*N,N-*ジメチルホルムアミドのマウスを用いた 吸入によるがん原性試験報告書

試験番号:0297

APPENDIX

(A1~Q2)

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(2-YEAR STUDY)

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APPENDIX A 1

CLINICAL OBSERVATION: SUMMARY, MOUSE: MALE

(2-YEAR STUDY)

ANIMAL : MOUSE Crj:BDF1 REPORT TYPE: A1 104

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admini	stration W	eek-day											
		1-1	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
800-branco		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ЕАТН	Control	0	0	0	^	•	0	^	٨	•	٥	^	^	•	
CAIR	Control 200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	•	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	U	0	0	0	0	0	0	0	1	1	1	1	1	1
ORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCONOTOR NOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	Ō	0	, 1	0	Ō	Ŏ	Ö	Ö	Ö
ARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	Ö	Ō	0	ő	Ö	Ö	Ö	Ŏ	o o	0	0	Ö	Ö	0
	400 ppm	0	0	0	0	0	0	0	Ö	Ö	Ö	ů.	Ö	ŏ	Ŏ
	800 ppm	Ō	0	0	0	Ö	Ō	0	ō	0	Ö	Ö	Õ	Ö	ŏ
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	Ó	0	0	0	0	0	Ö
	400 ppm	0	0	Ō	0	Ō	0	0	Ŏ	Ŏ	0	0	0	ŏ	ő
	Mqq 008	0	0	Ō	0	0	Ö	Ō	Ö	Ö	Ö	ŏ	Ö	Ö	ő
ILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	400 ppm	0	0	0	0	Ō	0	Ö	Ŏ	Ŏ	Ö	0	Ö	Ŏ	ő
	800 ppm	0	0	0	0	Ō	Ō	Ö	1	Ö	Ö	ŏ	Ŏ	Ö	ő
ROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0
	200 ppm	0	0	0	0	0	0	Ō	0	Ŏ	Õ	0	0	0	Ö
	400 ppm	0	Õ	Õ	Ö	0	Ö	Ŏ	0	Ŏ	Ô	0	0	0	0
	800 ppm	Õ	Ö	ŏ	ŏ	ŏ	Ö	ŏ	ŏ	ő	Ö	ŏ	Ö	o	o
OILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	000	•			-	Ĭ				· ·	·	v	v	v	v

200 ppm

400 ppm

800 ppm

CLINICAL OBSERVATION (SUMMARY)

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1 104

ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admini	stration W	eek-day											
		14-7	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	0	^	٥	۸	۸	٨	٥	٥	^	٥	•	•	•	•
DEAIR	Control	-	0	0	0	0	0	0	. 0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mqq 008	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mag 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	Ö	Ŏ	ŏ	ŏ	Ö	ŏ	0	ŏ	0	0	0	0	Ö	0
	400 ppm	ő	Ö	0	ŏ	0	Ö	0	0	0	0	0	0	0	0
	800 ppm	Õ	0	Ö	0	0	Ŏ	0	0	0	0	0	0	0	0
		•	v	•	v	v	•	•	v	٧	v	٧	V	v	J
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	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
	200 ppm	0	0	0	Ö	Ö	0	Ŏ	Ô	Ö	0	0	0	Ö	ő
	400 ppm	0	0	0	0	Ō	Ö	Ö	Ō	Ŏ	Ŏ	Ŏ	Ŏ	Ŏ	0
	800 ppm	Ŏ	Ö	Ŏ	ŏ	Ö	Ŏ	ŏ	ŏ	ŏ	ŏ	ő	Ö	Ö	ŏ
PILOERECTION	Control	0	0	0	0	0	^	0	0	0	٥	^	•	•	•
TEOEMEOTION	200 ppm	0	0	0	0	-	0	0	0	0	0	0	0	0	0
	• • • • • • • • • • • • • • • • • • • •	0	0	0	-	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mqq 008	U	U	U	0	0	0	0	0	0	0	0	0	0	0
ROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	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
	200 ppm	0	0	0	Ö	Ō	Ō	Ö	Ŏ	Õ	Õ	Ô	0	0	0
	400 ppm	0	Ō	0	Ŏ	Ö	Ö	Ŏ	Ŏ	0	Ö	0	Ö	0	0
	800 ppm	0	ō	Ô	0	Õ	Ö	Õ	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1 104

ALL ANIMALS

SEX : MALE

linical sign	Group Name	Admini	stration W	eek-day _											
		28-7	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ЕАТН	Control	0	0	0	٥.	0	0	0	٥	0	۸	٥	0	٥	•
EXIA		=		_	0 .	0		-	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mqq 008	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCONOTOR NOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	Õ	0	0	0	0	Ŏ	Ö
	400 ppm	ō	Ö	Ö	Ö	0	Ö	Ö	Ö	0	Ö	0	Ô	0	Ö
	mqq 008	0	Ō	Ö	Ö	Ö	ō	Ö	ŏ	ŏ	ŏ	ŏ	Ö	Ö	Ö
OILED	Control	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0
	200 ppm	Ô	Ŏ	Ŏ	ŏ	Ö	Ö	Ö	0	o o	0	0	Ô	0	ő
	400 ppm	0	Ō	Ō	Ö	0	Ŏ	Ŏ	Ö	0	Õ	0	Õ	0	ő
	mqq 008	ŏ	Ö	Ŏ	Ö	ŏ	ŏ	ŏ	0	Ö	Ö	ő	Ö	0	Ö
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	Õ	ŏ	0	ŏ	Ŏ	Ŏ	Ö	Ŏ	0	Ô	0	0	0	0
	400 ppm	Ŏ	0	0	Ö	0	0	Ő	Ö	0	0	0	0	0	0
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ROG BELLY	Control	n	0	0	0	0	0	0	0	0	0	0	0	0	0
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	400 ppm	0	Ö	0	Ŏ	0	0	0	0	0	0	0	0	0	0
	mag 008	ŏ	ő	Ö	Ŏ	0	Ŏ	0	Ŏ	0	0	0	0	0	0
SOILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	•	•	•	•	-	•
	400 ppm 800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OVV PHII	V	v	U	U	U	v	U	v	U	U	U	U	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

ANIMAL : MOUSE Crj:BDF1 REPORT TYPE : A1 104

STUDY NO.: 0297

SEX : MALE

SEX : MALE			PAGE: 4
Clinical sign	Group Name	Administration Week-day	

<-day		
44-7 45-7 46-7	50-7 51-7 52-7	53-7 54-7 55-7
1 1 1	1 1 1	1 1 1
0 0 0 .	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 1 1	1 1 1	1 1 1
0 0 0	0 0 0	0 0 0
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CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1 104

SEX : MALE

linical sign	Group Name	Admini	stration W	eek-day						• •					
= 1401		56-7	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
		1	1	1	1	1	1	1	1	-1	1	1	1	1	1
EATH	Control	0	0	0	0	0	0	1	1	1	1	1	1	2	2
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	mqq 008	1	1	1	1	1	1	1	1	2	2	2	2	2	2
ORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	1	1
OCONOTOR MOVEMENT DECR	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ō	Ö
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	Ö	1	Ô
ARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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OILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	Ō	0	Ö	0	Ŏ	0	0	1
	400 ppm	0	0	0	0	0	0	Ö	Ŏ	Ŏ	Ŏ	ŏ	Ö	0	Ô
	800 ppm	0	0	0	Ö	Ö	Ö	0	Ö	1	1	1	Ö	ő	0
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	400 ppm	Ō	Ö	Ö	Ö	Ö	Ö	ŏ	ŏ	Ŏ	Ö	ő	Ö	0	Ŏ
	mdd 008	0	Ö	Ö	Ŏ	Ö	ŏ	Ö	ŏ	1	1	1	1	1	0
ROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	Ō	0	Ö	Ö	Ŏ	Ö	Ŏ	0	Ö	0	0	0
	400 ppm	Ō	Ö	Ö	ŏ	Ö	0	Ö	Ŏ	ő	0	Ŏ	0	0	0
	800 ppm	Ö	Ö	Ö	ŏ	ő	ő	Ö	0	1	1	1	1	1	1
OILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	Ō	Ö	Ö	Õ	Ŏ	1
	400 ppm	0	0	0	0	Ō	Ö	Ö	0	Ö	Ö	Ö	0	Ŏ	0
	800 ppm	0	0	0	0	0	0	Ŏ	0	0	0	Õ	1	1	ő

