
salivary gl	nodule		1	( 2)	0	( 0)	0	( 0)	0	( 0)
forestomach	nodule		1	( 2)	0	( 0)	1	( 2)	1	( 2)
	ulcer		0	( 0)	1	( 2)	0	( 0)	0	( 0)
small intes	thick		1	( 2)	0	( 0)	0	( 0)	0	( 0)
cecum	nodule		0	( 0)	1	( 2)	0	( 0)	0	( 0)
anus	nodule		1	( 2)	0	( 0)	0	( 0)	0	( 0)
liver	enlarged		2	( 4)	1	( 2)	4	( 8)	1	( 2)
	white zone		7	( 14)	8	( 16)	9	( 18)	5	( 10)
	red zone		2	( 4)	0	( 0)	1	( 2)	3	( 6)
	nodule		8	( 16)	7	( 14)	5	( 10)	11	( 22)
	rough		1	( 2)	0	( 0)	0	( 0)	0	( 0)
kidney	enlarged		0	( 0)	1	( 2)	0	( 0)	0	( 0)



STUDY NO. : 0611  
 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		1000 ppm		2000 ppm		4000 ppm	
			50	(%)	50	(%)	50	(%)	50	(%)
kidney	atrophic		0	( 0)	0	( 0)	0	( 0)	1	( 2)
	pale		0	( 0)	0	( 0)	2	( 4)	0	( 0)
	white zone		1	( 2)	0	( 0)	0	( 0)	0	( 0)
	nodule		1	( 2)	0	( 0)	0	( 0)	0	( 0)
	hydronephrosis		1	( 2)	3	( 6)	3	( 6)	3	( 6)
urin bladd	urine marked retention		0	( 0)	0	( 0)	1	( 2)	0	( 0)
pituitary	enlarged		2	( 4)	3	( 6)	4	( 8)	0	( 0)
	red zone		1	( 2)	5	( 10)	0	( 0)	0	( 0)
	nodule		6	( 12)	2	( 4)	2	( 4)	3	( 6)
ovary	enlarged		5	( 10)	7	( 14)	2	( 4)	3	( 6)
	cyst		11	( 22)	8	( 16)	14	( 28)	19	( 38)
uterus	nodule		9	( 18)	11	( 22)	16	( 32)	14	( 28)
	dilated lumen		0	( 0)	0	( 0)	0	( 0)	2	( 4)
vagina	nodule		0	( 0)	1	( 2)	0	( 0)	0	( 0)
eye	turbid		0	( 0)	0	( 0)	1	( 2)	1	( 2)
Harder gl	enlarged		0	( 0)	0	( 0)	1	( 2)	1	( 2)
	nodule		2	( 4)	0	( 0)	2	( 4)	0	( 0)
muscle	nodule		0	( 0)	1	( 2)	0	( 0)	0	( 0)
bone	nodule		1	( 2)	0	( 0)	0	( 0)	0	( 0)
mediastinum	mass		3	( 6)	0	( 0)	1	( 2)	2	( 4)
peritoneum	thick		0	( 0)	0	( 0)	1	( 2)	0	( 0)
retroperit	mass		0	( 0)	0	( 0)	3	( 6)	0	( 0)

STUDY NO. : 0611  
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		1000 ppm		2000 ppm		4000 ppm	
			50	(%)	50	(%)	50	(%)	50	(%)
abdominal c	ascites		4	( 8)	5	( 10)	9	( 18)	8	( 16)
thoracic ca	hemorrhage		1	( 2)	0	( 0)	0	( 0)	0	( 0)
	pleural fluid		8	( 16)	8	( 16)	5	( 10)	6	( 12)
other	nose nodule		1	( 2)	0	( 0)	0	( 0)	0	( 0)
whole body	anemic		1	( 2)	0	( 0)	0	( 0)	0	( 0)

(HPT080)

BAIS 4

TABLE I 5

GROSS FINDINGS : FEMALE  
DEAD AND MORIBUND ANIMALS

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 3

Organ	Findings	Group Name NO. of Animals	Control		1000 ppm		2000 ppm		4000 ppm	
			25	(%)	24	(%)	25	(%)	13	(%)
skin/app	nodule		0	( 0)	1	( 4)	0	( 0)	0	( 0)
subcutis	edema		1	( 4)	4	( 17)	8	( 32)	3	( 23)
	mass		3	( 12)	1	( 4)	0	( 0)	1	( 8)
lung	red zone		2	( 8)	1	( 4)	1	( 4)	0	( 0)
	nodule		1	( 4)	0	( 0)	2	( 8)	0	( 0)
lymph node	enlarged		5	( 20)	5	( 21)	4	( 16)	4	( 31)
thymus	enlarged		0	( 0)	1	( 4)	0	( 0)	0	( 0)
spleen	enlarged		13	( 52)	6	( 25)	7	( 28)	3	( 23)
	white zone		0	( 0)	0	( 0)	0	( 0)	1	( 8)
salivary gl	nodule		1	( 4)	0	( 0)	0	( 0)	0	( 0)
small intes	thick		1	( 4)	0	( 0)	0	( 0)	0	( 0)
cecum	nodule		0	( 0)	1	( 4)	0	( 0)	0	( 0)
liver	enlarged		2	( 8)	1	( 4)	4	( 16)	0	( 0)
	white zone		5	( 20)	6	( 25)	9	( 36)	4	( 31)
	red zone		0	( 0)	0	( 0)	1	( 4)	0	( 0)
	nodule		1	( 4)	3	( 13)	2	( 8)	5	( 38)
	rough		1	( 4)	0	( 0)	0	( 0)	0	( 0)
kidney	atrophic		0	( 0)	0	( 0)	0	( 0)	1	( 8)
	pale		0	( 0)	0	( 0)	2	( 8)	0	( 0)
	white zone		1	( 4)	0	( 0)	0	( 0)	0	( 0)
	nodule		1	( 4)	0	( 0)	0	( 0)	0	( 0)
	hydronephrosis		1	( 4)	3	( 13)	1	( 4)	2	( 15)

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 4

Organ	Findings	Group Name NO. of Animals	Control	1000 ppm	2000 ppm	4000 ppm
			25 (%)	24 (%)	25 (%)	13 (%)
urin bladd	urine:marked retention		0 ( 0)	0 ( 0)	1 ( 4)	0 ( 0)
pituitary	enlarged		1 ( 4)	2 ( 8)	2 ( 8)	0 ( 0)
	red zone		1 ( 4)	1 ( 4)	0 ( 0)	0 ( 0)
	nodule		1 ( 4)	0 ( 0)	1 ( 4)	0 ( 0)
ovary	enlarged		5 ( 20)	4 ( 17)	2 ( 8)	3 ( 23)
	cyst		1 ( 4)	1 ( 4)	3 ( 12)	0 ( 0)
uterus	nodule		7 ( 28)	8 ( 33)	12 ( 48)	5 ( 38)
Harder gl	enlarged		0 ( 0)	0 ( 0)	0 ( 0)	1 ( 8)
	nodule		0 ( 0)	0 ( 0)	1 ( 4)	0 ( 0)
muscle	nodule		0 ( 0)	1 ( 4)	0 ( 0)	0 ( 0)
bone	nodule		1 ( 4)	0 ( 0)	0 ( 0)	0 ( 0)
mediastinum	mass		3 ( 12)	0 ( 0)	1 ( 4)	2 ( 15)
peritoneum	thick		0 ( 0)	0 ( 0)	1 ( 4)	0 ( 0)
retroperit	mass		0 ( 0)	0 ( 0)	3 ( 12)	0 ( 0)
abdominal c	ascites		3 ( 12)	3 ( 13)	9 ( 36)	6 ( 46)
thoracic ca	hemorrhage		1 ( 4)	0 ( 0)	0 ( 0)	0 ( 0)
	pleural fluid		6 ( 24)	4 ( 17)	5 ( 20)	4 ( 31)
whole body	anemic		1 ( 4)	0 ( 0)	0 ( 0)	0 ( 0)

TABLE I 6

GROSS FINDINGS : FEMALE  
SACRIFICED ANIMALS

STUDY NO. : 0611  
 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		1000 ppm		2000 ppm		4000 ppm	
			25	(%)	26	(%)	25	(%)	37	(%)
subcutis	mass		1	( 4)	0	( 0)	3	( 12)	1	( 3)
lung	nodule		1	( 4)	3	( 12)	1	( 4)	0	( 0)
lymph node	enlarged		3	( 12)	4	( 15)	4	( 16)	2	( 5)
spleen	enlarged		1	( 4)	1	( 4)	1	( 4)	3	( 8)
	nodule		1	( 4)	0	( 0)	2	( 8)	0	( 0)
forestomach	nodule		1	( 4)	0	( 0)	1	( 4)	1	( 3)
	ulcer		0	( 0)	1	( 4)	0	( 0)	0	( 0)
anus	nodule		1	( 4)	0	( 0)	0	( 0)	0	( 0)
liver	enlarged		0	( 0)	0	( 0)	0	( 0)	1	( 3)
	white zone		2	( 8)	2	( 8)	0	( 0)	1	( 3)
	red zone		2	( 8)	0	( 0)	0	( 0)	3	( 8)
	nodule		7	( 28)	4	( 15)	3	( 12)	6	( 16)
kidney	enlarged		0	( 0)	1	( 4)	0	( 0)	0	( 0)
	hydronephrosis		0	( 0)	0	( 0)	2	( 8)	1	( 3)
pituitary	enlarged		1	( 4)	1	( 4)	2	( 8)	0	( 0)
	red zone		0	( 0)	4	( 15)	0	( 0)	0	( 0)
	nodule		5	( 20)	2	( 8)	1	( 4)	3	( 8)
ovary	enlarged		0	( 0)	3	( 12)	0	( 0)	0	( 0)
	cyst		10	( 40)	7	( 27)	11	( 44)	19	( 51)
uterus	nodule		2	( 8)	3	( 12)	4	( 16)	9	( 24)
	dilated lumen		0	( 0)	0	( 0)	0	( 0)	2	( 5)
vagina	nodule		0	( 0)	1	( 4)	0	( 0)	0	( 0)

STUDY NO. : 0611  
ANIMAL : MOUSE B6D2F1/Crlj[Crlj:BDF1]  
REPORT TYPE : A1  
SEX : FEMALE

GROSS FINDINGS (SUMMARY)  
SACRIFICED ANIMALS (105W)

PAGE : 4

Organ	Findings	Group Name NO. of Animals	Control		1000 ppm		2000 ppm		4000 ppm	
			25	(%)	26	(%)	25	(%)	37	(%)
eye	turbid		0	( 0)	0	( 0)	1	( 4)	1	( 3)
Harder gl	enlarged		0	( 0)	0	( 0)	1	( 4)	0	( 0)
	nodule		2	( 8)	0	( 0)	1	( 4)	0	( 0)
abdominal c	ascites		1	( 4)	2	( 8)	0	( 0)	2	( 5)
thoracic ca	pleural fluid		2	( 8)	4	( 15)	0	( 0)	2	( 5)
other	nose:nodule		1	( 4)	0	( 0)	0	( 0)	0	( 0)

(HPT080)

BAIS 4



TABLE J1

ORGAN WEIGHT, ABSOLUTE : MALE

STUDY NO. : 0611  
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	30	42.9± 6.8	0.010±	0.002	0.211±	0.032	0.223±	0.018	0.211±	0.086	0.833±	1.009
1000 ppm	35	43.1± 5.7	0.011±	0.002	0.199±	0.031	0.221±	0.022	0.217±	0.141	1.332±	2.931
2000 ppm	36	43.1± 7.8	0.011±	0.002	0.209±	0.026	0.221±	0.019	0.189±	0.019	0.653±	0.111
4000 ppm	34	38.3± 6.4*	0.011±	0.002	0.212±	0.036	0.207±	0.019**	0.187±	0.016	0.637±	0.065

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

Test of Dunnett

(HCL040)

BAIS 4

STUDY NO. : 0611  
ANIMAL : MOUSE B6D2F1/Cr1j[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	30	0.129±	0.212	1.756±	0.587	0.463±	0.018
1000 ppm	35	0.173±	0.286	1.699±	0.468	0.462±	0.014
2000 ppm	36	0.092±	0.111	1.570±	0.253	0.451±	0.016**
4000 ppm	34	0.095±	0.069	1.662±	0.523	0.453±	0.013*

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

Test of Dunnett

(HCL040)

BAIS 4

TABLE J2

ORGAN WEIGHT, ABSOLUTE : FEMALE

STUDY NO. : 0611  
ANIMAL : MOUSE B6D2F1/CrJ[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	25	30.8± 4.9	0.014±	0.002	0.042±	0.023	0.183±	0.024	0.198±	0.027	0.460±	0.060
1000 ppm	26	30.4± 4.8	0.014±	0.002	0.442±	1.410	0.185±	0.027	0.239±	0.141	0.559±	0.483
2000 ppm	25	30.7± 3.6	0.014±	0.002	0.049±	0.041	0.180±	0.026	0.191±	0.018	0.450±	0.060
4000 ppm	36	28.7± 3.4	0.013±	0.002	0.086±	0.164	0.168±	0.017*	0.189±	0.028	0.434±	0.039

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

Test of Dunnett

(HCL040)

BAIS 4

STUDY NO. : 0611  
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	25	0.241±	0.402	1.737±	0.850	0.489±	0.016
1000 ppm	26	0.218±	0.252	1.662±	1.122	0.490±	0.020
2000 ppm	25	0.351±	0.946	1.547±	0.298	0.482±	0.013
4000 ppm	36	0.151±	0.166	1.430±	0.295	0.466±	0.013**

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

Test of Dunnett

(HCL040)

BAIS 4

TABLE K1

ORGAN WEIGHT, RELATIVE : MALE

STUDY NO. : 0611  
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	30	42.9± 6.8	0.025± 0.006	0.499± 0.085	0.532± 0.096	0.506± 0.219	1.948± 2.190
1000 ppm	35	43.1± 5.7	0.027± 0.006	0.471± 0.106	0.519± 0.073	0.532± 0.459	3.126± 6.511
2000 ppm	36	43.1± 7.8	0.026± 0.007	0.503± 0.120	0.527± 0.093	0.455± 0.097	1.566± 0.398
4000 ppm	34	38.3± 6.4*	0.029± 0.006	0.566± 0.117*	0.552± 0.078	0.502± 0.087	1.696± 0.270

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

Test of Dunnett

(HCL042)

BAIS 4



STUDY NO. : 0611  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : MALE  
UNIT: %

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

PAGE : 2

Group Name	NO. of Animals	SPLEEN	LIVER	BRAIN
Control	30	0.342± 0.658	4.311± 2.086	1.111± 0.204
1000 ppm	35	0.407± 0.637	4.027± 1.413	1.090± 0.158
2000 ppm	36	0.226± 0.291	3.737± 0.809	1.089± 0.240
4000 ppm	34	0.258± 0.200	4.417± 1.460*	1.220± 0.222

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

Test of Dunnett

(HCL042)

BAIS 4

TABLE K2

ORGAN WEIGHT, RELATIVE : FEMALE

STUDY NO. : 0611  
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	25	30.8± 4.9	0.046± 0.008	0.139± 0.078	0.599± 0.066	0.660± 0.139	1.509± 0.183
1000 ppm	26	30.4± 4.8	0.048± 0.008	1.378± 4.320	0.621± 0.107	0.852± 0.747	1.838± 1.464
2000 ppm	25	30.7± 3.6	0.047± 0.007	0.163± 0.138	0.590± 0.090	0.626± 0.081	1.477± 0.228
4000 ppm	36	28.7± 3.4	0.047± 0.008	0.301± 0.565	0.588± 0.066	0.660± 0.071	1.520± 0.124

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

Test of Dunnett

(HCL042)

BAIS 4

STUDY NO. : 0611  
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	25	0.797± 1.325	5.815± 3.316	1.628± 0.253
1000 ppm	26	0.734± 0.868	5.479± 3.729	1.649± 0.238
2000 ppm	25	1.170± 3.220	5.061± 0.980	1.588± 0.185
4000 ppm	36	0.505± 0.474	4.981± 0.758	1.641± 0.175

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

Test of Dunnett

(HCL042)

BAIS 4

TABLE L1

HISTOPATHOLOGICAL FINDINGS :  
NON-NEOPLASTIC LESIONS : MALE  
ALL ANIMALS

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 1

		Group Name	Control				1000 ppm				2000 ppm				4000 ppm			
		No. of Animals on Study	49				50				50				50			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Integumentary system/appandage}																		
skin/app			<49>				<50>				<50>				<50>			
	ulcer		0	0	0	0	0	2	0	0	1	2	0	0	0	1	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 2 )	( 4 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )
	erosion		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 )
	scab		3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			( 6 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
{Respiratory system}																		
nasal cavit			<49>				<50>				<50>				<50>			
	exudate		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 )
	eosinophilic change:olfactory epithelium		10	3	0	0	3	0	0	0 *	1	0	0	0 **	2	0	0	0 **
			( 20 )	( 6 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )
	eosinophilic change:respiratory epithelium		6	1	0	0	5	0	0	0	3	0	0	0	2	0	0	0
			( 12 )	( 2 )	( 0 )	( 0 )	( 10 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )
	respiratory metaplasia:olfactory epithelium		10	0	0	0	17	0	0	0	25	1	0	0 **	33	11	0	0 **
			( 20 )	( 0 )	( 0 )	( 0 )	( 34 )	( 0 )	( 0 )	( 0 )	( 50 )	( 2 )	( 0 )	( 0 )	( 66 )	( 22 )	( 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. : 0611  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : MALE