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

ANIMAL : MOUSE Crj:BDF1

STUDY NO.: 0297

REPORT TYPE : A1 104

SEX : MALE

Clinical sign	Group Name	Admini	stration W	leek-day										***********	
_		70-7	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	2	2	2	3	4	4	4	4	4	4	4	4	5	5
	200 ppm	1	2	2	2	2	2	2	3	3	3	3	3	3	3
	400 ppm	1	1	1	1	1	1	1	1	1	1	1	2	2	2
	800 ppm	2	2	2	2	2	2	2	2	3	3	3	3	3	3
ORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	200 ppm	0	0	0	0	0	0	0	0	. 0	0	.0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	800 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	Ö	0	Ö	Ö
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	Ö	Ö	0	Ŏ	Ö	Ö	ŏ
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	Ö	0	Ŏ	Ô	0	Ŏ	Ŏ	ŏ	ŏ
	400 ppm	0	Ō	Ö	Ö	0	Ö	Õ	Õ	Õ	Õ	ŏ	Ŏ	0	0
	800 ppm	Ö	Ö	Ö	Ö	ŏ	ŏ	Ö	Ö	ŏ	Ö	Ö	Ö	0	0
SOILED	Control	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	Ŏ	Õ	0	Ö	Ö	0	0	0	0	0	0	0	0
	400 ppm	0	0	Ō	Ō	Ŏ	Ŏ	Ŏ	ŏ	0	Ö	Ö	ŏ	0	ő
	mqq 008	0	0	0	Ö	Ö	ŏ	ő	Ŏ	ŏ	ő	ő	Ö	0	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	Ö	Ŏ	0	0	0	Ö	0	0	0	0	0	0	0	0
	400 ppm	0	Ö	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	ő	ő	ő	Ö	ő	Ŏ	ŏ	0	0	0	0	0	0	0
FROG BELLY	Control	0	0	0	0	0	0	1	1	1	1	1	1	0	0
	200 ppm	Ö	0	Ŏ	Ö	Ö	0	Ō	0	0	0	0	0	0	0
	400 ppm	Ŏ	Ö	Ŏ	ő	0	0	Ö	0	Ö	1	1	0	0	0
	mqq 008	1	1	1	1	1	1	1	1	0	0	0	0	0	0
SOILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	Ō	0	0	0	Ö	Ö	Ŏ	0	0	0	0	0	0	0
	400 ppm	Ö	Ŏ	Ŏ	Ö	0	0	0	0	0	0	0	0	0	0
	800 ppm	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0
	OUV PPIII	•	v	U	v	v	v	v	v	v	v	v	U	U	v

CLINICAL OBSERVATION (SUMMARY)

ANIMAL : MOUSE C-j:BDF1
REPORT TYPE : A1 104

ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admini	stration W	leek-day										,	
		84-7	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
AT LITTLE	a	•	•				•	_	_	_	_	_	_	_	
DEATH	Control	6	6	6	6	6	6	7	7	7	7	7	7	7	8
	200 ppm	3	3	3	4	4	4	4	4	4	5	5	7	9	9
	400 ppm	2	3	3	3	3	3	3	3	3	3	3	3	3	4
	800 ppm	3	3	4	4	4	4	4	5	5	5	5	5	5	5
MORIBUND SACRIFICE	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	200 ppm	0	0	1	2	2	2	2	2	2	2	2	2	2	2
	400 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	800 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ō
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	Ô	0	Õ	Ō	0	Ö	Õ	Ö	0	Õ	Ŏ	0	Ö	Ö
	400 ppm	o o	Õ	Ö	Ö	Ŏ	ŏ	Ö	0	0	0	0 .	0	0	0
	800 ppm	Ö	Ö	Ŏ	Ŏ	Ŏ	ŏ	Ö	Ö	0	Ŏ	0	0	0	0
								-	-	•	-	•	·	Ţ	J
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	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
	200 ppm	0	0	1	0	Ö	Ō	Ö	Ö	Ö	Ŏ	Õ	Õ	Ö	ŏ
	400 ppm	0	0	0	0	Ö	Ö	Ō	Ö	Ŏ	Ö	Ö	ŏ	Ö	1
	800 ppm	0	ŏ	Ö	Ö	Ö	Ö	ŏ	ŏ	ŏ	ŏ	ŏ	Ö	Ö	0
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	ő	ŏ	0	0	0	0	Ö	0	0	0	0	0	0	0
	400 ppm	ŏ	Õ	Ö	0	0	Ŏ	0	. 0	0	0	0	0	0	-
	800 ppm	Ö	Ö	0	Ö	0	0	0	0	0	0	0	0	0	1 0
SOILED PERI GENITALIA	Control	0	0	0	0	ó	0	0	0	0	0	0	0	0	٥
JOILES I LAI GENIINGIA	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	-				•	•	•	•	•	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	U	U	U	U	0	U	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 104

SEX : MALE

Clinical sign	Group Name		istration	Week-day _				
		98-7	99-7	100-7	101-7	102-7	103-7	104-7
	· · · · · · · · · · · · · · · · · · ·	1	1	1	1	1	1	1
DEATH	Comboni	0	0	11	11	10	10	10
DEATH	Control	9	9	11	11	12	12	12
	200 ppm	9	12	13	13	13	13	13
	400 ppm	4	7	9	9	10	10	10
	mqq 008	5	5	5	5	5	5	6
MORIBUND SACRIFICE	Control	1	1	1	1	1	1	1
	200 ppm	2	2	2	4	4	4	4
	400 ppm	1	1	1	1	1	1	2
	800 ppm	1	2	2	4	4	4	4
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0
	200 ppm	0	0	0	1	0	0	0
	400 ppm	0	0	Ô	0	0	Ō	1
	800 ppm	Ö	Ö	Ö	Ö	ŏ	Ö	Ō
DIDII VEIC CLIT		•	^	•	•	•	•	
PARALYTIC GAIT	Control	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	1
SOILED	Control	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	0	0
·	200 ppm	0	0	0	0.	Ö	Ő	Ö
	400 ppm	0	Ö	0	0	0	0	0
	800 ppm	0	0	1	0	1	1	0
		v	v	1	U	1	1	V
FROG BELLY	Control	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0
	400 ppm	1	0	0	0	0	0	0
	800 ppm	Ō	0	0	Ō	1	i	0
COLLED DEDT CENTERT I	0	•						
SOILED PERI GENITALIA	Control	0	0	0	0	0	0	0
	200 ppm	0	0	1	0	0	0	0
	400 ppm	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	1

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 104

SEX : MALE

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

Clinical sign	Group Name	Adminis	stration We	ek-day										·	
		1-1	1-7	2-7	3-7	4-7	5-7	67	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
							•				····	****			
XOPHTHALMOS	Control	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 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
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	Ō	Ô	0
	400 ppm	0	0	0	0	Ō	0	0	0	Ō	Ō	Ō	Ö	Ō	Ö
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ō
XTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	Ö	Ō	0	0	Ō	Ö	Ö	Ō	Ö	Ŏ	Ŏ	ő
	800 ppm	0	0	0	0	0	0	0	Ō	0	Ō	0	0	0	Ō
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	Ō	Ö	Ō
	mqq 008	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
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0 .	Ō	Ö	0	Ö
	800 ppm	0	0	Ō	0	Ō	0	0	Ö	Ö	Ö	Ŏ	Ö	ŏ	Ö
1.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	Ō	0	0	0	0	0	Ō
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admini	stration W	eek-day											
		14-7	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
		_			_	_									
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
NTERNAL MASS	Control	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	1	1	1
I.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	Ó	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	Ō	Ö	0	0	0	0	Ō	Ō
	800 ppm	0	0	0	0	0	0	0	Ö	0	. 0	0	0	ō	0

CLINICAL OBSERVATION (SUMMARY)

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1 104

ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admini	stration W	eek-day											
		28-7	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
EXOPHTHALMOS	Control	0	0	٥	•	0	^	٥	٥	•	۰	•	•	•	•
EXUPHINALMUS	Control.	_	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0 -	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 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
	200 ppm	0	0	Ŏ	0	Ö	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0
	OVV PAII	v	V	v	v	V	v	v	v	U	v	U	U	U	U
XTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NTERNAL MASS	Control	0	0	1	1	1	1	1	1	1	1	1	1	1	1
	200 ppm	0	0	0	Ō	ō	0	0	ō	ō	ō	ō	ō	ō	Ō
	400 ppm	0	0	0	0	0	0	0	0	Ö	Ō	Ō	Ö	Ö	Ŏ
	800 ppm	1	1	1	1	1	1	1	1	1	i	1	1	1	1
1.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	^	•	0
1.11006	200 ppm	0	0	0	0	0	0	0		-	•	0	0	0	0
	200 ppm 400 ppm	•	•	-					0	0	0	•	0	0	0
		0	0	0 0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	U	U	U	U	0	0	0	0	0	0	0	0	0	0
I.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	Ō
.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
. ——	200 ppm	ō	Ö	Ő	0	ŏ	Ö	0	0	Ŏ	0	0	0	0	0
	400 ppm	ő	ŏ	0	0	Ö	0	Ö	0	0	0	0	0	0	0
	800 ppm	ő	0	0	0	0	0	0	0	0	0	0	0	0	0
	ore poin	v	Ū	v	v	v		v	v	v	v	v	v	v	v

CLINICAL OBSERVATION (SUMMARY)

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1 104

MOUSE Crj:BDF1 ALL ANIMALS

SEX : MALE

linical sign	Group Name	Admini	stration W	eek-day											
		42-7	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
	·	1	1	1	1	1	1	1	1	1	1	1	1	1	1
VADIITII II VAC	0 1 1	•	•			•	•								
XOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 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
	200 ppm	0	0	0	0	0	0	Ō	Ō	Ö	ō	Ô	0	Ö	Ŏ
	400 ppm	0	Ö	Ö	Ö	Ö	1	1	1	1	1	1	1	1	1
	800 ppm	0	0	0	0	0	ō	ō	ō	ō	Ō	ō	Ō	ō	0
NTERNAL MASS	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	200 ppm	0	0	0	0	0	0 -	0	Ō	Ō	Ō	ō	ō	Ō	ō
	400 ppm	0	0	0	0	Ō	0	0	0	Ŏ	Ö	Ŏ	Ŏ	ŏ	Õ
	mqq 008	1	1	1	1	1	1	1	1	1	1	1	1	1	1
I.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	Ö	Ö	Ŏ	Ö	Ö	Ő	0	ő	0	0	0	0
	400 ppm	0	Ö	Ō	0	Õ	Ö	Ö	Ö	Ŏ	ŏ	0	Ŏ	0	0
	800 ppm	0	Ŏ	Ö	Ö	Ö	Ö	Ö	Ö	ŏ	ŏ	ŏ	Ö	ŏ	0
.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	Ō	Ö	Ō.	ō	Ö	ŏ	Ŏ	ŏ	Ö	0	0	0	ő
	400 ppm	Ō	0	ō	Ŏ.	Ŏ	Ö	Ŏ	Ö	Ŏ	Ö	0	Ö	0	0
	mqq 008	Ō	0	0	0	0	ŏ	Ö	Ö	Ö	Ö .	ő	ŏ	Ŏ	0
I.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	Ó	0	0	0	Ō	Ö	Ŏ	Ö	0	Ŏ	0	ŏ
	400 ppm	0	Ö	Ö	Ö	Ŏ	Ŏ	Ŏ	Ö	ŏ	Ö	Ö	0	0	0
	800 ppm	0	Ö	Ō	Ö	0	0	Ŏ	ő	Ŏ	Ö	0	0	Ö	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

STUDY NO.: 0297 ANIMAL : MOUSE C-j:BDF1
REPORT TYPE : A1 104

SEX : MALE

Clinical sign	Group Name		stration W												
		56-7	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
rockline at a se		1	1	1	1	1	1	1	1	1	1	1	1	1	1
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
aioi ii i ii i	200 ppm	0	0	0	0	0	0	0	1	1	1	1	1		
	400 ppm	0	0	0	0	1	1	1	1		1	-	_	1	1
	800 ppm	0	Ö	ő	0	0	0	0	1	1 1	1	1 1	1 1	1 1	1 1
YE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	Ô	Ö	0	0	0
	400 ppm	0	0	0	Ō	0	0	Ŏ	Ŏ	Ŏ	ŏ	0	Ö	1	1
	800 ppm	1	1	1	1	ĺ	1	1	1	1	1	í	1	1	1
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	Ō	0	Ö
	mqq 008	1	1	1	1	1	1	1	1	1	1	1	1	i	1
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	400 ppm	1	1	1	1	1	1	1	1	1	1	2	2	2	2
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	Ō
NTERNAL MASS	Control	1	1	1	1	1	1	1	1	1	1	1	1	2	2
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	1	1	1	0	0	0
	mqq 008	1	1	2	2	3	3	3	3	2	3	3	3	2	2
.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ô
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	.0	0	0	0	0	0	0	0	Ō	Ŏ
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	ō	Ö

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

ALL AN

SEX : MALE

Clinical sign	Group Name	Admini	stration W	eek-day											
	•	70-7	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	1	1	1	1	1	1	1	1	1	1	1	2	2	2
	400 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Mqq 008	1	1	1	1	1	1	1	1	1	1	1	1	1	1
EYE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	800 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	1	1	1	1	1	1	1	1	1	1	1	1	i	ì
EXTERNAL MASS	Control	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	200 ppm	0	0	0	0	0	0	0	0	Ō	ō	0	Õ	ō	ō
	400 ppm	2	2	2	2	2	2	2	2	2	2	2	1	1	1
	800 ppm	0	0	0	1	1	1	1	1	1	2	2	2	2	3
NTERNAL MASS	Control	2	2	2	1	2	2	2	2	2	2	2	2	1	2
	200 ppm	1	1	2	2	3	3	3	2	2	2	1	1	1	3
	400 ppm	. 0	0	0	0	0	1	ī	1	2	2	2	1	2	5
	800 ppm	3	3	3	3	3	3	3	4	4	4	5	5	7	14
1.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	Ö	ŏ	0	0	0	0	0	0	0	0
	400 ppm	0	0	Ö	Ö	Ö	Ô	Õ	Ö	0	0	0	0	0	0
	800 ppm	Ö	Ö	ŏ	Ö	ő	ő	ŏ	ő	0	Ö	Ö	0	0	1
.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	Ō	Ö	Ö	Ö	Õ	Ŏ	0	0	0	0	0	0	0	0
	400 ppm	Ö	Ō	Ö	Ö	Ö	0	Ö	Ö	0	0	0	0	0	0
	mqq 008	Ö	ő	ŏ	ŏ	ő	Ö	Ŏ	Ö	0	1	1	1	1	1
.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	Ō	Õ	Ö	Ö	Ő	0	Ö	0	0	0	0	0	0	0
	400 ppm	ő	Ö	0	0	0	0	0	0	0	0	0	0	0	•
	800 ppm	ő	Ö	Ö	0	0	0	0	0	0	0	0	0	0	0

STUDY NO.: 0297 ANIMAL: MOUSE Crj:BDF1

REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : MALE

Clinical sign	Constant Manager	1.1.2.2								-					
etinicat Sign	Group Name	84-7	stration W 85-7		87-7	00.17	00.5	00.5							
		1	1	86 -7 1	1	88 - 7	89 - 7 1	90 −7 1	91 - 7 1	92 - 7 1	93-7 1	94 - 7	95 - 7 1	96-7 1	9 7-7 1
													<u>-</u>		
XOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	2	2	2	2	2	2	2	3	3	3	3	3	3	3
	400 ppm	1	ī	1	1	1	1	1	1	1	1	1	3 1		
	800 ppm	1	1	1	1	1	2	2	2	2	2	2	2	1 2	1 2
YE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	1	1	1	1	1	1	1	2	2	2	2	2	•	
	400 ppm	1	1	1	1	1	1				_			2	2
	800 ppm	1	1	1	1	1		1	1	1	1	1	1	1	1
	ovo ppii	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	Ó	Ô	0	Ō	0	Õ	Ŏ	Ö	0	ő
	400 ppm	0	0	Ō	0	Ö	Ŏ	Ŏ	0	ŏ	Õ	0	0	0	ŏ
	800 ppm	i	1	1	1	1	1	1	1	1	1	1	1	1	1
	OUU PPIII	•	•	•	1	1	1	1	1	1	1	1	1	1	1
TERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	1	1	0	2	2	2	2	2	1	1	1
	400 ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	1
	mag 008	3	3	2	2	2	2	2	2	2	3	3	3	4	4
VTERNAL MASS	Control	1	1	2	2	2	2	2	1	1	2	2	2	2	3
	200 ppm	3	4	4	4	5	5	4	4	5	7	8	7		
	400 ppm	7	6	7	8	11	9	9						5	5
	800 ppm	13	14	13	13	13	16	9 17	10 22	10	12	17	19	19	20
	ovo ppili	13	14	13	10	13	10	17	ZZ	25	27	30	30	30	32
NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	1	1	1	1	1	1	1	1	1	1	1	i	1	1
EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	Ö	Ö	Ŏ	0	1	1	1	1	1	1	•	· ·
	400 ppm	Ö	Ö	Ö	Ö	Ö	0	0	0	0	0	0	0	1	1
	800 ppm	1	1	1	1	1	1	1	1	1	1	1	1	0 2	0 2
PERI EAR	Control	0	0	0	0	0	0	۸	۸	۸	۸	۸	^	•	
** **** ******	200 ppm	0	0					0	0	0	0	0	0	0	0
		•	-	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