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

PAGE : 2

		Group Name	Control				1000 ppm				2000 ppm				4000 ppm				
		No. of Animals on Study	49				50				50				50				
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Organ	Findings		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
{Respiratory system}																			
nasal cavit			<49>				<50>				<50>				<50>				
	respiratory metaplasia:gland	11 ( 22)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	7 ( 14)	0 ( 0)	0 ( 0)	0 ( 0)	16 ( 32)	3 ( 6)	0 ( 0)	0 ( 0)	20 ( 40)	11 ( 22)	0 ( 0)	0 ( 0)	**
	atrophy:olfactory epithelium	1 ( 2)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	8 ( 16)	0 ( 0)	0 ( 0)	0 ( 0)	28 ( 56)	1 ( 2)	0 ( 0)	0 ( 0)	43 ( 86)	0 ( 0)	0 ( 0)	0 ( 0)	**
	necrosis:olfactory epithelium	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	3 ( 6)	0 ( 0)	0 ( 0)	0 ( 0)	1 ( 2)	0 ( 0)	0 ( 0)	0 ( 0)	3 ( 6)	0 ( 0)	0 ( 0)	0 ( 0)	
nasopharynx			<49>				<50>				<50>				<50>				
	eosinophilic change	0 ( 0)	1 ( 2)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	1 ( 2)	0 ( 0)	0 ( 0)	1 ( 2)	0 ( 0)	0 ( 0)	0 ( 0)	1 ( 2)	0 ( 0)	0 ( 0)	0 ( 0)	
lung			<49>				<50>				<50>				<50>				
	hemorrhage	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)	
	edema	2 ( 4)	0 ( 0)	2 ( 4)	0 ( 0)	0 ( 0)	3 ( 6)	0 ( 0)	0 ( 0)	0 ( 0)	1 ( 2)	1 ( 2)	0 ( 0)	0 ( 0)	1 ( 2)	0 ( 0)	0 ( 0)	0 ( 0)	
	inflammatory infiltration	1 ( 2)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	3 ( 6)	2 ( 4)	0 ( 0)	0 ( 0)	1 ( 2)	0 ( 0)	0 ( 0)	0 ( 0)	1 ( 2)	1 ( 2)	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. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 3

Organ	Findings	Group Name No. of Animals on Study Grade	Control 49				1000 ppm 50				2000 ppm 50				4000 ppm 50			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																		
lung	accumulation of foamy cells		<49>				<50>				<50>				<50>			
			3	0	0	0	4	0	0	0	9	0	0	0	4	0	0	0
			( 6 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 18 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )
	bronchiolar-alveolar cell hyperplasia		<49>				<50>				<50>				<50>			
			1	0	0	0	0	0	0	0	2	0	0	0	2	1	0	0
			( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 4 )	( 2 )	( 0 )	( 0 )
{Hematopoietic system}																		
bone marrow	increased hematopoiesis		<49>				<50>				<50>				<50>			
			4	0	0	0	4	0	0	0	2	0	0	0	5	0	0	0
			( 8 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 10 )	( 0 )	( 0 )	( 0 )
	myelofibrosis		<49>				<50>				<50>				<50>			
			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 )
	granulopoiesis:increased		<49>				<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 )
lymph node	granulation		<49>				<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 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. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 4

		Group Name	Control				1000 ppm				2000 ppm				4000 ppm			
		No. of Animals on Study	49				50				50				50			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
{Hematopoietic system}																		
lymph node	proliferation:histiocyte		<49>				<50>				<50>				<50>			
		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 )
thymus	atrophy		<49>				<50>				<50>				<50>			
		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 )	2 ( 4 )	0 ( 0 )	0 ( 0 )	0 ( 0 )
spleen	extramedullary hematopoiesis		<49>				<50>				<50>				<50>			
		16 ( 33 )	11 ( 22 )	2 ( 4 )	0 ( 0 )	14 ( 28 )	8 ( 16 )	1 ( 2 )	0 ( 0 )	17 ( 34 )	5 ( 10 )	4 ( 8 )	0 ( 0 )	15 ( 30 )	9 ( 18 )	2 ( 4 )	0 ( 0 )	
	follicular hyperplasia		1 ( 2 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	6 ( 12 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	2 ( 4 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	1 ( 2 )	0 ( 0 )	0 ( 0 )	0 ( 0 )
{Circulatory system}																		
heart	thrombus		<49>				<50>				<50>				<50>			
		0 ( 0 )	0 ( 0 )	2 ( 4 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )
	necrosis:focal		<49>				<50>				<50>				<50>			
		0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	3 ( 6 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	2 ( 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. : 0611  
 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 49				1000 ppm 50				2000 ppm 50				4000 ppm 50			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Circulatory system}																		
heart	mineralization		<49>				<50>				<50>				<50>			
			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 )
	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 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
artery/aort	mineralization		<49>				<50>				<50>				<50>			
			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 )	( 0 )
{Digestive system}																		
tongue	arteritis		<49>				<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 )
salivary gl	xanthogranuloma		<49>				<50>				<50>				<50>			
			0	0	0	0	0	3	0	0	0	2	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
stomach	erosion:forestomach		<49>				<50>				<50>				<50>			
			0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )

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. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj: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 Grade	Control 49				1000 ppm 50				2000 ppm 50				4000 ppm 50			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Digestive system)																		
stomach	ulcer:forestomach		<49>				<50>				<50>				<50>			
			2	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0
			( 4)	( 0)	( 0)	( 0)	( 2)	( 0)	( 0)	( 0)	( 4)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	hyperplasia:forestomach		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)
	erosion:glandular stomach		4	0	0	0	4	2	0	0	8	0	0	0	5	0	0	0
			( 8)	( 0)	( 0)	( 0)	( 8)	( 4)	( 0)	( 0)	( 16)	( 0)	( 0)	( 0)	( 10)	( 0)	( 0)	( 0)
	ulcer:glandular stomach		0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0
			( 0)	( 0)	( 0)	( 0)	( 2)	( 0)	( 0)	( 0)	( 2)	( 0)	( 0)	( 0)	( 0)	( 0)	( 2)	( 0)
	hyperplasia:glandular stomach		17	0	0	0	19	1	0	0	17	0	0	0	13	0	0	0
			( 35)	( 0)	( 0)	( 0)	( 38)	( 2)	( 0)	( 0)	( 34)	( 0)	( 0)	( 0)	( 26)	( 0)	( 0)	( 0)
small intes	diverticula		<49>				<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)
	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)
liver	angiectasis		<49>				<50>				<50>				<50>			
			0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
			( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 2)	( 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. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 7

Organ	Findings	Group Name No. of Animals on Study Grade				Control 49				1000 ppm 50				2000 ppm 50				4000 ppm 50			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}																					
liver		<49>				<50>				<50>				<50>				<50>			
	hemorrhage	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )
	necrosis:central	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
		( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )
	necrosis:focal	1	1	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		( 2 )	( 2 )	( 0 )	( 0 )	( 4 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	inflammatory cell nest	6	1	0	0	12	1	0	0	12	0	0	0	12	0	0	0	9	0	0	0
		( 12 )	( 2 )	( 0 )	( 0 )	( 24 )	( 2 )	( 0 )	( 0 )	( 24 )	( 0 )	( 0 )	( 0 )	( 24 )	( 0 )	( 0 )	( 0 )	( 18 )	( 0 )	( 0 )	( 0 )
	extramedullary hematopoiesis	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
		( 2 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )
	clear cell focus	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
		( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	acidophilic cell focus	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0
		( 2 )	( 2 )	( 0 )	( 0 )	( 2 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 2 )	( 0 )	( 0 )
	basophilic cell focus	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 )	( 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. : 0611  
 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				1000 ppm				2000 ppm				4000 ppm				
		No. of Animals on Study	49				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			<49>				<50>				<50>				<50>				
	biliary 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 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
gall bladd			<49>				<50>				<50>				<50>				
	eosinophilic change		1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	
			( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )
	hyperplasia		3	1	0	0	2	1	0	0	0	0	0	0	1	1	0	0	
			( 6 )	( 2 )	( 0 )	( 0 )	( 4 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 2 )	( 0 )	( 0 )	
pancreas			<49>				<50>				<50>				<50>				
	atrophy		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 )
	islet cell hyperplasia		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 )	( 0 )
(Urinary system)																			
kidney			<49>				<50>				<50>				<50>				
	hyperplasia:tubular epithelial cell		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 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. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 9

Organ	Findings	Group Name No. of Animals on Study Grade	Control 49				1000 ppm 50				2000 ppm 50				4000 ppm 50			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Urinary system}																		
kidney	atrophy		<49>				<50>				<50>				<50>			
			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 )
	cyst		0	0	0	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 )
	hyaline droplet		0	1	0	0	3	1	0	0	2	0	0	0	4	1	0	0
			( 0 )	( 2 )	( 0 )	( 0 )	( 6 )	( 2 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 8 )	( 2 )	( 0 )	( 0 )
	inflammatory infiltration		0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 2 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	lymphocytic infiltration		3	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
			( 6 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	scar		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		1	0	1	0	1	1	1	0	0	0	0	0	0	1	0	0
			( 2 )	( 0 )	( 2 )	( 0 )	( 2 )	( 2 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )
	hydronephrosis		0	1	5	0	0	2	3	0	0	1	2	0	0	2	3	0
			( 0 )	( 2 )	( 10 )	( 0 )	( 0 )	( 4 )	( 6 )	( 0 )	( 0 )	( 2 )	( 4 )	( 0 )	( 0 )	( 4 )	( 6 )	( 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. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 10

		Group Name	Control				1000 ppm				2000 ppm				4000 ppm			
		No. of Animals on Study	49				50				50				50			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Urinary system)																		
kidney			<49>				<50>				<50>				<50>			
	mineralization:cortico-medullary junction		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 )
	mineralization:cortex		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 )
	glomerulosclerosis		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 )
	regeneration:proximal tubule		10	0	0	0	8	1	0	0	15	0	0	0	6	0	0	0
			( 20 )	( 0 )	( 0 )	( 0 )	( 16 )	( 2 )	( 0 )	( 0 )	( 30 )	( 0 )	( 0 )	( 0 )	( 12 )	( 0 )	( 0 )	( 0 )
	transitional cell hyperplasia		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 )
urin bladd			<49>				<50>				<50>				<50>			
	dilatation		1	1	5	0	0	0	4	0	0	1	5	0	1	0	3	0
			( 2 )	( 2 )	( 10 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 2 )	( 10 )	( 0 )	( 2 )	( 0 )	( 6 )	( 0 )
	inflammation		2	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0
			( 4 )	( 2 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	xanthogranuloma		0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0
			( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )

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

STUDY NO. : 0611  
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				1000 ppm				2000 ppm				4000 ppm			
			49				50				50				50			
			1 (%)	2 (%)	3 (%)	4 (%)	1 (%)	2 (%)	3 (%)	4 (%)	1 (%)	2 (%)	3 (%)	4 (%)	1 (%)	2 (%)	3 (%)	4 (%)
{Endocrine system}																		
pituitary			<49>				<49>				<50>				<48>			
	thrombus		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 )
	cyst		1 ( 2 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	1 ( 2 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	2 ( 4 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	1 ( 2 )	0 ( 0 )	0 ( 0 )	0 ( 0 )
	hyperplasia		3 ( 6 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	2 ( 4 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	2 ( 4 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	3 ( 6 )	0 ( 0 )	0 ( 0 )	0 ( 0 )
	Rathke pouch		3 ( 6 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	3 ( 6 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	2 ( 4 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	2 ( 4 )	0 ( 0 )	0 ( 0 )	0 ( 0 )
thyroid			<49>				<50>				<50>				<50>			
	cyst		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 )
parathyroid			<49>				<50>				<50>				<50>			
	cyst		2 ( 4 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	1 ( 2 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	1 ( 2 )	0 ( 0 )	0 ( 0 )
adrenal			<49>				<50>				<50>				<50>			
	spindle-cell hyperplasia		5 ( 10 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	6 ( 12 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	8 ( 16 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	4 ( 8 )	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. : 0611  
 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 49				1000 ppm 50				2000 ppm 50				4000 ppm 50			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Endocrine system}																		
adrenal	hyperplasia:cortical cell		<49>				<50>				<50>				<50>			
			1	0	0	0	3	0	0	0	1	0	0	0	0	0	0	0
			( 2 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	hyperplasia:medulla																	
			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 )
{Reproductive system}																		
testis	mineralization		<49>				<50>				<50>				<50>			
			5	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0
			( 10 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
epididymis	lymphocytic infiltration		<49>				<50>				<50>				<50>			
			0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	granulation																	
			1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
			( 2 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )
	spermatogenic granuloma																	
			7	0	0	0	2	0	0	0	1	1	0	0	1	0	0	0
			( 14 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 2 )	( 2 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe  
 < a > a : Number of animals examined at the site  
 b 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. : 0611  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : MALE

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

PAGE : 13

Organ	Findings	Group Name No. of Animals on Study Grade	Control 49				1000 ppm 50				2000 ppm 50				4000 ppm 50			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Reproductive system}																		
semin ves	hemorrhage		<49>				<50>				<50>				<50>			
			0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	degeneration		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 )
prostate	inflammation		<49>				<50>				<50>				<50>			
			0	1	0	0	0	0	1	0	2	0	0	0	1	0	0	0
			( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )
	granulation		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 )
prep/cli gl	inflammation		<49>				<50>				<50>				<50>			
			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 )
{Nervous system}																		
brain	mineralization		<49>				<50>				<50>				<50>			
			10	0	0	0	8	0	0	0	8	0	0	0	6	0	0	0
			( 20 )	( 0 )	( 0 )	( 0 )	( 16 )	( 0 )	( 0 )	( 0 )	( 16 )	( 0 )	( 0 )	( 0 )	( 12 )	( 0 )	( 0 )	( 0 )

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

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 14

		Group Name	Control				1000 ppm				2000 ppm				4000 ppm			
		No. of Animals on Study	49				50				50				50			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
{Nervous system}																		
brain			<49>				<50>				<50>				<50>			
	meningoencephalitis		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 )
{Special sense organs/appendage}																		
eye			<49>				<50>				<50>				<50>			
	keratitis		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 )
	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 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
Harder gl			<49>				<50>				<50>				<50>			
	hyperplasia		1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0
			( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )
{Musculoskeletal system}																		
muscle			<49>				<50>				<50>				<50>			
	mineralization		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. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 15

Organ_____	Findings_____	Group Name	Control				1000 ppm				2000 ppm				4000 ppm			
		No. of Animals on Study	49				50				50				50			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)

---

{Musculoskeletal system}																		
bone																		
			<49>				<50>				<50>				<50>			
	fracture		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 )
	osteosclerosis		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 : \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$  Test of Chi Square

(HPT150)

BAIS4

TABLE L2

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

STUDY NO. : 0611  
 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

		Group Name	Control				1000 ppm				2000 ppm				4000 ppm			
		No. of Animals on Study	17				14				13				15			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Integumentary system/appandage}																		
skin/app			<17>				<14>				<13>				<15>			
	ulcer		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)
{Respiratory system}																		
nasal cavit			<17>				<14>				<13>				<15>			
	exudate		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 6)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	eosinophilic change:olfactory epithelium		2	2	0	0	1	0	0	0	0	0	0	0	1	0	0	0
			( 12)	( 12)	( 0)	( 0)	( 7)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 7)	( 0)	( 0)	( 0)
	eosinophilic change:respiratory epithelium		2	1	0	0	1	0	0	0	1	0	0	0	1	0	0	0
			( 12)	( 6)	( 0)	( 0)	( 7)	( 0)	( 0)	( 0)	( 8)	( 0)	( 0)	( 0)	( 7)	( 0)	( 0)	( 0)
	respiratory metaplasia:olfactory epithelium		2	0	0	0	1	0	0	0	6	0	0	0	10	1	0	0 **
			( 12)	( 0)	( 0)	( 0)	( 7)	( 0)	( 0)	( 0)	( 46)	( 0)	( 0)	( 0)	( 67)	( 7)	( 0)	( 0)
	respiratory metaplasia:gland		5	0	0	0	0	0	0	0	1	0	0	0	5	2	0	0
			( 29)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 8)	( 0)	( 0)	( 0)	( 33)	( 13)	( 0)	( 0)
	atrophy:olfactory epithelium		0	0	0	0	2	0	0	0	9	1	0	0 **	12	0	0	0 **
			( 0)	( 0)	( 0)	( 0)	( 14)	( 0)	( 0)	( 0)	( 69)	( 8)	( 0)	( 0)	( 80)	( 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. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 2

Organ	Findings	Control No. of Animals on Study Grade				1000 ppm 14				2000 ppm 13				4000 ppm 15			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																	
nasal cavit	necrosis:olfactory epithelium	<17>				<14>				<13>				<15>			
		0	0	0	0	3	0	0	0	1	0	0	0	3	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 21 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 20 )	( 0 )	( 0 )	( 0 )
nasopharynx	eosinophilic change	<17>				<14>				<13>				<15>			
		0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
		( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 7 )	( 0 )	( 0 )	( 0 )
lung	hemorrhage	<17>				<14>				<13>				<15>			
		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
		( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	edema	<17>				<14>				<13>				<15>			
		2	0	2	0	3	0	0	0	1	1	0	0	1	0	0	0
		( 12 )	( 0 )	( 12 )	( 0 )	( 21 )	( 0 )	( 0 )	( 0 )	( 8 )	( 8 )	( 0 )	( 0 )	( 7 )	( 0 )	( 0 )	( 0 )
	inflammatory infiltration	<17>				<14>				<13>				<15>			
		1	0	0	0	3	1	0	0	1	0	0	0	1	1	0	0
		( 6 )	( 0 )	( 0 )	( 0 )	( 21 )	( 7 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 7 )	( 7 )	( 0 )	( 0 )
	accumulation of foamy cells	<17>				<14>				<13>				<15>			
		0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 7 )	( 0 )	( 0 )	( 0 )
	bronchiolar-alveolar cell hyperplasia	<17>				<14>				<13>				<15>			
		0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 0 )	( 7 )	( 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. : 0611  
 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

Organ_____	Findings_____	Group Name	Control				1000 ppm				2000 ppm				4000 ppm			
		No. of Animals on Study	17				14				13				15			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Hematopoietic system}																		
bone marrow			<17>				<14>				<13>				<15>			
	increased hematopoiesis	2 ( 12)	0 ( 0)	0 ( 0)	0 ( 0)	3 ( 21)	0 ( 0)	0 ( 0)	0 ( 0)	1 ( 8)	0 ( 0)	0 ( 0)	0 ( 0)	3 ( 20)	0 ( 0)	0 ( 0)	0 ( 0)	
thymus			<17>				<14>				<13>				<15>			
	atrophy	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	1 ( 8)	0 ( 0)	0 ( 0)	0 ( 0)	2 ( 13)	0 ( 0)	0 ( 0)	0 ( 0)	
spleen			<17>				<14>				<13>				<15>			
	extramedullary hematopoiesis	1 ( 6)	5 ( 29)	2 ( 12)	0 ( 0)	2 ( 14)	5 ( 36)	1 ( 7)	0 ( 0)	1 ( 8)	2 ( 15)	4 ( 31)	0 ( 0)	1 ( 7)	3 ( 20)	2 ( 13)	0 ( 0)	
	follicular hyperplasia	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)	
{Circulatory system}																		
heart			<17>				<14>				<13>				<15>			
	thrombus	0 ( 0)	0 ( 0)	2 ( 12)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	
	necrosis:focal	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	2 ( 15)	0 ( 0)	0 ( 0)	0 ( 0)	2 ( 13)	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. : 0611  
 ANIMAL : MOUSE B6D2F1/Crlj[Crlj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 4