STUDY NO.: 0297 ANIMAL: MOUSE C-j:BDF1

REPORT TYPE : A1 104

SEX : MALE

Clinical sign	Group Name	Admini	stration	Week-day _					
		98-7	99-7	100-7	101-7	102-7	103-7	104-7	
		1	1	1	1	1	1	1	
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	
	200 ppm	3	2	2	2	2	2	2	
	400 ppm	1	1	1	1	1	1	1	
	800 ppm	2	1	1	1	1	1	1	
EYE OPACITY	Control	0	0	0	0	0	0	0	
	200 ppm	2	1	1	1	1	1	1	
	400 ppm	1	1	1	1	1	1	1	
	Mqq 008	1	0	0	0	0	0	1	
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	
	200 ppm	0	0	0	0	0	0	0	
	400 ppm	0	0	0	0	0	0	0	
	800 ppm	1	0	Ö	0	Ö	Ö	1	
DUMPONIAL WAGE			_						
EXTERNAL MASS	Control	0	0	0	0	0	0	1	
	200 ppm	1	1	1	1	1	1	1	
	400 ppm	1	0	0	0	0	0	0	
	mqq 008	4	3	3	3	3	3	3	
INTERNAL MASS	Control	2	3	3	2	2	2	3	
	200 ppm	6	5	6	6	7	7	7	
	400 ppm	21	20	21	26	26	28	28	
	Mqq 008	32	32	32	34	36	36	36	
M.NOSE	Control	0	0	0	0	0	0	0	
	200 ppm	ŏ	ŏ	Ö	ŏ	0	0	0	
	400 ppm	0	Ö	Ö	Ö	ő	0	0	
	800 ppm	1	1	1	1	1	1	1	
	OVV PMII	1	ī		1	1	1	1	
M.EYE	Control	0	0	0	0	0	0	0	
	200 ppm	1	1	1	1	1	1	1	
	400 ppm	0	0	0	0 .	0	0	0	
	mqq 008	2	1	1	1	1	1	1	
M.PERI EAR	Control	0	0	0	0	0	0	1	
· · · · · · · · · · · · · · · · · · ·	200 ppm	Õ	0	0	ŏ	0	Ö	0	
	400 ppm	0	0	Ö	Ö	0	0	0	
	800 ppm	0	0	0	0	0	0	0	
	GOO PINII	v	v	v	v	v	v	v	

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

STUDY NO. : 0297 ANIMAL : MOUSE Crj:BDF1 REPORT TYPE : A1 104

SEX : MALE

															PAGE .
Clinical sign	Group Name	Admini	stration W	eek-day											
		1-1	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
#1 + 1/1 													en 1		
. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I.INTERSCAPULUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	Ö	0	Ŏ	0	Ô	Ŏ	Ö	0	0
	800 ppm	0	0	Ö	Ö	Ö	Ö	0	ő	Ö	ő	Ö	ő	0	Ö
1.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	Ô	Ö	Ŏ	Ö	Õ	Õ	Ŏ	0	0	0	0	0
	400 ppm	0	Ŏ	Ö	Ŏ	Ŏ	Ö	Ö	0	Ö	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ovv ppiii	V	U	V	V	v	V	U	V	v	U	U	U	U	U
.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ö	Ö
	mqq 008	0	0	0	0	0	0	0	Ö	Ö	Ö	Ö	ő	ő	Ö
1.TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	Ö	0	0	Ô	0	Õ	Ö	Ö	ő
	400 ppm	0	0	0	Ö	Ö	Ö	Ö	Ö	Ŏ	0	0	0	0	Ö
	800 ppm	0	Ö	Ö	Ö	Ö	Ö	ő	Ö	ő	Ö	Ö	Ö	Ö	0
ANEMIA	Control	0	0	0	0	0	0	0	0 .	0	0	0	0	0	0
	200 ppm	0	Ō	Ŏ	Ŏ	Ö	Ö	Ö	ő	0	0	0	0	0	0
	400 ppm	0	0	Ŏ	Ŏ	Ö	0	Ö	Ö	0	0	0	0	0	0
	mad 008	ő	ő	ő	Ö	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
	200 ppm	Ô	Ō	Ŏ	ŏ	Ô	Õ	0	ő	0	0	0	0	0	0
	400 ppm	Ö	Ŏ	ŏ	ŏ	0	Ö	Ö	0	0	0	0	0	0	0
	800 ppm	ŏ	Ö	0	ŏ	ő	Ö	0	0	0	0	0	0		
	ove ppm	v	v	v		v	v	v	v	U	v	v	U	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1 104

SEX : MALE

Clinical sign	Group Name	Admini	stration W	eek-day											
	or cap mano	14-7	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
New															
.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.INTERSCAPULUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mag 008	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
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	Ō	0	0
	400 ppm	0	0	0	0	0	0	0	0	0 .	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	Ō	Ö	Ö
	Mqq 008	0	0	0	0	0	0	0	0	0	0	0	Ō	0	Ö
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	Ö	Ö	0	0	0	Ö
	400 ppm	0	0	0	0	0	0	0	0	Ŏ	Ö	Ö	Ö	ő	0
	mqq 008	0	0	0	0	0	Ŏ	0	ő	ŏ	ŏ	ŏ	ő	0	0
EROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	Ō	0	Ö	0	0	Ö	Ö	Ô	0	0
	400 ppm	0	Ö	Ö	Ö	Ö	Ö	Ŏ	Ö	Ö	Ö	0	0	Ö	0
	800 ppm	Ō	Ŏ	Ö	Ö	0	Ö	ŏ	0	0	0	0	0	0	0

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

															rade •
Clinical sign	Group Name		stration W												
		28-7	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
	······································	1	1	1	1	1	1	1	1	1	1	1	1	1	1
.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	Ō	0	0	0	Ö
	mqq 008	0	0	0	0	0	0	Ō	0	Ö	Ō	0	Ö	Ö	Ŏ
.INTERSCAPULUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mag 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEHIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mag 008	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
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1 104

ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admini	stration W	leek-day											
		42-7	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
. NECK	Control	0	0	0	0	0	0	0	0	0	0	٥	0	0	^
. NEOR	200 ppm	0	0	0	0	0	0	0	0			0	-	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
This book with the	0	•	•	•			_			_					-
I.INTERSCAPULUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	. 0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	Ö	Ō	0	0	Ŏ	Ö	ŏ
	400 ppm	0	0	0	Ō	Ō	0	Ö	Ŏ	Ŏ	0	Ö	0	0	Ö
	800 ppm	ő	Ö	0	0	0	0	0	0	0	0	0	0	0	0
	OU PAII	v	v	v	v	v	V	U	v	V	U	U	U	U	U
.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	Ó	0	0	0	Ō	0	ŏ	0	ŏ	Ö	0	ő
	800 ppm	0	0	Ö	Ö	Ö	Ŏ	Ŏ	ŏ	ŏ	0	Ö	0	0	0
CEMPALIA	0 1 1	•	•	•	•			_							
I.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	1	1	1	1	1	1	1	1	1
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	Ō	0	Ŏ	Ö	Ŏ	Ö	0	0	0	0	0	0	0	0
	400 ppm	ŏ	0	ő	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	Ö	0	0	0	0	0	0	0	0	0	0
							-	-	-	•	·	•	•	•	•
NEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ō
ROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	Ô	Ö	Ö	0	0	0	0	0	0	0	0	0	0
	400 ppm	ŏ	0	Ŏ	Ö	0	0	0	0		•	•	-	-	
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OVO PPIII	v	v	U	U	U	U	U	U	U	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

ANIMAL : MOUSE C-j:BDF1
REPORT TYPE : A1 104

SEX : MALE

Clinical sign	Group Name		istration W	eek-day											
		56-7	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.INTERSCAPULUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	Ö	Ö	Ö	Ö
.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	Ö	Ŏ	0
	400 ppm	0	0	0	0	0	0	0	Ō	Ö	Ŏ	Ŏ	Ŏ	Õ	Ö
	800 ppm	0	0	0	0	Ō	Ö	Ö	Ö	Ö	Ö	ŏ	Ö	Ö	Ö
.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	Ö	0	Ö	1	1	1	1
	400 ppm	1	1	1	1	1	1	1	1	1	1	1	ī	1	1
	800 ppm	0	0	ō	Ō	Ō	ō	ō	ō	0	Ô	Ō	0	Ô	0
TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ô	0
	400 ppm	0	0	0	0	0	0	Ö	Õ	Ö	Ö	1	1	í	1
	mqq 008	Ö	Ö	Ö	ŏ	Ö	ŏ	ő	ő	Ö	Ö	Ô	0	0	0
NENIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	Ō	ŏ	Ö	Ŏ	0	Ö	Ô	0	0	0
	400 ppm	0	0	0	0	0	Ō	Ŏ	Ö	ŏ	Ŏ	0	0	0	0
	800 ppm	0	0	Ö	Ö	Ö	o o	Ŏ	ŏ	Ö	0	0	0	0	0
EROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	Ō	0	0	0	0	Ö
	400 ppm	0	0	. 0	Ō	Ö	Ŏ	Ö	Ö	Ö	Ö	0	0	Ö	0
	800 ppm	Ö	0	Ŏ	Ö	ŏ	Ö	ŏ	Õ	Õ	Ö	0	1		0

CLINICAL OBSERVATION (SUMMARY)

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1 104

ALL ANIMALS

SEX : MALE

															I AGE - I
linical sign	Group Name	Admini	istration W	eek-day											
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	807	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
. NECK	Control	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.INTERSCAPULUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	1	1	1	1	1	1	0	0	0
	mag 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	Ö	Ö	Ö	Ö	0	Ö
.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	1	1	1	1	1	1	1	1	1	1	1	0	0	0
	800 ppm	0	0	0	1	1	1	1	1	1	1	1	1	1	1
TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	ō
VENTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	ō	Ō
ROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	Ö	0	Ö
	800 ppm	0	0	0	0	0	0	0	0	0	Ô	0	Ŏ	Ö	ő

CLINICAL OBSERVATION (SUMMARY)

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1 104

ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admini	stration W	eek-day											
		84-7	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
.NECK	Control	٨	^	0	٨	٥	٥	•	•	•	•	•	•	•	•
. NEGA	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	1	1	1	1	1	0	0	0
	400 ppm 800 ppm	0 0	0 0	0 0	0 0	0 0	0	0	0	0	0 0	0	0	0	0
.INTERSCAPULUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
· · · · · · · · · · · · · · · · · · ·	200 ppm	0	0	0	0	Ö	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	ő	ő	Ö	ő	ő	0	0	0	1	1	1	1	1
.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	Ö	Ö	Ö	Ö	Ö	Ŏ	Õ	Ö	Ŏ	Õ	Õ	ő	ŏ
	400 ppm	0	0	0	0	Ö	Ö	0	ō	Ö	Ö	Ŏ	Ö	Ö	ŏ
	800 ppm	0	0	0	Ō	0	Ö	Ö	Ö	Ö	Ö	Ö	Ö	ő	ő
.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	Ö	Ō	ō	0	ō	Ŏ	0	Ŏ	0 .
	400 ppm	1	1	1	1	1	1	1	1	1	1	i	1	1	Ö
	mqq 008	0	Ō	Ō	0	0	0	Õ	Ō	0	0	Õ	ō	Ō	ŏ
.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	1	1	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	1	1	0	0	0	0	0	0	0	0	0	0	0	0
.TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0
	400 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1 104

SEX : MALE

Clinical sign	Group Name	Admini	stration	Week-day _					
		98-7	99-7	100-7	101-7	102-7	103-7	104-7	•
		1	1	1	1	1	1	1	
M.NECK	Contract	0	0	0	•		•	•	
n.neck	Control	•	0	0	0	0	0	0	
	200 ppm	0	0	0	0	0	0	0	
	400 ppm	0	0	0	0	0	0	0	
	mqq 008	0	0	0	0	0	0	0	
M. INTERSCAPULUM	Control	0	0	0	0	0	0	0	
	200 ppm	0	0	0	0	0	0	0	
	400 ppm	0	0	0	0	0	0	0	
	mqq 008	1	1	1	1	1	1	1	
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	
•	200 ppm	Ö	Ŏ	ŏ	Ŏ	Ö	Ö	Ô	
	400 ppm	0	Ō	Ö	Ŏ	Ö	Ö	0	
	800 ppm	Ö	Ô	Ŏ	0	Ö	0	Ö	
		*	•	•	·	v	•	v	
M.HINDLIMB	Control	0	0	0	0	0	0	0	
	200 ppm	0	0	0	0	0	0	0	
	400 ppm	0	0	0	0	0	0	0	
	800 ppm	0	0	0	0	0	0	0	
M.GENITALIA	Control	0	0	0	0	0	0	0	
	200 ppm	0	0	0	0	0	0	0	
	400 ppm	0	0	0	0	0	0	0	
	800 ppm	0	0	0	0	0	0	0	
	ovo ppiii	v	v	U	U	v	U	v	
M.TAIL	Control	0	0	0	0	0	0	0	
	200 ppm	0	0	0	0	0	0	0	
	400 ppm	1	0	0	0	0	0	0	
	800 ppm	0	0	0	0	0	0	0	
ANEMIA	Control	0	0	0	0	٥	٥	۸	
HILLII II	200 ppm	0		0		0	0	0	
		-	0		0	0	0	0	
	400 ppm	0	0	0	0	0	0	0	
	800 ppm	0	0	0	. 0	0	0	1	
EROSION	Control	0	0	0	0	0	0	1	
	200 ppm	0	0	0	0	Ö	Ō	Ō	
	400 ppm	0	0	Ō	0	Ö	Ö	Ŏ	
	800 ppm	1	1	1	1	1	1	1	

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1 104

SEX : MALE

PAGE: 25

Clinical sign	Group Name	Admini	stration We	eek-day											
		1-1	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DVIOTE.															
RUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	i	0	Ō	0	Ō	0	0
BNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	Ō	Ö	0	Ô
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mqq 008	0	0	0	0	0	0	0	1	0	Ö	Ö	Ö	Ö	Č
UBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	(
	200 ppm	0	0	0	0	0	0	0	Ō	Ö	Ö	Ō	0	0	ì
	400 ppm	0	0	0	0	0	Ō	Ō	Ö	Ö	Ŏ	Ö	0	0	Č
	mqq 008	0	Ö	Õ	Ŏ	Ö	Ö	Ŏ	1	ő	Õ	Ö	0	0	(

(HAN190)

CLINICAL OBSERVATION (SUMMARY)

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1 104

ALL ANIMALS

SEX : MALE

PAGE: 26

linical sign	Group Name	Admini	stration W	eek-day _				•							
		14-7	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
RUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ō	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY)

STUDY NO.: 0297
ANIMAL: MOUSE Cr-j:BDF1
REPORT TYPE: A1 104

ALL ANIMALS

SEX : MALE

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Clinical sign	Group Name	Admini	stration W	eek-day _											
		28-7	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-
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mqq 008	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
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	Ō	0
BNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	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
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	Ō	Ö	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	Ö	0	Ō	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	Ō	Ō	Ŏ	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1 104

STUDY NO.: 0297

SEX : MALE

linical sign	Group Name	Admini	stration W	leek-day											
		42-7	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
RUSTA	Control	٥	0	0	0	0	0	0	0	0	٥	0	0	٥	٥
100111	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	٨	0	0	0	0	0	0	0	0	0	0	۸	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
				•	-	-	•	•	•	•	•	•	·	·	·
ORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	٥	0	٥
	200 ppm	ő	Ô	Ô	Ö	ŏ	Ö	ŏ	0	Ö	0	ň	0	ň	0
	400 ppm	0	Õ	0	Ö	Ö	Ŏ	Ö	0	0	0	0	0	٥	0
	800 ppm	Ö	Ö	0	Ö	ő	Ö	ő	Ö	Ŏ	0	0	0	Ŏ	0
BNORMAL RESPIRATION	Control	Λ	0	0	0	0	0	0	0	0	0	0	0	0	^
bround abortantion	200 ppm	0	٨	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OU PAII	v	v	v	v	V	v	v	v	U	U	U	U	U	U
JBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	n

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ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : MALE

PAGE: 29

Clinical sign	Group Name	Admini	istration W	eek-day _											
		56-7	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
·		1	1	1	1	1	1	1	1	1	1	1	1	1	1
an voin					_	_									
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORTICOLLIS	Control	1	1	1	1	1	1	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	Ó	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	400 ppm	0	0	0	0	0	0	0	0	Ō	0	0	0	0	0
	800 ppm	0	. 0	0	0	0	0	Ō	0	0	0	Ö	Ö	Ö	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	Ō	Ö	Ö	Õ	Õ	Õ	Ô
	400 ppm	0	0	0	0	Ô	0	0	ō	0	Ŏ	Õ	0	Õ	0
	800 ppm	0	0	0	0	Ō	Ö	Ö	Ŏ	Ö	Ŏ	Ö	Ö	1	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ANIMAL : MOUSE Crj:BDF1 ALL ANIMALS