		Group Name	Control				1000 ppm				2000 ppm				4000 ppm			
		No. of Animals on Study	17				14				13				15			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Circulatory system)																		
heart	mineralization		<17>				<14>				<13>				<15>			
			1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			( 6 )	( 0 )	( 0 )	( 0 )	( 7 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	arteritis		<17>				<14>				<13>				<15>			
			0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
artery/aort	mineralization		<17>				<14>				<13>				<15>			
			0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
(Digestive system)																		
tongue	arteritis		<17>				<14>				<13>				<15>			
			0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	
salivary gl	xanthogranuloma		<17>				<14>				<13>				<15>			
			0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 14 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
stomach	ulcer:forestomach		<17>				<14>				<13>				<15>			
			1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
			( 6 )	( 0 )	( 0 )	( 0 )	( 7 )	( 0 )	( 0 )	( 0 )	( 8 )	( 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. : 0611  
 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	Group Name	Control				1000 ppm				2000 ppm				4000 ppm			
		No. of Animals on Study	17				14				13				15			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}																		
stomach			<17>				<14>				<13>				<15>			
	hyperplasia:forestomach		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		( 6)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	ulcer:glandular stomach		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)	( 0)
	hyperplasia:glandular stomach		1	0	0	0	3	0	0	0	2	0	0	0	1	0	0	0
		( 6)	( 0)	( 0)	( 0)	( 21)	( 0)	( 0)	( 0)	( 0)	( 15)	( 0)	( 0)	( 0)	( 7)	( 0)	( 0)	( 0)
liver			<17>				<14>				<13>				<15>			
	angiectasis		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)	( 7)	( 0)	( 0)
	hemorrhage		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)	( 7)	( 0)	( 0)	( 0)
	necrosis:central		1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0
		( 6)	( 0)	( 0)	( 0)	( 0)	( 7)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 7)	( 0)	( 0)	( 0)
	inflammatory cell nest		0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		( 0)	( 6)	( 0)	( 0)	( 7)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	acidophilic cell focus		0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0
	( 0)	( 0)	( 0)	( 0)	( 0)	( 7)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 7)	( 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. : 0611  
 ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 6

		Group Name	Control				1000 ppm				2000 ppm				4000 ppm			
		No. of Animals on Study	17				14				13				15			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Urinary system}																		
kidney			<17>				<14>				<13>				<15>			
	hyaline droplet		0	1	0	0	3	1	0	0	2	0	0	0	3	1	0	0
			( 0 )	( 6 )	( 0 )	( 0 )	( 21 )	( 7 )	( 0 )	( 0 )	( 15 )	( 0 )	( 0 )	( 0 )	( 20 )	( 7 )	( 0 )	( 0 )
	inflammatory infiltration		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 7 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	lymphocytic infiltration		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 7 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	inflammatory polyp		1	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0
		( 6 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 7 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 7 )	( 0 )	( 0 )	
	hydronephrosis		0	0	4	0	0	0	1	0	1	1	0	0	2	2	0	
			( 0 )	( 0 )	( 24 )	( 0 )	( 0 )	( 0 )	( 7 )	( 0 )	( 0 )	( 8 )	( 8 )	( 0 )	( 0 )	( 13 )	( 13 )	( 0 )
	mineralization:cortico-medullary junction		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	glomerulosclerosis		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 )
urin bladd			<17>				<14>				<13>				<15>			
	dilatation		0	1	5	0	0	0	4	0	0	0	3	0	0	0	2	0
			( 0 )	( 6 )	( 29 )	( 0 )	( 0 )	( 0 )	( 29 )	( 0 )	( 0 )	( 0 )	( 23 )	( 0 )	( 0 )	( 0 )	( 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 ; \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$  Test of Chi Square

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Crlj[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 17				1000 ppm 14				2000 ppm 13				4000 ppm 15			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Urinary system)																		
urin bladd	inflammation		<17>				<14>				<13>				<15>			
			0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
			( 0)	( 0)	( 0)	( 0)	( 14)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
(Endocrine system)																		
pituitary	thrombus		<17>				<14>				<13>				<14>			
			1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 6)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	cyst		1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			( 6)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 8)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	hyperplasia		0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0
			( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 15)	( 0)	( 0)	( 0)	( 14)	( 0)	( 0)	( 0)
	Rathke pouch		0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
			( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 8)	( 0)	( 0)	( 0)	( 7)	( 0)	( 0)	( 0)
adrenal	spindle-cell hyperplasia		<17>				<14>				<13>				<15>			
			0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
			( 0)	( 0)	( 0)	( 0)	( 7)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 7)	( 0)	( 0)	( 0)

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

(HPT150)

BAIS4

STUDY NO. : 0611  
 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 17				1000 ppm 14				2000 ppm 13				4000 ppm 15			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Reproductive system}																					
testis	mineralization	<17>				<14>				<13>				<15>							
		1	0	0	0	0	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)	( 0)	( 0)	( 0)
epididymis	spermatogenic granuloma	<17>				<14>				<13>				<15>							
		2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		( 12)	( 0)	( 0)	( 0)	( 7)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
semin ves	hemorrhage	<17>				<14>				<13>				<15>							
		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		( 0)	( 0)	( 0)	( 0)	( 7)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
prostate	inflammation	<17>				<14>				<13>				<15>							
		0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	0	1	0	0	0
		( 0)	( 6)	( 0)	( 0)	( 0)	( 0)	( 7)	( 0)	( 0)	( 0)	( 0)	( 0)	( 7)	( 0)	( 0)	( 0)	( 7)	( 0)	( 0)	( 0)
	granulation	<17>				<14>				<13>				<15>							
		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)	( 8)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
prep/cli gl	inflammation	<17>				<14>				<13>				<15>							
		0	1	0	0	0	0	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)	( 0)	( 0)
	hyperplasia	<17>				<14>				<13>				<15>							
		1	0	0	0	0	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)	( 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. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 9

		Group Name	Control				1000 ppm				2000 ppm				4000 ppm			
		No. of Animals on Study	17				14				13				15			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Nervous system)																		
brain	mineralization		3 ( 18)	0 ( 0)	0 ( 0)	0 ( 0)	2 ( 14)	0 ( 0)	0 ( 0)	0 ( 0)	1 ( 8)	0 ( 0)	0 ( 0)	0 ( 0)	1 ( 7)	0 ( 0)	0 ( 0)	0 ( 0)
	meningoencephalitis		0 ( 0)	1 ( 6)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)
(Special sense organs/appendage)																		
eye	degeneration:cornea		0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	1 ( 8)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)
	Harder gl hyperplasia		1 ( 6)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)
(Musculoskeletal system)																		
muscle	mineralization		1 ( 6)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)

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

(HPT150)

BAIS4

TABLE L3

HISTOPATHOLOGICAL FINDINGS :  
NON-NEOPLASTIC LESIONS : MALE  
SACRIFICED ANIMALS

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 1

Organ	Findings	Control				1000 ppm				2000 ppm				4000 ppm			
		No. of Animals on Study				36				37				35			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Integumentary system/appandage}																	
skin/app		<32>				<36>				<37>				<35>			
	ulcer	0	0	0	0	0	1	0	0	1	2	0	0	0	1	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 3 )	( 5 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )
	erosion	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 )
	scab	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		( 9 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
{Respiratory system}																	
nasal cavit		<32>				<36>				<37>				<35>			
	eosinophilic change:olfactory epithelium	8	1	0	0	2	0	0	0 *	1	0	0	0 *	1	0	0	0 *
		( 25 )	( 3 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )
	eosinophilic change:respiratory epithelium	4	0	0	0	4	0	0	0	2	0	0	0	1	0	0	0
		( 13 )	( 0 )	( 0 )	( 0 )	( 11 )	( 0 )	( 0 )	( 0 )	( 5 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )
	respiratory metaplasia:olfactory epithelium	8	0	0	0	16	0	0	0	19	1	0	0 *	23	10	0	0 **
		( 25 )	( 0 )	( 0 )	( 0 )	( 44 )	( 0 )	( 0 )	( 0 )	( 51 )	( 3 )	( 0 )	( 0 )	( 66 )	( 29 )	( 0 )	( 0 )
	respiratory metaplasia:gland	6	0	0	0	7	0	0	0	15	3	0	0 *	15	9	0	0 **
		( 19 )	( 0 )	( 0 )	( 0 )	( 19 )	( 0 )	( 0 )	( 0 )	( 41 )	( 8 )	( 0 )	( 0 )	( 43 )	( 26 )	( 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. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 2

		Group Name	Control				1000 ppm				2000 ppm				4000 ppm			
		No. of Animals on Study	32				36				37				35			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																		
nasal cavit			<32>				<36>				<37>				<35>			
	atrophy:olfactory epithelium		1	0	0	0	6	0	0	0	19	0	0	0 **	31	0	0	0 **
			( 3)	( 0)	( 0)	( 0)	( 17)	( 0)	( 0)	( 0)	( 51)	( 0)	( 0)	( 0)	( 89)	( 0)	( 0)	( 0)
nasopharynx			<32>				<36>				<37>				<35>			
	eosinophilic change		0	0	0	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)
lung			<32>				<36>				<37>				<35>			
	inflammatory infiltration		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)
	accumulation of foamy cells		3	0	0	0	4	0	0	0	8	0	0	0	3	0	0	0
			( 9)	( 0)	( 0)	( 0)	( 11)	( 0)	( 0)	( 0)	( 22)	( 0)	( 0)	( 0)	( 9)	( 0)	( 0)	( 0)
	bronchiolar-alveolar cell hyperplasia		1	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0
			( 3)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 3)	( 0)	( 0)	( 0)	( 6)	( 0)	( 0)	( 0)	
{Hematopoietic system}																		
bone marrow			<32>				<36>				<37>				<35>			
	increased hematopoiesis		2	0	0	0	1	0	0	0	1	0	0	0	2	0	0	0
			( 6)	( 0)	( 0)	( 0)	( 3)	( 0)	( 0)	( 0)	( 3)	( 0)	( 0)	( 0)	( 6)	( 0)	( 0)	( 0)

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

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 3

Organ	Findings	Group Name No. of Animals on Study				Control				1000 ppm				2000 ppm				4000 ppm			
		Grade				32				36				37				35			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Hematopoietic system}																					
bone marrow		<32>				<36>				<37>				<35>							
	myelofibrosis	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 )	( 0 )	( 0 )	( 0 )
	granulopoiesis:increased	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 )	( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
lymph node		<32>				<36>				<37>				<35>							
	granulation	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 )
	proliferation:histiocyte	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 )	( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
spleen		<32>				<36>				<37>				<35>							
	extramedullary hematopoiesis	15	6	0	0	12	3	0	0	16	3	0	0	14	6	0	0	0	0	0	0
		( 47 )	( 19 )	( 0 )	( 0 )	( 33 )	( 8 )	( 0 )	( 0 )	( 43 )	( 8 )	( 0 )	( 0 )	( 40 )	( 17 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	follicular hyperplasia	1	0	0	0	5	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0
		( 3 )	( 0 )	( 0 )	( 0 )	( 14 )	( 0 )	( 0 )	( 0 )	( 5 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
{Circulatory system}																					
heart		<32>				<36>				<37>				<35>							
	necrosis: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 )	( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )

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

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 4

Organ	Findings	Group Name No. of Animals on Study Grade				Control 32				1000 ppm 36				2000 ppm 37				4000 ppm 35			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Circulatory system}																					
heart	mineralization	<32>				<36>				<37>				<35>							
		1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
artery/aort	mineralization	<32>				<36>				<37>				<35>							
		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 )	( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
{Digestive system}																					
salivary gl	xanthogranuloma	<32>				<36>				<37>				<35>							
		0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )	( 5 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
stomach	erosion:forestomach	<32>				<36>				<37>				<35>							
		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 )	( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	ulcer:forestomach	<32>				<36>				<37>				<35>							
		1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	hyperplasia:forestomach	<32>				<36>				<37>				<35>							
		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 )

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. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 5

Organ	Findings	Group Name No. of Animals on Study Grade				Control 32				1000 ppm 36				2000 ppm 37				4000 ppm 35			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Digestive system)																					
stomach		<32>				<36>				<37>				<35>							
	erosion:glandular stomach	4 ( 13)	0 ( 0)	0 ( 0)	0 ( 0)	4 ( 11)	2 ( 6)	0 ( 0)	0 ( 0)	8 ( 22)	0 ( 0)	0 ( 0)	0 ( 0)	5 ( 14)	0 ( 0)	0 ( 0)	0 ( 0)				
	ulcer:glandular stomach	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)	1 ( 3)	0 ( 0)				
	hyperplasia:glandular stomach	16 ( 50)	0 ( 0)	0 ( 0)	0 ( 0)	16 ( 44)	1 ( 3)	0 ( 0)	0 ( 0)	15 ( 41)	0 ( 0)	0 ( 0)	0 ( 0)	12 ( 34)	0 ( 0)	0 ( 0)	0 ( 0)				
small intes		<32>				<36>				<37>				<35>							
	diverticula	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)				
	inflammation	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	1 ( 3)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)				
liver		<32>				<36>				<37>				<35>							
	angiectasis	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	1 ( 3)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)				
	necrosis:focal	1 ( 3)	1 ( 3)	0 ( 0)	0 ( 0)	2 ( 6)	1 ( 3)	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. : 0611  
 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				1000 ppm				2000 ppm				4000 ppm			
		No. of Animals on Study				36				37				35			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}																	
liver																	
	inflammatory cell nest	<32>				<36>				<37>				<35>			
		6	0	0	0	11	1	0	0	12	0	0	0	9	0	0	0
		( 19)	( 0)	( 0)	( 0)	( 31)	( 3)	( 0)	( 0)	( 32)	( 0)	( 0)	( 0)	( 26)	( 0)	( 0)	( 0)
	extramedullary hematopoiesis	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
		( 3)	( 0)	( 0)	( 0)	( 3)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 3)	( 0)	( 0)	( 0)
	clear cell focus	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
		( 0)	( 0)	( 3)	( 0)	( 0)	( 0)	( 0)	( 0)	( 3)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	acidophilic cell focus	1	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0
		( 3)	( 3)	( 0)	( 0)	( 3)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 3)	( 0)	( 0)
	basophilic cell focus	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0
		( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 3)	( 0)	( 0)	( 0)	( 6)	( 0)	( 0)	( 0)
	biliary 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)	( 3)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
gall bladd																	
	eosinophilic change	<32>				<36>				<37>				<35>			
		1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
		( 3)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 3)	( 0)	( 0)	( 0)	( 3)	( 0)	( 0)	( 0)
	hyperplasia	3	1	0	0	2	1	0	0	0	0	0	0	1	1	0	0
		( 9)	( 3)	( 0)	( 0)	( 6)	( 3)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 3)	( 3)	( 0)	( 0)

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

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

b : Number of animals with lesion

( c ) c : b / a \* 100

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

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 7

Organ	Findings	Group Name No. of Animals on Study Grade				Control 32				1000 ppm 36				2000 ppm 37				4000 ppm 35			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Digestive system)																					
pancreas		<32>				<36>				<37>				<35>							
	atrophy	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 )	( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	islet cell hyperplasia	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		( 3 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
(Urinary system)																					
kidney		<32>				<36>				<37>				<35>							
	hyperplasia:tubular epithelial cell	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 )
	atrophy	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 )	( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	cyst	0	0	0	0	0	1	0	0	1	0	0	0	0	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 )
	hyaline droplet	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 )	( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	inflammatory infiltration	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 )	( 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. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 8

Organ	Findings	Control No. of Animals on Study Grade				1000 ppm 36				2000 ppm 37				4000 ppm 35			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Urinary system)																	
kidney		<32>				<36>				<37>				<35>			
	lymphocytic infiltration	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		( 9 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	scar	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )
	inflammatory polyp	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0
		( 0 )	( 0 )	( 3 )	( 0 )	( 3 )	( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
urin bladd	hydronephrosis	0	1	1	0	0	2	2	0	0	0	1	0	0	0	1	0
		( 0 )	( 3 )	( 3 )	( 0 )	( 0 )	( 6 )	( 6 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )
	mineralization:cortex	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 )
	regeneration:proximal tubule	10	0	0	0	8	1	0	0	15	0	0	0	6	0	0	0
		( 31 )	( 0 )	( 0 )	( 0 )	( 22 )	( 3 )	( 0 )	( 0 )	( 41 )	( 0 )	( 0 )	( 0 )	( 17 )	( 0 )	( 0 )	( 0 )
	transitional cell hyperplasia	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 )
urin bladd		<32>				<36>				<37>				<35>			
	dilatation	1	0	0	0	0	0	0	0	0	1	2	0	1	0	1	0
		( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 3 )	( 5 )	( 0 )	( 3 )	( 0 )	( 3 )	( 0 )

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

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 9

Organ	Findings	Group Name No. of Animals on Study Grade				Control 32				1000 ppm 36				2000 ppm 37				4000 ppm 35			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Urinary system}																					
urin bladd		<32>				<36>				<37>				<35>							
	inflammation	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		( 6 )	( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	xanthogranuloma	0	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3	0	0	0
		( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
{Endocrine system}																					
pituitary		<32>				<35>				<37>				<34>							
	cyst	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	3	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	hyperplasia	3	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	3	0	0	0
		( 9 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	Rathke pouch	3	0	0	0	3	0	0	0	1	0	0	0	1	0	0	0	3	0	0	0
		( 9 )	( 0 )	( 0 )	( 0 )	( 9 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
thyroid		<32>				<36>				<37>				<35>							
	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 )	( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )

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

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

b : Number of animals with lesion

( c ) c : b / a \* 100

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



STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 10

		Group Name	Control				1000 ppm				2000 ppm				4000 ppm			
		No. of Animals on Study	32				36				37				35			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
{Endocrine system}																		
parathyroid	cyst		<32>				<36>				<37>				<35>			
		2	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
			( 6)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 3)	( 0)	( 0)	( 0)	( 0)	( 3)	( 0)	( 0)
adrenal	spindle-cell hyperplasia		<32>				<36>				<37>				<35>			
		5	0	0	0	0	5	0	0	0	8	0	0	0	3	0	0	0
		( 16)	( 0)	( 0)	( 0)	( 0)	( 14)	( 0)	( 0)	( 0)	( 22)	( 0)	( 0)	( 0)	( 9)	( 0)	( 0)	( 0)
	hyperplasia:cortical cell	1	0	0	0	0	3	0	0	0	1	0	0	0	0	0	0	0
			( 3)	( 0)	( 0)	( 0)	( 8)	( 0)	( 0)	( 0)	( 3)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	hyperplasia:medulla	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)	( 0)
{Reproductive system}																		
testis	mineralization		<32>				<36>				<37>				<35>			
		4	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0
			( 13)	( 0)	( 0)	( 0)	( 6)	( 0)	( 0)	( 0)	( 5)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
epididymis	lymphocytic infiltration		<32>				<36>				<37>				<35>			
		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)	( 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. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 11

Organ	Findings	Group Name No. of Animals on Study Grade	Control 32				1000 ppm 36				2000 ppm 37				4000 ppm 35			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Reproductive system}																		
epididymis	granulation		<32>				<36>				<37>				<35>			
			1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
			( 3)	( 0)	( 0)	( 0)	( 3)	( 0)	( 0)	( 0)	( 3)	( 0)	( 0)	( 0)	( 3)	( 0)	( 0)	( 0)
	spermatogenic granuloma		5	0	0	0	1	0	0	0	1	1	0	0	1	0	0	0
			( 16)	( 0)	( 0)	( 0)	( 3)	( 0)	( 0)	( 0)	( 3)	( 3)	( 0)	( 0)	( 3)	( 0)	( 0)	( 0)
semin ves	degeneration		<32>				<36>				<37>				<35>			
			0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
			( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 3)	( 0)	( 0)
prostate	inflammation		<32>				<36>				<37>				<35>			
			0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
			( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 5)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
{Nervous system}																		
brain	mineralization		<32>				<36>				<37>				<35>			
			7	0	0	0	6	0	0	0	7	0	0	0	5	0	0	0
			( 22)	( 0)	( 0)	( 0)	( 17)	( 0)	( 0)	( 0)	( 19)	( 0)	( 0)	( 0)	( 14)	( 0)	( 0)	( 0)
{Special sense organs/appendage}																		
eye	keratitis		<32>				<36>				<37>				<35>			
			0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 0)	( 3)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)

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

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Crj[Crlj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 12

Organ_____	Findings_____	Control				1000 ppm				2000 ppm				4000 ppm			
		No. of Animals on Study				36				37				35			
		Grade															
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)

{Special sense organs/appendage}

eye	degeneration:cornea	<32>				<36>				<37>				<35>			
		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 )

Harder gl	hyperplasia	<32>				<36>				<37>				<35>			
		0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )

{Musculoskeletal system}

bone	fracture	<32>				<36>				<37>				<35>			
		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 )
	osteosclerosis	<32>				<36>				<37>				<35>			
		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 )

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

TABLE L4

HISTOPATHOLOGICAL FINDINGS :  
NON-NEOPLASTIC LESIONS : FEMALE  
ALL ANIMALS

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 16

Organ	Findings	Group Name No. of Animals on Study				Control 50				1000 ppm 50				2000 ppm 50				4000 ppm 50			
		Grade																			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Integumentary system/appandage}																					
skin/app		<50>				<49>				<50>				<50>				<50>			
	squamous cell hyperplasia	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
{Respiratory system}																					
nasal cavit		<50>				<50>				<50>				<50>				<50>			
	exudate	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	eosinophilic change:olfactory epithelium	11	0	0	0	11	0	0	0	7	0	0	0	6	0	0	0	6	0	0	0
		( 22 )	( 0 )	( 0 )	( 0 )	( 22 )	( 0 )	( 0 )	( 0 )	( 14 )	( 0 )	( 0 )	( 0 )	( 12 )	( 0 )	( 0 )	( 0 )	( 12 )	( 0 )	( 0 )	( 0 )
	eosinophilic change:respiratory epithelium	36	5	0	0	30	5	0	0	38	4	0	0	35	6	0	0	35	6	0	0
		( 72 )	( 10 )	( 0 )	( 0 )	( 60 )	( 10 )	( 0 )	( 0 )	( 76 )	( 8 )	( 0 )	( 0 )	( 70 )	( 12 )	( 0 )	( 0 )	( 70 )	( 12 )	( 0 )	( 0 )
	respiratory metaplasia:olfactory epithelium	4	0	0	0	10	0	0	0	20	1	0	0 **	40	10	0	0 **	40	10	0	0 **
		( 8 )	( 0 )	( 0 )	( 0 )	( 20 )	( 0 )	( 0 )	( 0 )	( 40 )	( 2 )	( 0 )	( 0 )	( 80 )	( 20 )	( 0 )	( 0 )	( 80 )	( 20 )	( 0 )	( 0 )
	respiratory metaplasia:gland	7	0	0	0	4	0	0	0	18	1	0	0 *	27	10	0	0 **	27	10	0	0 **
		( 14 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 36 )	( 2 )	( 0 )	( 0 )	( 54 )	( 20 )	( 0 )	( 0 )	( 54 )	( 20 )	( 0 )	( 0 )
	inflammation:transitional epithelium	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )

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. : 0611  
 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				Control 50				1000 ppm 50				2000 ppm 50				4000 ppm 50			
		Grade																			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																					
nasal cavit		<50>				<50>				<50>				<50>				<50>			
	atrophy:olfactory epithelium	0	0	0	0	26	0	0	0 **	40	2	0	0 **	40	0	0	0 **	40	0	0	0 **
		( 0 )	( 0 )	( 0 )	( 0 )	( 52 )	( 0 )	( 0 )	( 0 )	( 80 )	( 4 )	( 0 )	( 0 )	( 80 )	( 0 )	( 0 )	( 0 )	( 80 )	( 0 )	( 0 )	( 0 )
	necrosis:olfactory epithelium	1	0	0	0	5	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0
		( 2 )	( 0 )	( 0 )	( 0 )	( 10 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )
nasopharynx		<50>				<50>				<50>				<50>				<50>			
	eosinophilic change	3	4	0	0	7	5	0	0	5	2	0	0	6	6	0	0	6	6	0	0
		( 6 )	( 8 )	( 0 )	( 0 )	( 14 )	( 10 )	( 0 )	( 0 )	( 10 )	( 4 )	( 0 )	( 0 )	( 12 )	( 12 )	( 0 )	( 0 )	( 12 )	( 12 )	( 0 )	( 0 )
lung		<50>				<50>				<50>				<50>				<50>			
	inflammatory infiltration	4	0	0	0	3	0	0	0	3	0	0	0	8	0	0	0	8	0	0	0
		( 8 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 16 )	( 0 )	( 0 )	( 0 )	( 16 )	( 0 )	( 0 )	( 0 )
	lymphocytic infiltration	1	0	0	0	5	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0
		( 2 )	( 0 )	( 0 )	( 0 )	( 10 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )
	accumulation of foamy cells	2	0	0	0	2	0	0	0	1	1	0	0	5	0	0	0	5	0	0	0
		( 4 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 2 )	( 2 )	( 0 )	( 0 )	( 10 )	( 0 )	( 0 )	( 0 )	( 10 )	( 0 )	( 0 )	( 0 )
	bronchiolar-alveolar cell 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 )	( 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 ; \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$  Test of Chi Square

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 18

Organ	Findings	Group Name	Control				1000 ppm				2000 ppm				4000 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
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Hematopoietic system)																		
bone marrow	increased hematopoiesis		<50>				<50>				<50>				<50>			
		1	0	0	0	3	0	0	0	1	0	0	0	2	0	0	0	
		( 2)	( 0)	( 0)	( 0)	( 6)	( 0)	( 0)	( 0)	( 2)	( 0)	( 0)	( 0)	( 4)	( 0)	( 0)	( 0)	
lymph node	follicular hyperplasia		<50>				<50>				<50>				<50>			
		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)	
spleen	deposit of hemosiderin		<50>				<50>				<50>				<50>			
		0	0	0	0	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)
	deposit of melanin		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)	( 0)
extramedullary hematopoiesis		12	5	2	0	13	9	3	0	9	8	6	0	11	4	1	0	
		( 24)	( 10)	( 4)	( 0)	( 26)	( 18)	( 6)	( 0)	( 18)	( 16)	( 12)	( 0)	( 22)	( 8)	( 2)	( 0)	
follicular hyperplasia		3	0	0	0	4	2	0	0	2	0	0	0	2	1	0	0	
		( 6)	( 0)	( 0)	( 0)	( 8)	( 4)	( 0)	( 0)	( 4)	( 0)	( 0)	( 0)	( 4)	( 2)	( 0)	( 0)	
(Circulatory system)																		
heart	thrombus		<50>				<50>				<50>				<50>			
		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
		( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 2)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	

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

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

b b : Number of animals with lesion

( c ) c : b / a \* 100

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

STUDY NO. : 0611  
 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				1000 ppm				2000 ppm				4000 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
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Circulatory system}																		
heart			<50>				<50>				<50>				<50>			
	necrosis:focal		2	2	0	0	2	1	0	0	0	0	0	0	2	0	0	0
			( 4)	( 4)	( 0)	( 0)	( 4)	( 2)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 4)	( 0)	( 0)	( 0)
	mineralization		1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
			( 2)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 2)	( 0)	( 0)	( 0)	( 2)	( 0)	( 0)	( 0)
	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)
artery/aort			<50>				<50>				<50>				<50>			
	arteritis		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)
{Digestive system}																		
tongue			<50>				<50>				<50>				<50>			
	arteritis		1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
			( 2)	( 0)	( 0)	( 0)	( 4)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
salivary gl			<50>				<50>				<50>				<50>			
	lymphocytic infiltration		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)	( 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. : 0611  
 ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 20

		Group Name	Control				1000 ppm				2000 ppm				4000 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}																		
salivary gl			<50>				<50>				<50>				<50>			
	xanthogranuloma		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 )	( 0 )	( 0 )
stomach			<50>				<50>				<50>				<50>			
	ulcer:forestomach		1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
			( 2 )	( 2 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	hyperplasia:forestomach		0	1	0	0	0	1	0	0	1	0	0	0	1	1	0	0
			( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 2 )	( 2 )	( 0 )	( 0 )
	erosion:glandular stomach		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 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )
	ulcer:glandular stomach		0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 2 )	( 0 )	( 0 )	
	hyperplasia:glandular stomach		10	0	0	0	10	0	0	11	0	0	0	14	0	0	0	
			( 20 )	( 0 )	( 0 )	( 0 )	( 20 )	( 0 )	( 0 )	( 22 )	( 0 )	( 0 )	( 0 )	( 28 )	( 0 )	( 0 )	( 0 )	
	squamous cell metaplasia:glandular stomach		1	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 )
liver			<50>				<50>				<50>				<50>			
	angiectasis		3	0	0	0	0	1	0	0	0	0	0	0	4	2	0	0
			( 6 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 8 )	( 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. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 21

Organ_____	Findings_____	Group Name	Control				1000 ppm				2000 ppm				4000 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
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}																		
liver			<50>				<50>				<50>				<50>			
	necrosis:central		0	0	0	0	1	1	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 )
	necrosis:focal		1	0	0	0	0	1	0	0	0	2	0	0	1	0	0	0
			( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )
	granulation		0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0
			( 0 )	( 2 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )
	inflammatory cell nest		18	0	0	0	12	0	0	0	19	3	0	0	24	2	0	0
			( 36 )	( 0 )	( 0 )	( 0 )	( 24 )	( 0 )	( 0 )	( 0 )	( 38 )	( 6 )	( 0 )	( 0 )	( 48 )	( 4 )	( 0 )	( 0 )
	extramedullary hematopoiesis		4	0	0	0	2	0	0	0	4	0	0	0	3	0	0	0
			( 8 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )
	clear cell focus		0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 2 )	( 2 )	( 2 )	( 0 )
	acidophilic cell focus		0	0	2	0	0	1	0	0	0	1	0	0	0	3	0	0
			( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )
	basophilic cell focus		0	0	0	0	0	0	0	0	1	0	0	0	0	1	2	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 4 )	( 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. : 0611  
 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				Control				1000 ppm				2000 ppm				4000 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}																					
liver	biliary cyst	<50>				<50>				<50>				<50>				<50>			
		0	0	0	0	1	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )
gall bladd	inflammation	<50>				<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 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	hyperplasia	4	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		( 8 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
pancreas	inflammatory infiltration	<50>				<50>				<50>				<50>				<50>			
		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	lymphocytic infiltration	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	islet cell hyperplasia	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 )
{Urinary system}																					
kidney	cyst	<50>				<50>				<50>				<50>				<50>			
		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		( 0 )	( 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

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/CrLj[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 23

Organ	Findings	Group Name	Control				1000 ppm				2000 ppm				4000 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
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Urinary system}																		
kidney			<50>				<50>				<50>				<50>			
	hyaline droplet	9 ( 18 )	2 ( 4 )	0 ( 0 )	0 ( 0 )	4 ( 8 )	5 ( 10 )	0 ( 0 )	0 ( 0 )	5 ( 10 )	6 ( 12 )	0 ( 0 )	0 ( 0 )	2 ( 4 )	3 ( 6 )	0 ( 0 )	0 ( 0 )	
	deposit of amyloid	0 ( 0 )	2 ( 4 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	
	deposit of hemosiderin	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	2 ( 4 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	
	hyaline cast	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	1 ( 2 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	
	inflammatory infiltration	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	1 ( 2 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	1 ( 2 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	
	lymphocytic infiltration	4 ( 8 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	3 ( 6 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	2 ( 4 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	6 ( 12 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	
	inflammatory polyp	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	1 ( 2 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	1 ( 2 )	0 ( 0 )	0 ( 0 )	1 ( 2 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	
ossification	1 ( 2 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	0 ( 0 )	1 ( 2 )	0 ( 0 )	0 ( 0 )	1 ( 2 )	0 ( 0 )	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. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 24

Organ	Findings	Group Name No. of Animals on Study				Control 50				1000 ppm 50				2000 ppm 50				4000 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>			
	hydronephrosis	0	1	0	0	1	2	1	0	2	1	1	0	0	2	2	0	0	2	2	0
		( 0 )	( 2 )	( 0 )	( 0 )	( 2 )	( 4 )	( 2 )	( 0 )	( 4 )	( 2 )	( 2 )	( 0 )	( 0 )	( 4 )	( 4 )	( 0 )	( 0 )	( 4 )	( 4 )	( 0 )
	mineralization:cortex	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )
	glomerulosclerosis	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 )	( 0 )
	regeneration:proximal tubule	2	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0
		( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	vacuolic change:proximal tubule	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
urin bladd		<50>				<50>				<50>				<50>				<50>			
	inflammation	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	lymphocytic infiltration	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 )
{Endocrine system}																					
pituitary		<50>				<50>				<50>				<50>				<50>			
	angiectasis	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )

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

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

b 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. : 0611  
 ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 25

Organ	Findings	Group Name No. of Animals on Study				Control 50				1000 ppm 50				2000 ppm 50				4000 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	cyst	<50>				<50>				<50>				<50>				<50>			
		1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		( 2)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 2)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	hyperplasia	9	8	3	0	6	2	7	0	7	4	1	0	11	3	1	0				
		( 18)	( 16)	( 6)	( 0)	( 12)	( 4)	( 14)	( 0)	( 14)	( 8)	( 2)	( 0)	( 22)	( 6)	( 2)	( 0)				
thyroid	cyst	<50>				<50>				<50>				<50>				<50>			
		0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		( 0)	( 0)	( 0)	( 0)	( 2)	( 0)	( 0)	( 0)	( 2)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	vacuolar change:follicular cell	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 2)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
parathyroid	cyst	<50>				<50>				<50>				<50>				<50>			
		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0				
		( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 2)	( 0)	( 0)	( 0)				
adrenal	vacuolic change	<50>				<50>				<50>				<50>				<50>			
		0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
		( 0)	( 2)	( 0)	( 0)	( 0)	( 2)	( 0)	( 0)	( 0)	( 2)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 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)	( 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 : 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. : 0611  
 ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 26

Organ	Findings	Group Name No. of Animals on Study Grade	Control 50				1000 ppm 50				2000 ppm 50				4000 ppm 50			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Endocrine system}																		
adrenal	spindle-cell hyperplasia		27 ( 54)	0 ( 0)	0 ( 0)	0 ( 0)	14 ( 28)	1 ( 2)	0 ( 0)	0 ( 0)	10 ( 20)	0 ( 0)	0 ( 0)	0 ( 0)	25 ( 50)	0 ( 0)	0 ( 0)	0 ( 0)
	hyperplasia:cortical cell		0 ( 0)	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)
{Reproductive system}																		
ovary	thrombus		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)	1 ( 2)	0 ( 0)	0 ( 0)
	cyst		12 ( 24)	0 ( 0)	0 ( 0)	0 ( 0)	9 ( 18)	0 ( 0)	0 ( 0)	0 ( 0)	17 ( 34)	0 ( 0)	0 ( 0)	0 ( 0)	16 ( 32)	0 ( 0)	0 ( 0)	0 ( 0)
uterus	cystic endometrial hyperplasia		30 ( 60)	1 ( 2)	0 ( 0)	0 ( 0)	33 ( 66)	1 ( 2)	0 ( 0)	0 ( 0)	26 ( 52)	1 ( 2)	0 ( 0)	0 ( 0)	28 ( 56)	2 ( 4)	2 ( 4)	0 ( 0)
	hyperplasia		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)

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. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 27

Organ	Findings	Group Name No. of Animals on Study				Control				1000 ppm				2000 ppm				4000 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
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Nervous system}																					
brain	mineralization	<50>				<50>				<50>				<50>				<50>			
		2	0	0	0	2	0	0	0	4	0	0	0	3	0	0	0	3	0	0	0
		( 4 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )	( 6 )	( 0 )	( 0 )	( 0 )
{Special sense organs/appendage}																					
eye	keratitis	<50>				<50>				<50>				<50>				<50>			
		0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )
Harder gl	hyperplasia	<50>				<50>				<50>				<50>				<50>			
		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 )
{Musculoskeletal system}																					
muscle	mineralization	<50>				<50>				<50>				<50>				<50>			
		0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )	( 2 )	( 0 )	( 0 )	( 0 )
	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 )	( 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 : Number of animals with lesion  
 ( c ) c : b / a \* 100  
 Significant difference ; \* : P ≤ 0.05 \*\* : P ≤ 0.01 Test of Chi Square



STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 28

Organ	Findings	Group Name No. of Animals on Study Grade	Control 50				1000 ppm 50				2000 ppm 50				4000 ppm 50			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)

(Musculoskeletal system)

bone	osteosclerosis	<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 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

TABLE L5

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

STUDY NO. : 0611  
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]  
REPORT TYPE : A1  
SEX : FEMALE

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

PAGE : 10

		Group Name	Control				1000 ppm				2000 ppm				4000 ppm			
		No. of Animals on Study	25				24				25				13			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Respiratory system)																		
nasal cavit			<25>				<24>				<25>				<13>			
	eosinophilic change:olfactory epithelium		4	0	0	0	3	0	0	0	4	0	0	0	3	0	0	0
			( 16)	( 0)	( 0)	( 0)	( 13)	( 0)	( 0)	( 0)	( 16)	( 0)	( 0)	( 0)	( 23)	( 0)	( 0)	( 0)
	eosinophilic change:respiratory epithelium		18	1	0	0	10	4	0	0	17	2	0	0	6	2	0	0
			( 72)	( 4)	( 0)	( 0)	( 42)	( 17)	( 0)	( 0)	( 68)	( 8)	( 0)	( 0)	( 46)	( 15)	( 0)	( 0)
	respiratory metaplasia:olfactory epithelium		3	0	0	0	2	0	0	0	9	0	0	0	9	4	0	0 **
			( 12)	( 0)	( 0)	( 0)	( 8)	( 0)	( 0)	( 0)	( 36)	( 0)	( 0)	( 0)	( 69)	( 31)	( 0)	( 0)
	respiratory metaplasia:gland		2	0	0	0	0	0	0	0	7	0	0	0	7	2	0	0 **
		( 8)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 28)	( 0)	( 0)	( 0)	( 54)	( 15)	( 0)	( 0)	
	inflammation:transitional epithelium		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 4)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	atrophy:olfactory epithelium		0	0	0	0	12	0	0	0 **	20	1	0	0 **	6	0	0	0 **
			( 0)	( 0)	( 0)	( 0)	( 50)	( 0)	( 0)	( 0)	( 80)	( 4)	( 0)	( 0)	( 46)	( 0)	( 0)	( 0)
	necrosis:olfactory epithelium		0	0	0	0	4	0	0	0	2	0	0	0	2	0	0	0
			( 0)	( 0)	( 0)	( 0)	( 17)	( 0)	( 0)	( 0)	( 8)	( 0)	( 0)	( 0)	( 15)	( 0)	( 0)	( 0)
	nasopharynx		<25>				<24>				<25>				<13>			
		eosinophilic change		1	2	0	0	5	3	0	0	2	1	0	0	3	3	0
			( 4)	( 8)	( 0)	( 0)	( 21)	( 13)	( 0)	( 0)	( 8)	( 4)	( 0)	( 0)	( 23)	( 23)	( 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. : 0611  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : FEMALE

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

PAGE : 11

Organ	Findings	Group Name No. of Animals on Study Grade	Control 25				1000 ppm 24				2000 ppm 25				4000 ppm 13			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Respiratory system)																		
lung	inflammatory infiltration		<25>				<24>				<25>				<13>			
			2	0	0	0	3	0	0	0	2	0	0	0	3	0	0	0
			( 8 )	( 0 )	( 0 )	( 0 )	( 13 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 23 )	( 0 )	( 0 )	( 0 )
	lymphocytic infiltration		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 )	( 0 )	( 0 )	( 0 )	( 0 )
	accumulation of foamy cells		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 )
(Hematopoietic system)																		
bone marrow	increased hematopoiesis		<25>				<24>				<25>				<13>			
			1	0	0	0	3	0	0	0	1	0	0	0	0	0	0	0
			( 4 )	( 0 )	( 0 )	( 0 )	( 13 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
spleen	deposit of melanin		<25>				<24>				<25>				<13>			
			1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	extramedullary hematopoiesis		5	3	2	0	3	8	3	0	2	7	6	0	1	3	0	0
			( 20 )	( 12 )	( 8 )	( 0 )	( 13 )	( 33 )	( 13 )	( 0 )	( 8 )	( 28 )	( 24 )	( 0 )	( 8 )	( 23 )	( 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. : 0611  
 ANIMAL : MOUSE B6D2F1/CrLj[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 12

Organ	Findings	Group Name No. of Animals on Study Grade				Control 25				1000 ppm 24				2000 ppm 25				4000 ppm 13			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Circulatory system}																					
heart	thrombus	<25>				<24>				<25>				<13>							
		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 )
	necrosis:focal	2	2	0	0	2	1	0	0	0	0	0	0	2	0	0	0	2	0	0	0
		( 8 )	( 8 )	( 0 )	( 0 )	( 8 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 15 )	( 0 )	( 0 )	( 0 )	( 15 )	( 0 )	( 0 )	( 0 )
		( 8 )	( 8 )	( 0 )	( 0 )	( 8 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 15 )	( 0 )	( 0 )	( 0 )	( 15 )	( 0 )	( 0 )	( 0 )
	mineralization	1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
		( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )
		( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )
artery/aort	arteritis	<25>				<24>				<25>				<13>							
		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 )
{Digestive system}																					
tongue	arteritis	<25>				<24>				<25>				<13>							
		1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		( 4 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
salivary gl	xanthogranuloma	<25>				<24>				<25>				<13>							
		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 )	( 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. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 13

Organ	Findings	Group Name No. of Animals on Study Grade	Control 25				1000 ppm 24				2000 ppm 25				4000 ppm 13			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}																		
stomach			<25>				<24>				<25>				<13>			
	hyperplasia: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 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	hyperplasia:glandular stomach		1	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0
			( 4 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	squamous cell metaplasia:glandular stomach		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
liver			<25>				<24>				<25>				<13>			
	angiectasis		1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
			( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )
	necrosis:central		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 )	( 0 )	( 0 )	( 0 )	( 0 )
	necrosis:focal		1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0
			( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )
	inflammatory cell nest		1	0	0	0	0	0	0	0	2	1	0	0	1	0	0	0
			( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 8 )	( 4 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )
	extramedullary hematopoiesis		0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )

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. : 0611  
 ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 14

Organ	Findings	Group Name No. of Animals on Study Grade	Control 25				1000 ppm 24				2000 ppm 25				4000 ppm 13			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Digestive system)																		
liver	acidophilic cell focus		<25>				<24>				<25>				<13>			
			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 )	( 8 )	( 0 )	( 0 )
gall bladd	hyperplasia		<25>				<24>				<25>				<13>			
			1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
(Urinary system)																		
kidney	cyst		<25>				<24>				<25>				<13>			
			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 )	( 0 )	( 0 )	( 0 )	( 0 )
	hyaline droplet		<25>				<24>				<25>				<13>			
			7	2	0	0	2	5	0	0	5	6	0	0	2	2	0	0
			( 28 )	( 8 )	( 0 )	( 0 )	( 8 )	( 21 )	( 0 )	( 0 )	( 20 )	( 24 )	( 0 )	( 0 )	( 15 )	( 15 )	( 0 )	( 0 )
	deposit of amyloid		<25>				<24>				<25>				<13>			
			0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	deposit of hemosiderin		<25>				<24>				<25>				<13>			
			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 )	( 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. : 0611  
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	Control				1000 ppm				2000 ppm				4000 ppm			
		No. of Animals on Study	25				24				25				13			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Urinary system}																		
kidney			<25>				<24>				<25>				<13>			
	hyaline cast		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 )
	inflammatory infiltration		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 )	( 0 )	( 0 )	( 0 )	( 0 )
	lymphocytic infiltration		1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	inflammatory polyp		0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )
	hydronephrosis		0	1	0	0	1	2	1	0	0	1	1	0	0	1	2	0
			( 0 )	( 4 )	( 0 )	( 0 )	( 4 )	( 8 )	( 4 )	( 0 )	( 0 )	( 4 )	( 4 )	( 0 )	( 0 )	( 8 )	( 15 )	( 0 )
	regeneration:proximal tubule		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	vacuolic change:proximal tubule		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
{Endocrine system}																		
pituitary			<25>				<24>				<25>				<13>			
	angiectasis		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 )	( 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. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 16

Organ	Findings	Group Name No. of Animals on Study Grade	Control 25				1000 ppm 24				2000 ppm 25				4000 ppm 13			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Endocrine system)																		
pituitary	hyperplasia		<25>				<24>				<25>				<13>			
			3	3	1	0	2	0	1	0	2	1	1	0	1	0	0	0
			( 12)	( 12)	( 4)	( 0)	( 8)	( 0)	( 4)	( 0)	( 8)	( 4)	( 4)	( 0)	( 8)	( 0)	( 0)	( 0)
thyroid	vacuolar change:follicular cell		<25>				<24>				<25>				<13>			
			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)
adrenal	extramedullary hematopoiesis		<25>				<24>				<25>				<13>			
			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)
	spindle-cell hyperplasia		<25>				<24>				<25>				<13>			
			10	0	0	0	4	0	0	0	2	0	0	0 *	3	0	0	0
			( 40)	( 0)	( 0)	( 0)	( 17)	( 0)	( 0)	( 0)	( 8)	( 0)	( 0)	( 0)	( 23)	( 0)	( 0)	( 0)
(Reproductive system)																		
ovary	cyst		<25>				<24>				<25>				<13>			
			2	0	0	0	1	0	0	0	5	0	0	0	0	0	0	0
			( 8)	( 0)	( 0)	( 0)	( 4)	( 0)	( 0)	( 0)	( 20)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
uterus	cystic endometrial hyperplasia		<25>				<24>				<25>				<13>			
			11	0	0	0	12	0	0	0	8	0	0	0	4	0	0	0
			( 44)	( 0)	( 0)	( 0)	( 50)	( 0)	( 0)	( 0)	( 32)	( 0)	( 0)	( 0)	( 31)	( 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. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 17

		Group Name	Control				1000 ppm				2000 ppm				4000 ppm			
		No. of Animals on Study	25				24				25				13			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Nervous system}																		
brain			<25>				<24>				<25>				<13>			
	mineralization		0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
{Special sense organs/appendage}																		
Harder gl			<25>				<24>				<25>				<13>			
	hyperplasia		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
{Musculoskeletal system}																		
muscle			<25>				<24>				<25>				<13>			
	mineralization		0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )
	lymphocytic infiltration		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 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 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

TABLE L6

HISTOPATHOLOGICAL FINDINGS :  
NON-NEOPLASTIC LESIONS : FEMALE  
SACRIFICED ANIMALS

STUDY NO. : 0611  
 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				1000 ppm				2000 ppm				4000 ppm			
		No. of Animals on Study	25				26				25				37			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Integumentary system/appandage}																		
skin/app			<25>				<26>				<25>				<37>			
	squamous cell hyperplasia		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
{Respiratory system}																		
nasal cavit			<25>				<26>				<25>				<37>			
	exudate		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 )	( 0 )	( 0 )	( 0 )	( 0 )
	eosinophilic change:olfactory epithelium		7	0	0	0	8	0	0	0	3	0	0	0	3	0	0	0
			( 28 )	( 0 )	( 0 )	( 0 )	( 31 )	( 0 )	( 0 )	( 0 )	( 12 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )
	eosinophilic change:respiratory epithelium		18	4	0	0	20	1	0	0	21	2	0	0	29	4	0	0
			( 72 )	( 16 )	( 0 )	( 0 )	( 77 )	( 4 )	( 0 )	( 0 )	( 84 )	( 8 )	( 0 )	( 0 )	( 78 )	( 11 )	( 0 )	( 0 )
	respiratory metaplasia:olfactory epithelium		1	0	0	0	8	0	0	0 *	11	1	0	0 **	31	6	0	0 **
			( 4 )	( 0 )	( 0 )	( 0 )	( 31 )	( 0 )	( 0 )	( 0 )	( 44 )	( 4 )	( 0 )	( 0 )	( 84 )	( 16 )	( 0 )	( 0 )
	respiratory metaplasia:gland		5	0	0	0	4	0	0	0	11	1	0	0	20	8	0	0 **
			( 20 )	( 0 )	( 0 )	( 0 )	( 15 )	( 0 )	( 0 )	( 0 )	( 44 )	( 4 )	( 0 )	( 0 )	( 54 )	( 22 )	( 0 )	( 0 )
	inflammation:transitional epithelium		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 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. : 0611  
 ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 14

Organ	Findings	Control				1000 ppm				2000 ppm				4000 ppm			
		25				26				25				37			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																	
nasal cavit		<25>				<26>				<25>				<37>			
	atrophy:olfactory epithelium	0	0	0	0	14	0	0	0 **	20	1	0	0 **	34	0	0	0 **
		( 0 )	( 0 )	( 0 )	( 0 )	( 54 )	( 0 )	( 0 )	( 0 )	( 80 )	( 4 )	( 0 )	( 0 )	( 92 )	( 0 )	( 0 )	( 0 )
	necrosis:olfactory epithelium	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		( 4 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
nasopharynx		<25>				<26>				<25>				<37>			
	eosinophilic change	2	2	0	0	2	2	0	0	3	1	0	0	3	3	0	0
		( 8 )	( 8 )	( 0 )	( 0 )	( 8 )	( 8 )	( 0 )	( 0 )	( 12 )	( 4 )	( 0 )	( 0 )	( 8 )	( 8 )	( 0 )	( 0 )
lung		<25>				<26>				<25>				<37>			
	inflammatory infiltration	2	0	0	0	0	0	0	0	1	0	0	0	5	0	0	0
		( 8 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 14 )	( 0 )	( 0 )	( 0 )
	lymphocytic infiltration	1	0	0	0	4	0	0	0	0	0	0	0	2	0	0	0
		( 4 )	( 0 )	( 0 )	( 0 )	( 15 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 5 )	( 0 )	( 0 )	( 0 )
	accumulation of foamy cells	2	0	0	0	2	0	0	0	0	1	0	0	5	0	0	0
		( 8 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 14 )	( 0 )	( 0 )	( 0 )
	bronchiolar-alveolar cell 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 )

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. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 15

Organ	Findings	Control				1000 ppm				2000 ppm				4000 ppm			
		No. of Animals on Study				25				25				37			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Hematopoietic system}																	
bone marrow		<25>				<26>				<25>				<37>			
	increased hematopoiesis	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 5 )	( 0 )	( 0 )	( 0 )
lymph node		<25>				<26>				<25>				<37>			
	follicular hyperplasia	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
spleen		<25>				<26>				<25>				<37>			
	deposit of hemosiderin	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )
	extramedullary hematopoiesis	7	2	0	0	10	1	0	0	7	1	0	0	10	1	1	0
		( 28 )	( 8 )	( 0 )	( 0 )	( 38 )	( 4 )	( 0 )	( 0 )	( 28 )	( 4 )	( 0 )	( 0 )	( 27 )	( 3 )	( 3 )	( 0 )
	follicular hyperplasia	3	0	0	0	4	2	0	0	2	0	0	0	2	1	0	0
		( 12 )	( 0 )	( 0 )	( 0 )	( 15 )	( 8 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 5 )	( 3 )	( 0 )	( 0 )
{Circulatory system}																	
heart		<25>				<26>				<25>				<37>			
	inflammatory infiltration	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )

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. : 0611  
 ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 16

		Group Name	Control				1000 ppm				2000 ppm				4000 ppm			
		No. of Animals on Study	25				26				25				37			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Digestive system)																		
tongue			<25>				<26>				<25>				<37>			
	arteritis		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 )	( 0 )	( 0 )	( 0 )	( 0 )
salivary gl			<25>				<26>				<25>				<37>			
	lymphocytic infiltration		0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
			( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )
stomach			<25>				<26>				<25>				<37>			
	ulcer:forestomach		1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
			( 4 )	( 4 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
			<25>				<26>				<25>				<37>			
	hyperplasia:forestomach		0	1	0	0	0	1	0	0	0	0	0	0	1	1	0	0
			( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 3 )	( 3 )	( 0 )	( 0 )
			<25>				<26>				<25>				<37>			
	erosion:glandular stomach		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 )	( 5 )	( 0 )	( 0 )	( 0 )
			<25>				<26>				<25>				<37>			
	ulcer:glandular stomach		0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
			( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 3 )	( 3 )	( 0 )	( 0 )
			<25>				<26>				<25>				<37>			
	hyperplasia:glandular stomach		9	0	0	0	9	0	0	0	9	0	0	0	14	0	0	0
			( 36 )	( 0 )	( 0 )	( 0 )	( 35 )	( 0 )	( 0 )	( 0 )	( 36 )	( 0 )	( 0 )	( 0 )	( 38 )	( 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. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj: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 25				1000 ppm 26				2000 ppm 25				4000 ppm 37			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}																					
liver		<25>				<26>				<25>				<37>							
	angiectasis	2 ( 8)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	1 ( 4)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	4 ( 11)	1 ( 3)	0 ( 0)	0 ( 0)				
	necrosis:central	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)				
	necrosis:focal	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	2 ( 8)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)				
	granulation	0 ( 0)	1 ( 4)	0 ( 0)	0 ( 0)	1 ( 4)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	1 ( 3)	0 ( 0)	0 ( 0)				
	inflammatory cell nest	17 ( 68)	0 ( 0)	0 ( 0)	0 ( 0)	12 ( 46)	0 ( 0)	0 ( 0)	0 ( 0)	17 ( 68)	2 ( 8)	0 ( 0)	0 ( 0)	23 ( 62)	2 ( 5)	0 ( 0)	0 ( 0)				
	extramedullary hematopoiesis	4 ( 16)	0 ( 0)	0 ( 0)	0 ( 0)	2 ( 8)	0 ( 0)	0 ( 0)	0 ( 0)	2 ( 8)	0 ( 0)	0 ( 0)	0 ( 0)	3 ( 8)	0 ( 0)	0 ( 0)	0 ( 0)				
	clear cell focus	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	0 ( 0)	1 ( 4)	0 ( 0)	0 ( 0)	1 ( 3)	1 ( 3)	1 ( 3)	0 ( 0)				
	acidophilic cell focus	0 ( 0)	0 ( 0)	2 ( 8)	0 ( 0)	0 ( 0)	1 ( 4)	0 ( 0)	0 ( 0)	0 ( 0)	1 ( 4)	0 ( 0)	0 ( 0)	0 ( 0)	2 ( 5)	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. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 18