REPORT TYPE : A1 104

SEX : MALE

PAGE: 30

Clinical sign	Group Name	Admini	stration W	eek-day											
		70-7	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
RUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RREGULAR BREATHING	Control	0	0	0	0	0	0	1	1	1	1	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	Ō	0	0	0	0
BNORMAL RESPIRATION	Control	0	0	0	0	0	0	1	1	1	1	0	0	. 0	0
	200 ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mad 008	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0
UBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ó

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

STUDY NO.: 0297
ANIMAL: MOUSE Crj:BDF1
REPORT TYPE: A1 104

SEX : MALE

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Clinical sign	Group Name	Admini	stration W	ek-day _											
		84-7	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
						_									
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORTICOLLIS	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mag 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mag 008	0	0	Ō	0	Ō	Ö	Ö	Ö	Ŏ	Ö	Ö	Ö	Ö	Ö
UBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	Ö	Ō	Ö	0	0	Ŏ	Ŏ	Ö	ň

(HAN190)

CLINICAL OBSERVATION (SUMMARY)

ANIMAL : MOUSE C-j:BDF1
REPORT TYPE : A1 104

. : MOUSE Crj:BDF1 ALL ANIMALS

SEX : MALE

PAGE: 32

Clinical sign	Group Name	Admini	istration	Week-day _					
		98-7	99-7	100-7	101-7	102-7	103-7	104-7	
		1	1	1	1	1	1	1	
		· •							
CRUSTA	Control	0	0	0	0	0	0	0	
	200 ppm	0	0	0	0	0	0	0	
	400 ppm	1	1	2	2	1	1	1	
	800 ppm	0	0	0	0	0	0	0	
TORTICOLLIS	Control	0	0	0	0	0	0	0	
	200 ppm	ő	0	Ö	Õ	ŏ	0	Ŏ	
	400 ppm	ñ	0	0	0	0	0	0	
	mag 008	0	0	Ö	0	0	0	0	
	ooo ppiii	v	Ů	v	V	V	v	V	
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	
	200 ppm	0	0	0	1	0	0	0	
	400 ppm	0	0	0	0	0	0	1	
	mqq 008	0	0	0	0	0	0	Ō	
ABNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	
	200 ppm	0	0	0	1	Ö	Ö	Ö	
	400 ppm	0	Ö	ŏ	ō	Ŏ	Ö	1	
	800 ppm	Ô	0	Ö	Ô	0	ő	Ō	
	COU PPIN	v	v	v	v	V	V	V	
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	
	200 ppm	0	0	0	1	0	0	0	
	400 ppm	0	0	0	0	0	0	1	
	800 ppm	0	0	0	0	0	0	0	
		_	-	•	•	•	•	v	

(HAN190)

APPENDIX A 2

CLINICAL OBSERVATION: SUMMARY, MOUSE: FEMALE

(2-YEAR STUDY)

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Admini	stration We	eek-day							-				
		1-1	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
· · · · · · · · · · · · · · · · · · ·		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0 .	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCONOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ô
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ō
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	Ö	Ŏ	0	Ö	0
	400 ppm	0	0	0	0	0	0	0	Ō	Ō	Ö	Ô	Ö	Ö	0
	800 ppm	0	0	0	0	Ö	Ö	Ö	Ö	Ö	ŏ	Ö	ŏ	ő	0
DILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	Ō	Ö	Ŏ	0	0	0
	400 ppm	0	0	0	0	0	0	0	Ō	Ö	Ö	Ŏ	Ö	0	0
	mqq 008	0	0	0	0	0	0	Ö	Õ	Ö	ő	Ö	0	0	0
ILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	Ö	Ō	Ö	Ŏ	Ô	0	0	0	0
	400 ppm	0	0	0	0	0	Ō	Ö	ŏ	Ö	Ö	ŏ	Ö	0	0
	mqq 008	0	0	0	0	Ō	ō	Ö	Ö	0	Õ	Õ	0	0	ő

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

STUDY NO. : 0297 ANIMAL : MOUSE C-j:BDF1 REPORT TYPE : A1 104

SEY : FEMALE

SEX: FEMALE	P	AGE: 34

Clinical sign	Group Name		stration W												
		14-7	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
The Street, and		1	1	1	1	1	1	1	1	1	1	1	1	1	1
БЕАТН	Control	. 0	0	0	٥	٨	0	•		•	•	•	•	•	
DEATH	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0 0	0 0	0	0 0	0 0	0 0	0	0
ORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	Ŏ	Ŏ	Ö	ŏ	0	Õ	Õ	0	0	0	0	0
	400 ppm	ŏ	Ŏ	0	Ö	0	0	0	0	0	0	0	0	0	. 0
	Mqq 008	Ö	Ō	Õ	Ō	ő	Ö	Ö	ő	0	Ö	Ö	0	0	0
OCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	Ō	0	Ō	0	Ō	Ŏ	Ö	ő
	400 ppm	0	0	0	0	0	0	Ō	Ö	0	Ō	Ö	Ŏ	Ö	Ö
	mqq 008	0	0	0	0	0	0	0	Ō	0	0	Ö	Ö	ő	Ö
UNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	Ö	0	Ö	Ö
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ō	Ō
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö
	800 ppm	0	0	0	0	0	0	0	0	0	0	Ö	Ô	Ö	0

CLINICAL OBSERVATION (SUMMARY)

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1 104

ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W	leek-day											
		28-7	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	0	0	0	۸	0	0	۸	0	0	^	٥	•	٨	^
DEATH	200 ppm	0	0	0	0 0	0	0	0	_	0	0	0	0	0	0
		-	0				-	0	0	0	0	0	0	0	0
	400 ppm	0	-	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORIBUND SACRIFICE	Control	0	0	0	0	0	1	1	1	1	1	1	1	1	1
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	Ö	0	Ö	Ö	Ö	Ŏ	0
	400 ppm	0	0	0	0	0	0	Ö	0	Ö	Ŏ	Ö	0	Ö	0
	800 ppm	0	Ö	Ö	Ö	Ō	Ö	ő	ŏ	ő	Ŏ	ŏ	Ö	0	ő
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	Ô	Ö	0	Ö	Ö	Ö	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0		
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ovo ppili	v	v	U	U	v	V	V	U	U	U	U	U	0	0
PARALYTIC GAIT	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	Ō	0	0	ō
WASTING	Control	0	0	0	0 .	0	1	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	<u>0</u> .	Ō	0	0	Ö	Õ	ő	0	Ö
	400 ppm	0	Ö	Ö	Ö	ŏ	Ö	Ö	Ö	Ö	Ö	0	0	0	0
	mqq 008	ŏ	Ŏ	ő	ŏ	ŏ	ő	Ö	ŏ	Ŏ	0	Ö	0	Ö	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	Ö	Ö	Ö	Ö	Ŏ	Ŏ	0	0	0	0	0	0	0	0
	400 ppm	0	Ö	Ö	0	ŏ	0	0	0	0	0	0	0	0	0
	800 ppm	0	Ö	0	0	0	0	0	0	0	0	0	0	0	0
LOERECTION	Control	0	0	0	1	1	1	0	0	0	0	0	۸	0	0
I DOLINEOT FOR	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	-			-	-	-	-	•	•	Ū	0	0
		•		0	0	0	0	0	0	0	0	0	0	0	0
	Mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ANIMAL : MOUSE C-j:BDF1

REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : FEMALE PAGE: 36

Clinical sign	Group Name	Admini	stration W	eek-day											
		42-7	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
	50 APA	1	1	1	1	1	1	1	1	1	1	1	1	1	1
n kuru i	0.00	٥	•		0	•	•	•	•	•				_	
EATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mqq 008	0	0	0	0	0	0	0	0	0	0	1	1	1	1
ORIBUND SACRIFICE	Control	1	2	2	2	2	2	2	2	2	2	2	2	2	2
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCOMOTOR MOVEMENT DECR	Control	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ō
UNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	Ô	Ö	Ö	0	Ŏ	Ö	Ö	Ŏ	0	Ö	Ö	Ö
	400 ppm	ő	0	Ô	Ŏ	0	0	0	ő	0	0	0	0	Ö	0
	800 ppm	0	0	0	Ö	0	0	0	0	0	0	0	0	ő	0
	COO PPIII	v	v	v	V	V	v	v	v	V	v	v	v	v	U
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0 -	0	0	0	0	0	0	0	0	0	0
MASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	Ō	Ö	0	Ö	Ö	0	Ö	0
	400 ppm	0	0	0	0	0	0	Ō	Ō	0	Ö	Ö	Ö	Ŏ	0
	mqq 008	Ō	Ō	0	Ō	Ō	0	Ö	Ö	Ö	Ŏ	ŏ	ŏ	ŏ	Ö
COILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	Ō	Ö	Ö	Ö	Ö	0	Ö	Ö	0	Õ	0	0	0	0
	400 ppm	0	0	Ö	Õ	Ō	0	Ō	Ö	0	0	0	0	0	0
	800 ppm	Ö	Ö	Ö	Ö	Ö	Ö	0	ő	Ö	0	Ŏ	0	0	0
ILOERECTION	Control	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	•	•	•		•
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OVV PPIII	v	v	v	U	U	v	v	U	U	U	U	U	U	0

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W	leek-day _											
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	677	68-7	69-7
9-04-4-2		1	1	1	1	1	1	1	1	1	1	1	1	1	1
NE ATH	Constant	^	•	•					_						_
DEATH	Control	0	0	0	0	1	1	1	1	1	2	2	2	2	2
	200 ppm	0	0	0	0	0	0	2	2	2	3	3	3	3	3
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	800 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MORIBUND SACRIFICE	Control	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	Ō	0	Ö	Ö	Ō	Ö	Ö	Ö	0
UNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	Ö	Ö	0	ő	Õ	Õ	Ö	0	0	0	0	0
	400 ppm	Ô	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ovo ppiii	v	v	U	U		V	U	V	U	U	U	U	U	U
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	Ō	Ö	Ö
VASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	Ö	Ō	Õ	Ö	Ŏ	Ŏ	Õ	Ö	0	0	0	0
	400 ppm	ő	Õ	Ö	Ö	0	Ö	0	0	0	0	0	0	0	0
	800 ppm	ŏ	ő	0	0	Ö	Ŏ	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	ñ	0	0	0	0	0	0	0	0	0	0	0	-	
	800 ppm	0	0	0	0	0	0			-	-		•	0	0
	OUV PHII	v	V	U	v	U	U	0	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	Ü	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

ANIMAL : MOUSE Crj:BDF1

STUDY NO.: 0297

REPORT TYPE : A1 104

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W	eek-day											
		70-7	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	2	2	2	3	3	4	4	4	4	4	4	4	6	6
	200 ppm	3	3	4	4	4	4	4	5	5	6	6	6	7	7
	400 ppm	1	1	1	1	1	1	2	2	3	3	3	3	3	4
	800 ppm	1	1	1	1	1	1	2	2	3	4	4	4	4	5
ORIBUND SACRIFICE	Control	2	2	2	2	2	2	2	2	2	2	2	3	3	3
	200 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	400 ppm	0	0	0	0	0	0	0	0	1	1	1	1	2	2
	mqq 008	. 0	0	0	0	0	0	0	0	1	1	1	1	1	1
OCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	. 0	0	0	0	1	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	0
ASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		_	_		_	_									

0

0

1

0

0

0

0

0

PILOERECTION

Control

200 ppm

400 ppm

800 ppm

0

0

0

0

0

0

1

0

1

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W	łeek-day _											
		84-7	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
**************************************		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	7	7	7	8	8	8	8 .	8	9	9	9	9	9	9
	200 ppm	8	9	9	9	9	9	10	10	10	10	10	10	10	11
	400 ppm	6	7	8	8	8	8	8	9	10	12	13	14	14	16
	800 ppm	5	6	8	8	8	9	10	10	10	10	10	11	11	12
MORIBUND SACRIFICE	Control.	3	3	3	3	3	3	3	3	3	3	5	5	6	6
	200 ppm	1	1	1	1	1	1	1	2	2	3	3	3	3	3
	400 ppm	2	2	3	4	5	5	5	5	5	5	5	5	5	5
	mqq 008	2	2	2	2	2	2	2	3	3	4	4	4	4	4
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	1	0	1	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	Ô	0	1	Ŏ	Ô	ő	0
	400 ppm	0	1	0	Ö	0	Ŏ	0	Ö	0	Ô	Ŏ	0	0	0
	800 ppm	0	ō	0	0 -	Ŏ	Ö	ő	Ö	ő	ő	Ö	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	Ō	0	Ö	Ö	Ö	Õ	0	0	0	0	0
	400 ppm	0	Ō	Ö	0	Ŏ	Ŏ	Ŏ	Ö	0	ő	0	0	0	0
	800 ppm	0	0	0	0	0	Ö	Ö	Ö	ő	0	0	0	0	0
ILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	ō	0	Ŏ	Ö	ŏ	0	1	0	0	0	0	0	0
	400 ppm	1	1	Ŏ	Ö	Ŏ	0	0	0	0	Ö	0	0	0	0
	800 ppm	ō	ō	0	0	Ö	0	Ö	0	0	1	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

STUDY NO. : 0297 ANIMAL : MOUSE Crj:BDF1 REPORT TYPE : A1 104

SEX : FEMALE

Clinical sign	Group Name	Admini	stration	Week-day _					
		98-7	99-7	100-7	101-7	102-7	103-7	104-7	
		1	1	1	1	1	1	1	
DEATH	Control	10	10	11	11	11	11	11	
	200 ppm	12	12	12	12	12	13	14	
	400 ppm	18	20	22	23	23	24	24	
	800 ppm	13	16	16	19	19	19	20	
MORIBUND SACRIFICE	Control	6	7	8	8	8	8	9	
	200 ppm	3	3	3	4	4	4	6	
	400 ppm	5	5	5	5	5	5	5	
	mqq 008	4	4	5	5	6	7	7	
LOCONOTOR MOVEMENT DECR	Control	0	0	1	0	0	0	1	
	200 ppm	0	Ö	ō	Ö	0	Ö	ī	
	400 ppm	0	0	0	Ō	Ŏ	Ö	Ō	
	800 ppm	Ö	Ö	Ö	Ŏ	Ő	Ö	0	
		·	•	·	·	•	·	v	
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	
	200 ppm	0	0	0	0	0	0	0	
	400 ppm	0	0	0	0	0	0	0	
	800 ppm	0	0	0	0	0	0	0	
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	
mandillo anti	200 ppm	0	0	0	0	0	0	0	
	400 ppm	0	0	0	0	0	0	0	
	800 ppm	Ö	0	0	0	0	0	0	
		•	·	Ţ	•	ŭ	v	v	
WASTING	Control	0	0	0	0	0	0	0	
	200 ppm	0	0	0	0	0	0	0	
	400 ppm	0	0	0	0	0	0	0	
	Mqq 008	0	0	0	0	0	0	0	
SOILED	Control	0	0	0	0	۸	Λ	1	
DOILL	200 ppm	0	0	0	0	0	0	1	
	400 ppm	0	0	0	0	0	0	0	
	400 ppm 800 ppm	0	0	0	0	0	0 0	0	
	OUV PHIII	v	U	U	v	U	U	U	
PILOERECTION	Control	0	0	0	0	0	0	1	
	200 ppm	1	1	1	0	0	Ō	0	
	400 ppm	0	0	0	0	0	0	0	
	800 ppm	0	0	1	0	0	0	Ō	

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W	eek-day _											
		1-1	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DOG DEVLY	a	•	•	•		•									
FROG BELLY	Control	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 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
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	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
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	Ö	0	0	0	0	Ö	Ö	0	0	Ŏ	0
	400 ppm	0	0	Ō	Ō	0	Ō	Ö	0	Ö	Ö	Ô	0	Ö	0
	800 ppm	Ö	Ö	ŏ	ŏ	Ö	ŏ	Ö	ŏ	ŏ	Ö	ŏ	Ö	Ö	Ö
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	Ō	0	0	Ö	Ö	0	ŏ	0	0	0	Ö
	400 ppm	Ŏ	Ŏ	Ö	Ŏ	Ö	Ö	Ö	Ö	Ö	0	0	0	Ő	0
	800 ppm	Ö	ő	ő	ő	Ö	Ö	Ö	Ŏ	Ŏ	ő	Ö	0	0	0
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	Ô	0	Õ	Ö	0	Ö	0	0	Ö	0	0	0	0
	400 ppm	0	Ö	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	Ö	ő	ő	0	ő	Ö	0	Ö	Ö	0	ő	0	Ö	0
M.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	Ö	Ö	0	0	Ö	0	0	0	0	0	0	0	0 -	0
	400 ppm	0	Ö	0	0	0	0	Ö	0	0	0	0	0	0	0
	mqq 008	Ŏ	ő	. 0	Ö	ő	Ö	Ö	0	0	ŏ	Ö	0	o o	0
M.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	Ö	Ô	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	Ö	ő	0	0	0	Ö	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OVO PPIII	v	v	V	v	v	V	v	v	v	U	v	v	U	U