Organ	Findings	Control 25				1000 ppm 26				2000 ppm 25				4000 ppm 37			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}																	
liver		<25>				<26>				<25>				<37>			
	basophilic cell focus	0	0	0	0	0	0	0	0	1	0	0	0	0	1	2	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 3 )	( 5 )	( 0 )
		<25>				<26>				<25>				<37>			
	biliary cyst	0	0	0	0	1	0	0	0	2	0	0	0	1	0	0	0
		( 0 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )
gall bladd		<25>				<26>				<25>				<37>			
	inflammation	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 )
		<25>				<26>				<25>				<37>			
	hyperplasia	3	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0
		( 12 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
pancreas		<25>				<26>				<25>				<37>			
	inflammatory infiltration	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 )	( 0 )	( 0 )	( 0 )	( 0 )
		<25>				<26>				<25>				<37>			
	lymphocytic infiltration	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 )	( 0 )	( 0 )	( 0 )	( 0 )
		<25>				<26>				<25>				<37>			
	islet cell hyperplasia	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )

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. : 0611  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : FEMALE

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

PAGE : 19

		Group Name	Control				1000 ppm				2000 ppm				4000 ppm			
		No. of Animals on Study	25				26				25				37			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Urinary system}																		
kidney			<25>				<26>				<25>				<37>			
	hyaline droplet		2	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0
			( 8 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )
	deposit of hemosiderin		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 )	( 0 )	( 0 )	( 0 )	( 0 )
	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 )
	lymphocytic infiltration		3	0	0	0	3	0	0	0	1	0	0	0	6	0	0	0
			( 12 )	( 0 )	( 0 )	( 0 )	( 12 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 16 )	( 0 )	( 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 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	
ossification		1	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	
		( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )	
hydronephrosis		0	0	0	0	0	0	0	0	2	0	0	0	0	1	0	0	
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 8 )	( 0 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	
mineralization:cortex		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )	

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

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 20

		Group Name	Control				1000 ppm				2000 ppm				4000 ppm			
		No. of Animals on Study	25				26				25				37			
Organ	Findings	Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Urinary system)																		
kidney			<25>				<26>				<25>				<37>			
	glomerulosclerosis		0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
			( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 3)	( 0)	( 0)
	regeneration:proximal tubule		1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
			( 4)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 12)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
urin bladd			<25>				<26>				<25>				<37>			
	inflammation		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)	( 0)	( 0)	( 0)	( 0)
	lymphocytic infiltration		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			( 4)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
(Endocrine system)																		
pituitary			<25>				<26>				<25>				<37>			
	cyst		1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			( 4)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 4)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)
	hyperplasia		6	5	2	0	4	2	6	0	5	3	0	0	10	3	1	0
			( 24)	( 20)	( 8)	( 0)	( 15)	( 8)	( 23)	( 0)	( 20)	( 12)	( 0)	( 0)	( 27)	( 8)	( 3)	( 0)

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

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

b : Number of animals with lesion

( c ) c : b / a \* 100

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

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 21

		Group Name	Control				1000 ppm				2000 ppm				4000 ppm				
		No. of Animals on Study	25				26				25				37				
Organ_____	Findings_____	Grade	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
<hr/>																			
{Endocrine system}																			
thyroid	cyst		<25>				<26>				<25>				<37>				
		0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0		
		( 0 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	
parathyroid	cyst		<25>				<26>				<25>				<37>				
		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0		
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )	( 0 )	( 0 )	
adrenal	vacuolic change		<25>				<26>				<25>				<37>				
		0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	
			( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )
	spindle-cell hyperplasia		17	0	0	0	10	1	0	0	8	0	0	0 *	22	0	0	0	
( 68 )		( 0 )	( 0 )	( 0 )	( 38 )	( 4 )	( 0 )	( 0 )	( 32 )	( 0 )	( 0 )	( 0 )	( 59 )	( 0 )	( 0 )	( 0 )	( 0 )		
		hyperplasia:cortical cell	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0		
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )		
<hr/>																			
{Reproductive system}																			
ovary	thrombus		<25>				<26>				<25>				<37>				
		0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0		
		( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 3 )	( 0 )	( 0 )		

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

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 22

Organ	Findings	Group Name No. of Animals on Study Grade	Control 25				1000 ppm 26				2000 ppm 25				4000 ppm 37			
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Reproductive system}																		
ovary	cyst		<25>				<26>				<25>				<37>			
			10	0	0	0	8	0	0	0	12	0	0	0	16	0	0	0
			( 40)	( 0)	( 0)	( 0)	( 31)	( 0)	( 0)	( 0)	( 48)	( 0)	( 0)	( 0)	( 43)	( 0)	( 0)	( 0)
uterus	cystic endometrial hyperplasia		<25>				<26>				<25>				<37>			
			19	1	0	0	21	1	0	0	18	1	0	0	24	2	2	0
			( 76)	( 4)	( 0)	( 0)	( 81)	( 4)	( 0)	( 0)	( 72)	( 4)	( 0)	( 0)	( 65)	( 5)	( 5)	( 0)
vagina	hyperplasia		<25>				<26>				<25>				<37>			
			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)	( 0)	( 0)	( 0)	( 0)
{Nervous system}																		
brain	mineralization		<25>				<26>				<25>				<37>			
			2	0	0	0	1	0	0	0	2	0	0	0	3	0	0	0
			( 8)	( 0)	( 0)	( 0)	( 4)	( 0)	( 0)	( 0)	( 8)	( 0)	( 0)	( 0)	( 8)	( 0)	( 0)	( 0)
{Special sense organs/appendage}																		
eye	keratitis		<25>				<26>				<25>				<37>			
			0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
			( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 0)	( 4)	( 0)	( 0)	( 0)	( 3)	( 0)	( 0)	( 0)

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

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

b : Number of animals with lesion

( c ) c : b / a \* 100

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

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 23

Organ_____	Findings_____	Group Name	Control				1000 ppm				2000 ppm				4000 ppm			
		No. of Animals on Study	25				26				25				37			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)

{Musculoskeletal system}

bone	osteosclerosis	<25>				<26>				<25>				<37>			
		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		( 4 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )	( 0 )

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

TABLE M1

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

STUDY NO. : 0611  
ANIMAL : MOUSE B6D2F1/Crlj[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	1000 ppm	2000 ppm	4000 ppm
0 - 52	NO. OF EXAMINED ANIMALS		0	0	4	3
	NO. OF ANIMALS WITH TUMORS		0	0	0	0
	NO. OF ANIMALS WITH SINGLE TUMORS		0	0	0	0
	NO. OF ANIMALS WITH MULTIPLE TUMORS		0	0	0	0
	NO. OF BENIGN TUMORS		0	0	0	0
	NO. OF MALIGNANT TUMORS		0	0	0	0
	NO. OF TOTAL TUMORS		0	0	0	0
53 - 78	NO. OF EXAMINED ANIMALS		4	3	3	3
	NO. OF ANIMALS WITH TUMORS		2	2	1	1
	NO. OF ANIMALS WITH SINGLE TUMORS		2	2	1	1
	NO. OF ANIMALS WITH MULTIPLE TUMORS		0	0	0	0
	NO. OF BENIGN TUMORS		1	1	0	1
	NO. OF MALIGNANT TUMORS		1	1	1	0
	NO. OF TOTAL TUMORS		2	2	1	1
79 - 104	NO. OF EXAMINED ANIMALS		13	11	6	9
	NO. OF ANIMALS WITH TUMORS		10	8	6	8
	NO. OF ANIMALS WITH SINGLE TUMORS		6	8	4	8
	NO. OF ANIMALS WITH MULTIPLE TUMORS		4	0	2	0
	NO. OF BENIGN TUMORS		3	4	2	1
	NO. OF MALIGNANT TUMORS		11	4	7	7
	NO. OF TOTAL TUMORS		14	8	9	8
105 - 105	NO. OF EXAMINED ANIMALS		32	36	37	35
	NO. OF ANIMALS WITH TUMORS		24	22	12	17
	NO. OF ANIMALS WITH SINGLE TUMORS		15	12	7	10
	NO. OF ANIMALS WITH MULTIPLE TUMORS		9	10	5	7
	NO. OF BENIGN TUMORS		19	16	9	12
	NO. OF MALIGNANT TUMORS		15	18	9	12
	NO. OF TOTAL TUMORS		34	34	18	24



STUDY NO. : 0611  
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	1000 ppm	2000 ppm	4000 ppm
0 - 105	NO. OF EXAMINED ANIMALS		49	50	50	50
	NO. OF ANIMALS WITH TUMORS		36	32	19	26
	NO. OF ANIMALS WITH SINGLE TUMORS		23	22	12	19
	NO. OF ANIMALS WITH MULTIPLE TUMORS		13	10	7	7
	NO. OF BENIGN TUMORS		23	21	11	14
	NO. OF MALIGNANT TUMORS		27	23	17	19
	NO. OF TOTAL TUMORS		50	44	28	33

(HPT070)

BAIS4

**TABLE M2**

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

STUDY NO. : 0611  
 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	1000 ppm	2000 ppm	4000 ppm
0 - 52	NO. OF EXAMINED ANIMALS		1	1	1	0
	NO. OF ANIMALS WITH TUMORS		0	1	0	0
	NO. OF ANIMALS WITH SINGLE TUMORS		0	1	0	0
	NO. OF ANIMALS WITH MULTIPLE TUMORS		0	0	0	0
	NO. OF BENIGN TUMORS		0	0	0	0
	NO. OF MALIGNANT TUMORS		0	1	0	0
	NO. OF TOTAL TUMORS		0	1	0	0
53 - 78	NO. OF EXAMINED ANIMALS		5	8	6	3
	NO. OF ANIMALS WITH TUMORS		5	7	6	2
	NO. OF ANIMALS WITH SINGLE TUMORS		5	7	5	2
	NO. OF ANIMALS WITH MULTIPLE TUMORS		0	0	1	0
	NO. OF BENIGN TUMORS		0	0	1	0
	NO. OF MALIGNANT TUMORS		5	7	6	2
	NO. OF TOTAL TUMORS		5	7	7	2
79 - 104	NO. OF EXAMINED ANIMALS		19	15	18	10
	NO. OF ANIMALS WITH TUMORS		19	15	17	10
	NO. OF ANIMALS WITH SINGLE TUMORS		12	11	10	6
	NO. OF ANIMALS WITH MULTIPLE TUMORS		7	4	7	4
	NO. OF BENIGN TUMORS		7	4	11	4
	NO. OF MALIGNANT TUMORS		22	15	15	11
	NO. OF TOTAL TUMORS		29	19	26	15
105 - 105	NO. OF EXAMINED ANIMALS		25	26	25	37
	NO. OF ANIMALS WITH TUMORS		21	20	14	20
	NO. OF ANIMALS WITH SINGLE TUMORS		9	9	7	15
	NO. OF ANIMALS WITH MULTIPLE TUMORS		12	11	7	5
	NO. OF BENIGN TUMORS		23	21	10	17
	NO. OF MALIGNANT TUMORS		14	17	13	11
	NO. OF TOTAL TUMORS		37	38	23	28

STUDY NO. : 0611  
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	1000 ppm	2000 ppm	4000 ppm
0 - 105	NO. OF EXAMINED ANIMALS		50	50	50	50
	NO. OF ANIMALS WITH TUMORS		45	43	37	32
	NO. OF ANIMALS WITH SINGLE TUMORS		26	28	22	23
	NO. OF ANIMALS WITH MULTIPLE TUMORS		19	15	15	9
	NO. OF BENIGN TUMORS		30	25	22	21
	NO. OF MALIGNANT TUMORS		41	40	34	24
	NO. OF TOTAL TUMORS		71	65	56	45

(HPT070)

BAIS4

TABLE N1

HISTOPATHOLOGICAL FINDINGS :  
NEOPLASTIC LESIONS : MALE

STUDY NO. : 0611  
 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 49	1000 ppm 50	2000 ppm 50	4000 ppm 50
{Integumentary system/appandage}						
skin/app			<49>	<50>	<50>	<50>
	keratoacanthoma		0 ( 0%)	0 ( 0%)	0 ( 0%)	1 ( 2%)
subcutis			<49>	<50>	<50>	<50>
	schwannoma		0 ( 0%)	0 ( 0%)	0 ( 0%)	1 ( 2%)
	hemangioma		0 ( 0%)	1 ( 2%)	0 ( 0%)	0 ( 0%)
{Respiratory system}						
lung			<49>	<50>	<50>	<50>
	bronchiolar-alveolar adenoma		2 ( 4%)	3 ( 6%)	2 ( 4%)	1 ( 2%)
	bronchiolar-alveolar carcinoma		5 ( 10%)	3 ( 6%)	1 ( 2%)	1 ( 2%)
{Hematopoietic system}						
bone marrow			<49>	<50>	<50>	<50>
	histiocytic sarcoma		1 ( 2%)	0 ( 0%)	0 ( 0%)	0 ( 0%)
lymph node			<49>	<50>	<50>	<50>
	malignant lymphoma		7 ( 14%)	9 ( 18%)	4 ( 8%)	5 ( 10%)
spleen			<49>	<50>	<50>	<50>
	histiocytic sarcoma		0 ( 0%)	0 ( 0%)	0 ( 0%)	2 ( 4%)
	mastcytoma:malignant		1 ( 2%)	0 ( 0%)	0 ( 0%)	0 ( 0%)
	hemangiosarcoma		1 ( 2%)	0 ( 0%)	1 ( 2%)	0 ( 0%)
{Digestive system}						
stomach			<49>	<50>	<50>	<50>
	carcinoid tumor		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. : 0611  
 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 49	1000 ppm 50	2000 ppm 50	4000 ppm 50
(Digestive system)						
liver			<49>	<50>	<50>	<50>
	hemangioma		0 ( 0%)	0 ( 0%)	1 ( 2%)	0 ( 0%)
	hepatocellular adenoma		15 ( 31%)	15 ( 30%)	6 ( 12%)	9 ( 18%)
	histiocytic sarcoma		0 ( 0%)	1 ( 2%)	3 ( 6%)	2 ( 4%)
	hemangiosarcoma		1 ( 2%)	2 ( 4%)	2 ( 4%)	1 ( 2%)
	hepatocellular carcinoma		6 ( 12%)	4 ( 8%)	3 ( 6%)	4 ( 8%)
	hepatoblastoma		0 ( 0%)	0 ( 0%)	0 ( 0%)	1 ( 2%)
gall bladd			<49>	<50>	<50>	<50>
	papillary adenoma		2 ( 4%)	1 ( 2%)	0 ( 0%)	1 ( 2%)
(Urinary system)						
kidney			<49>	<50>	<50>	<50>
	transitional cell carcinoma		0 ( 0%)	0 ( 0%)	0 ( 0%)	1 ( 2%)
	renal cell carcinoma		0 ( 0%)	1 ( 2%)	0 ( 0%)	0 ( 0%)
(Endocrine system)						
thyroid			<49>	<50>	<50>	<50>
	follicular adenoma		1 ( 2%)	0 ( 0%)	0 ( 0%)	0 ( 0%)
(Reproductive system)						
epididymis			<49>	<50>	<50>	<50>
	histiocytic sarcoma		2 ( 4%)	1 ( 2%)	1 ( 2%)	1 ( 2%)

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

STUDY NO. : 0611  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : MALE

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

PAGE : 3

Organ	Findings	Group Name No. of animals on Study	Control 49	1000 ppm 50	2000 ppm 50	4000 ppm 50
(Nervous system)						
periph nerv	histiocytic sarcoma		<49> 1 ( 2%)	<50> 0 ( 0%)	<50> 0 ( 0%)	<50> 0 ( 0%)
(Special sense organs/appendage)						
Harder gl	adenoma		<49> 2 ( 4%)	<50> 1 ( 2%)	<50> 2 ( 4%)	<50> 1 ( 2%)
(Musculoskeletal system)						
muscle	rhabdomyosarcoma		<49> 0 ( 0%)	<50> 1 ( 2%)	<50> 0 ( 0%)	<50> 0 ( 0%)
(Body cavities)						
peritoneum	histiocytic sarcoma		<49> 2 ( 4%)	<50> 1 ( 2%)	<50> 2 ( 4%)	<50> 0 ( 0%)
retroperit	leiomyosarcoma		<49> 0 ( 0%)	<50> 0 ( 0%)	<50> 0 ( 0%)	<50> 1 ( 2%)

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

(HPT085)

BAIS4



**TABLE N2**

**HISTOPATHOLOGICAL FINDINGS :  
NEOPLASTIC LESIONS : FEMALE**

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 4

Organ	Findings	Group Name No. of animals on Study	Control 50	1000 ppm 50	2000 ppm 50	4000 ppm 50
{Integumentary system/appandage}						
skin/app			<50>	<49>	<50>	<50>
	squamous cell papilloma		1 ( 2%)	1 ( 2%)	0 ( 0%)	0 ( 0%)
subcutis			<50>	<50>	<50>	<50>
	fibrosarcoma		2 ( 4%)	1 ( 2%)	0 ( 0%)	0 ( 0%)
	histiocytic sarcoma		1 ( 2%)	0 ( 0%)	0 ( 0%)	1 ( 2%)
	mastcytoma:malignant		0 ( 0%)	0 ( 0%)	0 ( 0%)	1 ( 2%)
{Respiratory system}						
lung			<50>	<50>	<50>	<50>
	bronchiolar-alveolar adenoma		2 ( 4%)	1 ( 2%)	2 ( 4%)	2 ( 4%)
	bronchiolar-alveolar carcinoma		2 ( 4%)	3 ( 6%)	2 ( 4%)	0 ( 0%)
{Hematopoietic system}						
bone marrow			<50>	<50>	<50>	<50>
	hemangioma		1 ( 2%)	1 ( 2%)	1 ( 2%)	0 ( 0%)
lymph node			<50>	<50>	<50>	<50>
	malignant lymphoma		16 ( 32%)	16 ( 32%)	9 ( 18%)	9 ( 18%)
spleen			<50>	<50>	<50>	<50>
	histiocytic sarcoma		2 ( 4%)	0 ( 0%)	1 ( 2%)	0 ( 0%)
	hemangiosarcoma		1 ( 2%)	0 ( 0%)	0 ( 0%)	0 ( 0%)
{Digestive system}						
salivary gl			<50>	<50>	<50>	<50>
	xanthoma		0 ( 0%)	0 ( 0%)	0 ( 0%)	1 ( 2%)

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

STUDY NO. : 0611  
 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	1000 ppm 50	2000 ppm 50	4000 ppm 50
{Digestive system}						
stomach			<50>	<50>	<50>	<50>
	squamous cell papilloma		0 ( 0%)	1 ( 2%)	1 ( 2%)	0 ( 0%)
liver			<50>	<50>	<50>	<50>
	hemangioma		0 ( 0%)	1 ( 2%)	0 ( 0%)	0 ( 0%)
	hepatocellular adenoma		8 ( 16%)	4 ( 8%)	4 ( 8%)	7 ( 14%)
	cholangiocellular adenoma		1 ( 2%)	0 ( 0%)	0 ( 0%)	0 ( 0%)
	histiocytic sarcoma		3 ( 6%)	2 ( 4%)	2 ( 4%)	1 ( 2%)
	hemangiosarcoma		1 ( 2%)	5 ( 10%)	1 ( 2%)	0 ( 0%)
	hepatocellular carcinoma		1 ( 2%)	1 ( 2%)	0 ( 0%)	0 ( 0%)
{Urinary system}						
urin bladd			<50>	<50>	<50>	<50>
	leiomyoma		0 ( 0%)	0 ( 0%)	0 ( 0%)	1 ( 2%)
{Endocrine system}						
pituitary			<50>	<50>	<50>	<50>
	adenoma		9 ( 18%)	10 ( 20%)	6 ( 12%)	4 ( 8%)
{Reproductive system}						
ovary			<50>	<50>	<50>	<50>
	cystadenoma		0 ( 0%)	1 ( 2%)	0 ( 0%)	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. : 0611  
 ANIMAL : MOUSE B6D2F1/Crlj[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	1000 ppm 50	2000 ppm 50	4000 ppm 50
{Reproductive system}						
ovary			<50>	<50>	<50>	<50>
	hemangioma		3 ( 6%)	1 ( 2%)	1 ( 2%)	1 ( 2%)
uterus			<50>	<50>	<50>	<50>
	hemangioma		0 ( 0%)	0 ( 0%)	1 ( 2%)	0 ( 0%)
	endometrial stromal polyp		1 ( 2%)	3 ( 6%)	2 ( 4%)	1 ( 2%)
	leiomyosarcoma		0 ( 0%)	0 ( 0%)	1 ( 2%)	0 ( 0%)
	histiocytic sarcoma		10 ( 20%)	9 ( 18%)	11 ( 22%)	9 ( 18%)
	hemangiosarcoma		0 ( 0%)	1 ( 2%)	0 ( 0%)	1 ( 2%)
mammary gl			<50>	<50>	<50>	<50>
	adenocarcinoma		1 ( 2%)	0 ( 0%)	3 ( 6%)	0 ( 0%)
prep/cli gl			<50>	<50>	<50>	<50>
	adenoma		0 ( 0%)	0 ( 0%)	0 ( 0%)	1 ( 2%)
{Special sense organs/appendage}						
Harder gl			<50>	<50>	<50>	<50>
	adenoma		4 ( 8%)	1 ( 2%)	4 ( 8%)	1 ( 2%)
{Musculoskeletal system}						
muscle			<50>	<50>	<50>	<50>
	hemangiosarcoma		0 ( 0%)	1 ( 2%)	0 ( 0%)	0 ( 0%)
bone			<50>	<50>	<50>	<50>
	osteosarcoma		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. : 0611  
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	1000 ppm 50	2000 ppm 50	4000 ppm 50
(Body cavities)						
peritoneum	histiocytic sarcoma		<50> 0 ( 0%)	<50> 1 ( 2%)	<50> 2 ( 4%)	<50> 2 ( 4%)
retroperit	hemangiosarcoma		<50> 0 ( 0%)	<50> 0 ( 0%)	<50> 2 ( 4%)	<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

TABLE O1

NEOPLASTIC LESIONS-INCIDENCE  
AND STATISTICAL ANALYSIS : MALE

STUDY No. : 0611  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 1

Group Name	Control	1000 ppm	2000 ppm	4000 ppm
SITE : lung TUMOR : bronchiolar-alveolar adenoma				
Tumor rate				
Overall rates(a)	2/49( 4.1)	3/50( 6.0)	2/50( 4.0)	1/50( 2.0)
Adjusted rates(b)	6.25	8.33	5.41	2.86
Terminal rates(c)	2/32( 6.3)	3/36( 8.3)	2/37( 5.4)	1/35( 2.9)
Statistical analysis				
Peto test				
Standard method(d)	P = ———			
Prevalence method(d)	P = 0.7868			
Combined analysis(d)	P = ———			
Cochran-Armitage test(e)	P = 0.4533			
Fisher Exact test(e)		P = 0.5097	P = 0.6990	P = 0.4923
SITE : lung TUMOR : bronchiolar-alveolar carcinoma				
Tumor rate				
Overall rates(a)	5/49( 10.2)	3/50( 6.0)	1/50( 2.0)	1/50( 2.0)
Adjusted rates(b)	12.50	8.33	0.0	0.0
Terminal rates(c)	4/32( 12.5)	3/36( 8.3)	0/37( 0.0)	0/35( 0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.3749			
Prevalence method(d)	P = 0.9975			
Combined analysis(d)	P = 0.9775			
Cochran-Armitage test(e)	P = 0.0593			
Fisher Exact test(e)		P = 0.3461	P = 0.0976	P = 0.0976
SITE : lung TUMOR : bronchiolar-alveolar adenoma, bronchiolar-alveolar carcinoma				
Tumor rate				
Overall rates(a)	7/49( 14.3)	6/50( 12.0)	3/50( 6.0)	2/50( 4.0)
Adjusted rates(b)	18.75	16.67	5.41	2.86
Terminal rates(c)	6/32( 18.8)	6/36( 16.7)	2/37( 5.4)	1/35( 2.9)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.3749			
Prevalence method(d)	P = 0.9938			
Combined analysis(d)	P = 0.9817			
Cochran-Armitage test(e)	P = 0.0512			
Fisher Exact test(e)		P = 0.4842	P = 0.1507	P = 0.0750

STUDY No. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 SEX : MALE

NEOPLASTIC LESIONS—INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 2

Group Name	Control	1000 ppm	2000 ppm	4000 ppm
SITE : lymph node TUMOR : malignant lymphoma				
Tumor rate				
Overall rates(a)	7/49( 14.3)	9/50( 18.0)	4/50( 8.0)	5/50( 10.0)
Adjusted rates(b)	12.50	25.00	5.41	11.43
Terminal rates(c)	4/32( 12.5)	9/36( 25.0)	2/37( 5.4)	4/35( 11.4)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.7476			
Prevalence method(d)	P = 0.7943			
Combined analysis(d)	P = 0.8583			
Cochran-Armitage test(e)	P = 0.3130			
Fisher Exact test(e)		P = 0.4101	P = 0.2505	P = 0.3654
SITE : liver TUMOR : hepatocellular adenoma				
Tumor rate				
Overall rates(a)	15/49( 30.6)	15/50( 30.0)	6/50( 12.0)	9/50( 18.0)
Adjusted rates(b)	35.29	27.78	14.63	20.00
Terminal rates(c)	11/32( 34.4)	10/36( 27.8)	5/37( 13.5)	7/35( 20.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.3322			
Prevalence method(d)	P = 0.9811			
Combined analysis(d)	P = 0.9569			
Cochran-Armitage test(e)	P = 0.0641			
Fisher Exact test(e)		P = 0.6121	P = 0.0210*	P = 0.1093
SITE : liver TUMOR : histiocytic sarcoma				
Tumor rate				
Overall rates(a)	0/49( 0.0)	1/50( 2.0)	3/50( 6.0)	2/50( 4.0)
Adjusted rates(b)	0.0	0.0	0.0	0.0
Terminal rates(c)	0/32( 0.0)	0/36( 0.0)	0/37( 0.0)	0/35( 0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.1144			
Prevalence method(d)	P = ———			
Combined analysis(d)	P = 0.1144			
Cochran-Armitage test(e)	P = 0.2121			
Fisher Exact test(e)		P = 0.5051	P = 0.1250	P = 0.2525



STUDY No. : 0611  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 3

Group Name	Control	1000 ppm	2000 ppm	4000 ppm
SITE : liver TUMOR : hepatocellular carcinoma				
Tumor rate				
Overall rates(a)	6/49( 12.2)	4/50( 8.0)	3/50( 6.0)	4/50( 8.0)
Adjusted rates(b)	12.50	10.00	8.11	8.57
Terminal rates(c)	4/32( 12.5)	3/36( 8.3)	3/37( 8.1)	3/35( 8.6)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.3907			
Prevalence method(d)	P = 0.7792			
Combined analysis(d)	P = 0.7356			
Cochran-Armitage test(e)	P = 0.5033			
Fisher Exact test(e)		P = 0.3574	P = 0.2333	P = 0.3574
SITE : liver TUMOR : hemangioma, hemangiosarcoma				
Tumor rate				
Overall rates(a)	1/49( 2.0)	2/50( 4.0)	3/50( 6.0)	1/50( 2.0)
Adjusted rates(b)	2.78	2.78	7.32	2.86
Terminal rates(c)	0/32( 0.0)	1/36( 2.8)	2/37( 5.4)	1/35( 2.9)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.5888			
Prevalence method(d)	P = 0.4516			
Combined analysis(d)	P = 0.5297			
Cochran-Armitage test(e)	P = 0.9353			
Fisher Exact test(e)		P = 0.5077	P = 0.3163	P = 0.7576
SITE : liver TUMOR : hepatocellular adenoma, hepatocellular carcinoma				
Tumor rate				
Overall rates(a)	20/49( 40.8)	17/50( 34.0)	8/50( 16.0)	13/50( 26.0)
Adjusted rates(b)	44.12	32.50	19.51	28.57
Terminal rates(c)	14/32( 43.8)	11/36( 30.6)	7/37( 18.9)	10/35( 28.6)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.3106			
Prevalence method(d)	P = 0.9781			
Combined analysis(d)	P = 0.9460			
Cochran-Armitage test(e)	P = 0.0725			
Fisher Exact test(e)		P = 0.3111	P = 0.0056**	P = 0.0883

STUDY No. : 0611  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
SEX : MALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 4

Group Name	Control	1000 ppm	2000 ppm	4000 ppm
SITE : liver				
TUMOR : hepatocellular adenoma, hepatocellular carcinoma, hepatoblastoma				
Tumor rate				
Overall rates(a)	20/49( 40.8)	17/50( 34.0)	8/50( 16.0)	13/50( 26.0)
Adjusted rates(b)	44.12	32.50	19.51	28.57
Terminal rates(c)	14/32( 43.8)	11/36( 30.6)	7/37( 18.9)	10/35( 28.6)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.3106			
Prevalence method(d)	P = 0.9781			
Combined analysis(d)	P = 0.9460			
Cochran-Armitage test(e)	P = 0.0725			
Fisher Exact test(e)		P = 0.3111	P = 0.0056**	P = 0.0883

(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. : 0611  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
SEX : MALE

NEOPLASTIC LESIONS—INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 1

Group Name	Control	1000 ppm	2000 ppm	4000 ppm
SITE : ALL SITE				
TUMOR : histiocytic sarcoma				
Tumor rate				
Overall rates(a)	6/49( 12.2)	3/50( 6.0)	6/50( 12.0)	5/50( 10.0)
Adjusted rates(b)	6.25	0.0	8.11	5.71
Terminal rates(c)	2/32( 6.3)	0/36( 0.0)	3/37( 8.1)	2/35( 5.7)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.6172			
Prevalence method(d)	P = 0.3410			
Combined analysis(d)	P = 0.5061			
Cochran-Armitage test(e)	P = 0.9776			
Fisher Exact test(e)		P = 0.2333	P = 0.6346	P = 0.4856

(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.

**TABLE O2**

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

STUDY No. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 SEX : FEMALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 5

Group Name	Control	1000 ppm	2000 ppm	4000 ppm
SITE : lung TUMOR : bronchiolar-alveolar carcinoma				
Tumor rate				
Overall rates(a)	2/50( 4.0)	3/50( 6.0)	2/50( 4.0)	0/50( 0.0)
Adjusted rates(b)	6.90	11.54	4.44	0.0
Terminal rates(c)	1/25( 4.0)	3/26( 11.5)	1/25( 4.0)	0/37( 0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.9350			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.1720			
Fisher Exact test(e)		P = 0.5000	P = 0.6913	P = 0.2475
SITE : lung TUMOR : bronchiolar-alveolar adenoma, bronchiolar-alveolar carcinoma				
Tumor rate				
Overall rates(a)	4/50( 8.0)	4/50( 8.0)	4/50( 8.0)	2/50( 4.0)
Adjusted rates(b)	11.11	15.38	8.89	4.76
Terminal rates(c)	2/25( 8.0)	4/26( 15.4)	1/25( 4.0)	1/37( 2.7)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.8054			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.3991			
Fisher Exact test(e)		P = 0.6425	P = 0.6425	P = 0.3389
SITE : lymph node TUMOR : malignant lymphoma				
Tumor rate				
Overall rates(a)	16/50( 32.0)	16/50( 32.0)	9/50( 18.0)	9/50( 18.0)
Adjusted rates(b)	25.93	34.62	16.00	8.11
Terminal rates(c)	6/25( 24.0)	9/26( 34.6)	4/25( 16.0)	3/37( 8.1)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.8188			
Prevalence method(d)	P = 0.9945			
Combined analysis(d)	P = 0.9910			
Cochran-Armitage test(e)	P = 0.0533			
Fisher Exact test(e)		P = 0.5848	P = 0.0826	P = 0.0826

STUDY No. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 SEX : FEMALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 6

Group Name	Control	1000 ppm	2000 ppm	4000 ppm
SITE : liver TUMOR : hepatocellular adenoma				
Tumor rate				
Overall rates(a)	8/50( 16.0)	4/50( 8.0)	4/50( 8.0)	7/50( 14.0)
Adjusted rates(b)	32.00	15.38	11.11	17.50
Terminal rates(c)	8/25( 32.0)	4/26( 15.4)	1/25( 4.0)	6/37( 16.2)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.7033			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.9701			
Fisher Exact test(e)		P = 0.1783	P = 0.1783	P = 0.5000
SITE : liver TUMOR : histiocytic sarcoma				
Tumor rate				
Overall rates(a)	3/50( 6.0)	2/50( 4.0)	2/50( 4.0)	1/50( 2.0)
Adjusted rates(b)	0.0	3.85	0.0	2.70
Terminal rates(c)	0/25( 0.0)	1/26( 3.8)	0/25( 0.0)	1/37( 2.7)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.9555			
Prevalence method(d)	P = 0.3307			
Combined analysis(d)	P = 0.8822			
Cochran-Armitage test(e)	P = 0.3291			
Fisher Exact test(e)		P = 0.5000	P = 0.5000	P = 0.3087
SITE : liver TUMOR : hemangiosarcoma				
Tumor rate				
Overall rates(a)	1/50( 2.0)	5/50( 10.0)	1/50( 2.0)	0/50( 0.0)
Adjusted rates(b)	2.78	8.33	4.00	0.0
Terminal rates(c)	0/25( 0.0)	2/26( 7.7)	1/25( 4.0)	0/37( 0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.7563			
Prevalence method(d)	P = 0.8933			
Combined analysis(d)	P = 0.9335			
Cochran-Armitage test(e)	P = 0.1720			
Fisher Exact test(e)		P = 0.1022	P = 0.7525	P = 0.5000

STUDY No. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 SEX : FEMALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 7

Group Name	Control	1000 ppm	2000 ppm	4000 ppm
SITE : liver TUMOR : hemangioma, hemangiosarcoma				
Tumor rate				
Overall rates(a)	1/50( 2.0)	6/50( 12.0)	1/50( 2.0)	0/50( 0.0)
Adjusted rates(b)	2.78	11.54	4.00	0.0
Terminal rates(c)	0/25( 0.0)	3/26( 11.5)	1/25( 4.0)	0/37( 0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.7563			
Prevalence method(d)	P = 0.9166			
Combined analysis(d)	P = 0.9472			
Cochran-Armitage test(e)	P = 0.1432			
Fisher Exact test(e)		P = 0.0559	P = 0.7525	P = 0.5000
SITE : liver TUMOR : hepatocellular adenoma, hepatocellular carcinoma				
Tumor rate				
Overall rates(a)	9/50( 18.0)	5/50( 10.0)	4/50( 8.0)	7/50( 14.0)
Adjusted rates(b)	36.00	15.38	11.11	17.50
Terminal rates(c)	9/25( 36.0)	4/26( 15.4)	1/25( 4.0)	6/37( 16.2)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.5967			
Prevalence method(d)	P = 0.7924			
Combined analysis(d)	P = 0.8201			
Cochran-Armitage test(e)	P = 0.6910			
Fisher Exact test(e)		P = 0.1940	P = 0.1168	P = 0.3929
SITE : pituitary gland TUMOR : adenoma				
Tumor rate				
Overall rates(a)	9/50( 18.0)	10/50( 20.0)	6/50( 12.0)	4/50( 8.0)
Adjusted rates(b)	25.00	30.77	12.00	10.26
Terminal rates(c)	6/25( 24.0)	8/26( 30.8)	3/25( 12.0)	3/37( 8.1)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.7700			
Prevalence method(d)	P = 0.9798			
Combined analysis(d)	P = 0.9862			
Cochran-Armitage test(e)	P = 0.0834			
Fisher Exact test(e)		P = 0.5000	P = 0.2883	P = 0.1168

STUDY No. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 SEX : FEMALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 8

Group Name	Control	1000 ppm	2000 ppm	4000 ppm
SITE : ovary TUMOR : hemangioma				
Tumor rate				
Overall rates(a)	3/50( 6.0)	1/50( 2.0)	1/50( 2.0)	1/50( 2.0)
Adjusted rates(b)	7.89	2.56	4.00	2.70
Terminal rates(c)	0/25( 0.0)	0/26( 0.0)	1/25( 4.0)	1/37( 2.7)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.8591			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.3266			
Fisher Exact test(e)		P = 0.3087	P = 0.3087	P = 0.3087
SITE : uterus TUMOR : endometrial stromal polyp				
Tumor rate				
Overall rates(a)	1/50( 2.0)	3/50( 6.0)	2/50( 4.0)	1/50( 2.0)
Adjusted rates(b)	4.00	11.54	5.26	2.70
Terminal rates(c)	1/25( 4.0)	3/26( 11.5)	1/25( 4.0)	1/37( 2.7)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.7162			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.7450			
Fisher Exact test(e)		P = 0.3087	P = 0.5000	P = 0.7525
SITE : uterus TUMOR : histiocytic sarcoma				
Tumor rate				
Overall rates(a)	10/50( 20.0)	9/50( 18.0)	11/50( 22.0)	9/50( 18.0)
Adjusted rates(b)	16.00	3.85	8.00	12.82
Terminal rates(c)	4/25( 16.0)	1/26( 3.8)	2/25( 8.0)	4/37( 10.8)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.8107			
Prevalence method(d)	P = 0.3632			
Combined analysis(d)	P = 0.7090			
Cochran-Armitage test(e)	P = 0.8801			
Fisher Exact test(e)		P = 0.5000	P = 0.5000	P = 0.5000



STUDY No. : 0611  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
SEX : FEMALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 9

Group Name	Control	1000 ppm	2000 ppm	4000 ppm
SITE : mammary gland TUMOR : adenocarcinoma				
Tumor rate				
Overall rates(a)	1/50( 2.0)	0/50( 0.0)	3/50( 6.0)	0/50( 0.0)
Adjusted rates(b)	0.0	0.0	12.00	0.0
Terminal rates(c)	0/25( 0.0)	0/25( 0.0)	3/25( 12.0)	0/37( 0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.9119 ?			
Prevalence method(d)	P = 0.4836			
Combined analysis(d)	P = 0.7040			
Cochran-Armitage test(e)	P = 0.7327			
Fisher Exact test(e)		P = 0.5000	P = 0.3087	P = 0.5000
SITE : Harderian gland TUMOR : adenoma				
Tumor rate				
Overall rates(a)	4/50( 8.0)	1/50( 2.0)	4/50( 8.0)	1/50( 2.0)
Adjusted rates(b)	16.00	3.85	11.11	2.27
Terminal rates(c)	4/25( 16.0)	1/25( 3.8)	2/25( 8.0)	0/37( 0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = -----			
Prevalence method(d)	P = 0.8872			
Combined analysis(d)	P = -----			
Cochran-Armitage test(e)	P = 0.3236			
Fisher Exact test(e)		P = 0.1811	P = 0.6425	P = 0.1811

(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. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 SEX : FEMALE

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

PAGE : 2

Group Name	Control	1000 ppm	2000 ppm	4000 ppm
SITE : ALL SITE TUMOR : histiocytic sarcoma				
Tumor rate				
Overall rates(a)	16/50( 32.0)	12/50( 24.0)	16/50( 32.0)	13/50( 26.0)
Adjusted rates(b)	20.00	7.69	12.00	17.95
Terminal rates(c)	5/25( 20.0)	2/26( 7.7)	3/25( 12.0)	6/37( 16.2)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.9150			
Prevalence method(d)	P = 0.3214			
Combined analysis(d)	P = 0.8205			
Cochran-Armitage test(e)	P = 0.6912			
Fisher Exact test(e)		P = 0.2522	P = 0.5848	P = 0.3299
SITE : ALL SITE TUMOR : hemangiosarcoma				
Tumor rate				
Overall rates(a)	2/50( 4.0)	7/50( 14.0)	3/50( 6.0)	1/50( 2.0)
Adjusted rates(b)	5.56	11.54	4.00	2.70
Terminal rates(c)	1/25( 4.0)	3/26( 11.5)	1/25( 4.0)	1/37( 2.7)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.7398			
Prevalence method(d)	P = 0.8694			
Combined analysis(d)	P = 0.9053			
Cochran-Armitage test(e)	P = 0.2648			
Fisher Exact test(e)		P = 0.0798	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 cannot be estimated or this P-value is beyond the estimated P-value.  
 — : There is no data which should be statistical analysis.  
 Significant difference ; \* :  $P \leq 0.05$  \*\* :  $P \leq 0.01$   
 N.C. : Statistical value cannot be calculated and was not significant.

**TABLE P1**

**HISTOPATHOLOGICAL FINDINGS :**

**METASTASIS OF TUMOR :**

**MALE**

STUDY NO. : 0611  
 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 No. of Animals on Study		Control 49	1000 ppm 50	2000 ppm 50	4000 ppm 50
Organ	Findings				
(Integumentary system/appandage)					
subcutis	metastasis:liver tumor	<49> 0	<50> 0	<50> 0	<50> 1
	metastasis:epididymis tumor	0	1	0	0
(Respiratory system)					
nasal cavit	leukemic cell infiltration	<49> 1	<50> 0	<50> 1	<50> 0
	metastasis:liver tumor	0	0	1	0
	metastasis:epididymis tumor	1	0	0	0
lung	leukemic cell infiltration	<49> 4	<50> 1	<50> 3	<50> 1
	metastasis:liver tumor	1	2	1	4
	metastasis:peritoneum tumor	1	1	0	0
	metastasis:spleen tumor	1	0	0	1
	metastasis:kidney tumor	0	0	0	1
(Hematopoietic system)					
bone marrow	leukemic cell infiltration	<49> 4	<50> 2	<50> 2	<50> 1
	metastasis:liver tumor	0	0	2	2
	metastasis:peritoneum tumor	2	1	0	0

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

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 2

Organ	Findings	Group Name No. of Animals on Study	Control 49	1000 ppm 50	2000 ppm 50	4000 ppm 50
(Hematopoietic system)						
bone marrow			<49>	<50>	<50>	<50>
	metastasis:spleen tumor		0	0	1	1
lymph node			<49>	<50>	<50>	<50>
	metastasis:liver tumor		0	0	0	1
	metastasis:peritoneum tumor		0	0	1	0
	metastasis:retroperitoneum tumor		0	0	0	1
spleen			<49>	<50>	<50>	<50>
	leukemic cell infiltration		3	6	3	3
	metastasis:peritoneum tumor		1	1	0	0
(Circulatory system)						
heart			<49>	<50>	<50>	<50>
	leukemic cell infiltration		1	0	0	0
	metastasis:liver tumor		0	0	1	0
	metastasis:kidney tumor		0	0	0	1
(Digestive system)						
salivary gl			<49>	<50>	<50>	<50>
	leukemic cell infiltration		0	1	1	0
stomach			<49>	<50>	<50>	<50>
	leukemic cell infiltration		1	0	0	0
	metastasis:peritoneum tumor		1	0	0	0

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

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 3

		Group Name No. of Animals on Study	Control 49	1000 ppm 50	2000 ppm 50	4000 ppm 50
Organ	Findings					
(Digestive system)						
small intes	leukemic cell infiltration		<49> 0	<50> 1	<50> 0	<50> 0
	metastasis:peritoneum tumor		1	0	0	0
	metastasis:bone marrow tumor		1	0	0	0
large intes	leukemic cell infiltration		<49> 0	<50> 0	<50> 0	<50> 1
liver	leukemic cell infiltration		<49> 2	<50> 0	<50> 3	<50> 1
	metastasis:peritoneum tumor		1	1	0	0
	metastasis:spleen tumor		1	0	0	1
	metastasis:bone marrow tumor		1	0	0	0
	metastasis:epididymis tumor		1	1	0	0
gall bladd	leukemic cell infiltration		<49> 1	<50> 0	<50> 0	<50> 0
pancreas	leukemic cell infiltration		<49> 1	<50> 3	<50> 0	<50> 1
	metastasis:liver tumor		0	0	0	1
	metastasis:peritoneum tumor		2	1	0	0
(Urinary system)						
kidney	leukemic cell infiltration		<49> 3	<50> 1	<50> 2	<50> 0

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

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : MALE

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

PAGE : 4

Organ	Findings	Group Name No. of Animals on Study	Control 49	1000 ppm 50	2000 ppm 50	4000 ppm 50
{Urinary system}						
kidney	metastasis:liver tumor		<49> 0	<50> 0	<50> 1	<50> 0
	metastasis:peritoneum tumor		0	1	0	0
	metastasis:spleen tumor		1	0	0	1
urin bladd	leukemic cell infiltration		<49> 1	<50> 0	<50> 0	<50> 0
	metastasis:liver tumor		0	0	1	0
	metastasis:peritoneum tumor		0	0	1	0
{Endocrine system}						
pituitary	leukemic cell infiltration		<49> 1	<49> 0	<50> 0	<48> 0
adrenal	leukemic cell infiltration		<49> 1	<50> 0	<50> 0	<50> 0
{Reproductive system}						
testis	metastasis:liver tumor		<49> 0	<50> 1	<50> 0	<50> 0
epididymis	leukemic cell infiltration		<49> 1	<50> 0	<50> 0	<50> 0
	metastasis:peritoneum tumor		2	1	0	0
prostate	leukemic cell infiltration		<49> 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. : 0611  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
REPORT TYPE : A1  
SEX : MALE

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

PAGE : 5

		Group Name	Control	1000 ppm	2000 ppm	4000 ppm
		No. of Animals on Study	49	50	50	50
Organ	Findings					
{Reproductive system}						
prostate	metastasis:liver tumor		<49> 0	<50> 0	<50> 1	<50> 0
{Nervous system}						
brain	leukemic cell infiltration		<49> 1	<50> 0	<50> 0	<50> 0
{Special sense organs/appendage}						
Harder gl	leukemic cell infiltration		<49> 1	<50> 0	<50> 0	<50> 0
< a > a : Number of animals examined at the site						
b b : Number of animals with lesion						

(JPT150)

BAIS4



**TABLE P2**

**HISTOPATHOLOGICAL FINDINGS :**

**METASTASIS OF TUMOR :**

**FEMALE**

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 6

		Group Name	Control	1000 ppm	2000 ppm	4000 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> 2	<50> 3
{Respiratory system}						
nasal cavit	leukemic cell infiltration		<50> 1	<50> 2	<50> 1	<50> 0
	metastasis:uterus tumor		1	1	0	0
larynx	leukemic cell infiltration		<50> 0	<50> 0	<50> 0	<50> 2
lung	leukemic cell infiltration		<50> 11	<50> 14	<50> 5	<50> 7
	metastasis:liver tumor		3	2	2	0
	metastasis:uterus tumor		6	6	6	3
	metastasis:spleen tumor		1	0	1	0
{Hematopoietic system}						
bone marrow	leukemic cell infiltration		<50> 9	<50> 7	<50> 5	<50> 5
	metastasis:liver tumor		1	0	1	0
	metastasis:uterus tumor		6	7	8	3
	metastasis:peritoneum tumor		0	0	1	0
	metastasis:spleen tumor		3	0	0	0

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

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

Organ	Findings	Group Name No. of Animals on Study	Control 50	1000 ppm 50	2000 ppm 50	4000 ppm 50
{Hematopoietic system}						
bone marrow			<50>	<50>	<50>	<50>
	metastasis:retroperitoneum tumor		0	0	1	0
lymph node			<50>	<50>	<50>	<50>
	metastasis:liver tumor		1	0	0	0
	metastasis:uterus tumor		1	1	0	1
	metastasis:peritoneum tumor		0	0	1	1
	metastasis:spleen tumor		1	0	0	0
thymus			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	1	1	1
	metastasis:uterus tumor		1	0	0	1
spleen			<50>	<50>	<50>	<50>
	leukemic cell infiltration		10	7	6	7
	metastasis:liver tumor		2	1	0	0
	metastasis:uterus tumor		5	3	1	3
	metastasis:retroperitoneum tumor		0	0	1	0
{Circulatory system}						
heart			<50>	<50>	<50>	<50>
	leukemic cell infiltration		1	3	3	2
	metastasis:uterus tumor		0	1	0	1
{Digestive system}						
tongue			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	1	0	4

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

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Crlj[Crlj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 8

		Group Name	Control	1000 ppm	2000 ppm	4000 ppm
		No. of Animals on Study	50	50	50	50
Organ	Findings					
(Digestive system)						
salivary gl	leukemic cell infiltration		<50> 4	<50> 5	<50> 2	<50> 3
	metastasis:peritoneum tumor		0	0	0	1
stomach	leukemic cell infiltration		<50> 1	<50> 0	<50> 2	<50> 2
	metastasis:uterus tumor		1	0	0	0
small intes	leukemic cell infiltration		<50> 0	<50> 1	<50> 0	<50> 0
	metastasis:uterus tumor		1	0	0	0
large intes	leukemic cell infiltration		<50> 0	<50> 0	<50> 1	<50> 0
	metastasis:uterus tumor		0	0	0	1
liver	leukemic cell infiltration		<50> 11	<50> 8	<50> 4	<50> 4
	metastasis:uterus tumor		5	7	9	4
	metastasis:spleen tumor		2	0	0	1
pancreas	leukemic cell infiltration		<50> 1	<50> 2	<50> 5	<50> 4
	metastasis:liver tumor		1	0	0	0
	metastasis:uterus tumor		0	2	0	0
	metastasis:peritoneum tumor		0	0	1	1

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

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 9

		Group Name	Control	1000 ppm	2000 ppm	4000 ppm
		No. of Animals on Study	50	50	50	50
Organ	Findings					
{Digestive system}						
pancreas	metastasis:subcutis tumor		<50> 1	<50> 0	<50> 0	<50> 0
	metastasis:spleen tumor		1	0	0	0
{Urinary system}						
kidney	leukemic cell infiltration		<50> 5	<50> 6	<50> 5	<50> 2
	metastasis:liver tumor		0	0	1	0
	metastasis:uterus tumor		3	3	7	3
	metastasis:subcutis tumor		0	1	0	0
	metastasis:spleen tumor		1	0	0	1
urin bladd	leukemic cell infiltration		<50> 4	<50> 5	<50> 3	<50> 2
{Endocrine system}						
thyroid	leukemic cell infiltration		<50> 2	<50> 1	<50> 3	<50> 2
adrenal	leukemic cell infiltration		<50> 0	<50> 1	<50> 1	<50> 1
	metastasis:uterus tumor		0	1	0	0
{Reproductive system}						
ovary	leukemic cell infiltration		<50> 3	<50> 5	<50> 4	<50> 4

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

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 10

		Group Name	Control	1000 ppm	2000 ppm	4000 ppm
		No. of Animals on Study	50	50	50	50
Organ	Findings					
(Reproductive system)						
ovary	metastasis:uterus tumor		<50> 5	<50> 5	<50> 5	<50> 3
	metastasis:spleen tumor		1	0	0	0
uterus	leukemic cell infiltration		<50> 2	<50> 1	<50> 1	<50> 1
	metastasis:peritoneum tumor		0	0	1	0
	metastasis:spleen tumor		0	0	1	0
	metastasis:retroperitoneum tumor		0	0	1	0
vagina	leukemic cell infiltration		<50> 1	<50> 1	<50> 2	<50> 2
	metastasis:spleen tumor		<50> 1	<50> 0	<50> 0	<50> 0
(Nervous system)						
brain	leukemic cell infiltration		<50> 0	<50> 0	<50> 2	<50> 0
	metastasis:uterus tumor		0	0	1	0
spinal cord	leukemic cell infiltration		<50> 0	<50> 0	<50> 1	<50> 0
(Special sense organs/appendage)						
Harder gl	leukemic cell infiltration		<50> 0	<50> 1	<50> 2	<50> 3
< a >	a : Number of animals examined at the site					
b	b : Number of animals with lesion					

STUDY NO. : 0611  
 ANIMAL : MOUSE B6D2F1/Crj[Crl:BDF1]  
 REPORT TYPE : A1  
 SEX : FEMALE

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

PAGE : 11

Group Name No. of Animals on Study		Control 50	1000 ppm 50	2000 ppm 50	4000 ppm 50
Organ	Findings				
(Special sense organs/appendage)					
Harder gl	metastasis:uterus tumor	<50> 0	<50> 1	<50> 0	<50> 0
	metastasis:spleen tumor	1	0	0	0
(Musculoskeletal system)					
muscle	leukemic cell infiltration	<50> 0	<50> 0	<50> 0	<50> 2
	metastasis:peritoneum tumor	0	0	1	0
(Body cavities)					
mediastinum	metastasis:uterus tumor	<50> 0	<50> 0	<50> 0	<50> 1
	leukemic cell infiltration	<50> 0	<50> 0	<50> 0	<50> 1
< a > a : Number of animals examined at the site b b : Number of animals with lesion					

(JPT150)

BAIS4

TABLE Q

CAUSE OF DEATH OF MICE IN THE 2-YEAR  
INHALATION STUDY OF ISOPROPYL ACETATE



STUDY NO. : 0611  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
SEX : MALE

COUSE OF DEATH (SUMMARY)  
(0-105W)

PAGE : 1

Group Name	Control	1000 ppm	2000 ppm	4000 ppm
Number of Dead and Moribund Animal	17	14	13	15
no microscop confirm	0	0	2	1
cardiovascular les	2	0	0	0
renal lesion	0	1	0	0
central nervo lesion	1	0	0	0
urinary retention	2	4	2	0
hydronephrosis	2	1	2	5
tumor d:leukemia	3	0	2	1
tumor d:lung	1	0	1	1
tumor d:bone marrow	1	0	0	0
tumor d:spleen	1	0	1	1
tumor d:liver	1	6	3	5
tumor d:kidney	0	0	0	1
tumor d:epididymis	0	1	0	0
tumor d:periph nerv	1	0	0	0
tumor d:peritoneum	2	1	0	0

(BI0120)

BAIS4

STUDY NO. : 0611  
ANIMAL : MOUSE B6D2F1/Cr1j[Crj:BDF1]  
SEX : FEMALE

COUSE OF DEATH (SUMMARY)  
(0-105W)

PAGE : 2

Group Name	Control	1000 ppm	2000 ppm	4000 ppm
Number of Dead and Moribund Animal	25	24	25	13
no microscop confirm	0	0	1	0
cardiovascular les	1	0	0	0
hydronephrosis	0	1	1	1
tumor d:leukemia	8	7	5	6
tumor d:subcutis	2	1	0	1
tumor d:spleen	2	0	0	0
tumor d:liver	3	4	2	0
tumor d:pituitary	1	1	2	0
tumor d:uterus	6	8	10	4
tumor d:mammary gl	1	0	0	0
tumor d:muscle	0	1	0	0
tumor d:bone	1	0	0	0
tumor d:peritoneum	0	1	2	1
tumor d:retroperit	0	0	2	0

(BIO120)

BAIS4