CLINICAL OBSERVATION (SUMMARY)

ANIMAL : MOUSE C-j:BDF1
REPORT TYPE : A1 104

ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Admini	stration (leek-day											
	•	14-7	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 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
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 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
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	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
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	Ō	0	0	0	Ö	Ö
	400 ppm	0	0	0	0	0	0	0	0	Ö	Ö	Ö	Ŏ	ŏ	ŏ
	800 ppm	0	0	0	0	0	0	Ö	0	Ö	Ö	. 0	Ö	Ö	Ö
1.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	Ō	0	ō
	400 ppm	0	0	0	0	0	0	0	0	0	Ö	0	0	0	ŏ
	900 ppm	0	0	0	0	0	0	0	0	0	0	Ō	Ö	0	Ö
.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	Ö	Ö	Ŏ	ő
	400 ppm	0	0	0	0	0	0	0	0	0	Ö	Ö	Ŏ	Ö	ő
	800 ppm	0	0	0	0	0	0	ō	Ö	Ö	Ŏ	Ŏ	0	ŏ	0

CLINICAL OBSERVATION (SUMMARY)

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1 104

ALL ANIMALS

SEX : FEMALE

linical sign	Group Name		stration W												
		28-7	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
		1	1	1	1	1		1	1	1	1	1	1	1	1
ROG BELLY	Control	0	0	0	٥	٥	٥	۸	٨	0	٥	^	•	•	•
NOO DELLI	200 ppm	-	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	-	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ō
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	Ō	Ō	ō
	800 ppm	0	0	0	0	0	0	0	0	Ō	0	0	0	Ö	0
YE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	Ô	0	Ö	Ö	Ö	0	0	Ŏ	Ö	0	0	0	0
	400 ppm	Ö	Ö	0	Ö	ŏ	0	Ŏ	0	0	0	0	0	0	0
	mqq 008	Ō	Ö	Ŏ	Ö	Ö	Ö	0	Ö	Ö	ő	0	0	0	0
XTERNAL MASS	Control	0	0	0	0 -	0	0	0	0	0	0	0	0	0	1
	200 ppm	0	Ö	Ö	ő	0	0	0	Ö	0	0	0	0	0	0
	400 ppm	0	Ö	Ö	Ö	0	0	0	Ö	Ö	0	0	0	0	0
	800 ppm	Ö	Ö	Ö	Ö	Ö	0	0	0	0	Ö	0	0	0	0
NTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	۸
	200 ppm	Õ	Ô	0	0	0	0	0	0	0	0	0	.0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	-	
	800 ppm	0	Ŏ	0	0	Ö	0	0	0	0	0	0	0	0	0
.NOSE	Control	0	0	0	0	0	0	0	0	0	0	٥	0	٥	,
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	400 ppm	0	0	0	0	0	0	0	0	0	-	=	•	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0
.EYE	Control	0	0	0	0	0	^	0		•	-	-	•		
• LiL	Control 200 ppm	υ ^	0	0	0 .	0	0	0	0	0	0	0	0	0	0
		U A	•	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE													V41_444		PAGE : 4
Clinical sign	Group Name		stration (
		42-7 1	43-7 1	44-7 1	45 -7 1	46-7 1	47 - 7	48-7 1	49 - 7 1	50 -7 1	51 -7 1	52 -7 1	53-7 1	54 - 7 1	55-7 1
															
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	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
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	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
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	Ō	Ō	0	0	Ŏ	0	Ö	Ö
	400 ppm	0	0	0	0	0	0	Ö	Ŏ	Ö	Ŏ	Ŏ	0	0	Ö
	800 ppm	0	0	Ō	0	0	Õ	Ö	0	0	Ö	Ö	Ö	ő	Ö
EXTERNAL MASS	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	200 ppm	ō	0	ō	ō	ō	Ô	ō	ō	Ô	0	Ô	0	0	0
	400 ppm	0	Ō	0	Ŏ	Ö	0	0	Ö	0	0	0	0	0	0
	800 ppm	0	0	ő	Ö	ő	ő	Ö	0	0	0	ő	0	0	0
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	Ŏ	0	0	ŏ	0	Ö	ő	Ŏ	Ö	0	0	0	0
	400 ppm	Ö	Ŏ	0	Ő	ŏ	0	0	0	0	0	0	0	0	
	mqq 008	Ö	Ö	ŏ	ő	ő	0	Ö	0	0	0	0	0	0	0
M.NOSE	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	200 ppm	Ô	0	0	0	0	0	0	0	0	0	1 0	1 0	1	1
	400 ppm	0	ő	0	0	0	0	0	0	0	0		0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0
N.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	ŏ	0	0	0	0	0	0	0	0	0	0	0	=	•
	400 ppm	n	0	0	0	0	0	0	0	•	-	•	-	0	0
	800 ppm	0	0	0	0	0	0	0	-	0	0	0	0	0	0
	OU PAII	v	v	U	U	U	U	U	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1 104

SEX : FEMALE

Clinical sign	Group Name		istration W												
		56-7	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ROG BELLY	Control	0	0	1	1	٥	0	۸	٥	^	^	0	^	1	
NOG BELLI	200 ppm	0		1	1	0	0	0	0	0	0	0	0	1	1
			1	1	1	1	1	0	0	1	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	Ö	0	Ö	Ŏ	Ŏ	i	1
	400 ppm	0	0	0	0	0	0	0	0	Ō	Ō	Ō	ō	ō	ō
	mqq 008	0	0	0	Ō	0	Ö	Ŏ	0	Ö	0	ŏ	0	Ö	ŏ
YE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	^
22 01 10111	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	-	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ov pan	v	V	v	v	v	U	U	U	U	U	U	U	U	U
EXTERNAL MASS	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	1	1	1	1	2	2	2	2
NTERNAL MASS	Control	0	0	1	1	1	1	1	1	1	1	1	1	1	1
	200 ppm	Ö	Ŏ	Ô	0	Ô	0	0	Ô	Ô	1	1	1	1	2
	400 ppm	0	1	1	1	i	1	1	1	1	2	2	2	2	2
	800 ppm	ő	o	ō	0	ō	Ō	0	0	0	1	3	3	4	4
NOSE	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	200 ppm	ō	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	
	800 ppm	Ŏ	Ö	0	Ö	0	0	0	0	0	0	0	0	0	0 0
.EYE	Control	0	0	0	۸	۸	۸	٥	٥	٥	0	٥	0	0	
فللاوا	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm 400 ppm	0	0		-	0	0	0	0	0	0	0	0	0	0
	400 ppm 800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	avv ppm	U	U	U	U	U	U	1	1	1	1	1	1	1	1

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

ANIMAL : MOUSE C-j:BDF1
REPORT TYPE : A1 104

: MOUSE CFJ:BDF1 ALI

SEX : FEMALE

															I Hub 4
Clinical sign	Group Name	Admini	stration (√eek-day						·					-
		70-7	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
FROG BELLY	Control	1	1	1	0	0	0	0	0	0	1	1	2	0	0
	200 ppm	0	0	0	1	1	1	3	2	3	2	1	1	1	1
	400 ppm	0	0	0	1	1	1	1	1	0	0	0	2	2	2
	Mqq 008	0	0	0	0	0	0	0	0	0	1	1	1	2	2
SOILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 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	Ö
	200 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	1
EYE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	200 ppm	0	0	0	0	0	0	0	0	0	ō	ō	ō	ō	Õ
	400 ppm	0	0	0	0	0	0	1	i	1	1	i	1	i	Ö
	800 ppm	2	2	2	2	2	2	2	2	1	1	1	1	1	1
INTERNAL MASS	Control	1	1	1	1	1	0	0	0	0	0	0	2	2	2
	200 ppm	4	5	4	4	4	4	4	3	3	3	5	5	4	5
	400 ppm	1	1	1	1	1	3	3	4	4	4	12	12	16	17
	mqq 008	4	5	6	7	8	12	11	12	12	11	17	18	19	23
M.NOSE	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	200 ppm	0	0	0	ō	ō	ō	0	0	Ô	ō	Ô	0	Ô	0
	400 ppm	0	0	0	0	0	0	0	Ö	ŏ	Ö	ő	Ö	0	Ö
	mqq 008	0	0	0	0	0	Ö	Ö	Ö	Ö	Ö	Ö	ő	ő	0
N.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	Ö	Ö	Ŏ		0	-	0
	400 ppm	0	0	0	0	0	0	Ö	Ö	Õ	Ö		0	-	0
	800 ppm	1	1	1	1	1	i	1	1	ŏ	-	ő	•		Ö
	200 ppm 400 ppm	0	0	0	0 0	0	0	0 0	0	0	0	0	Ō	0 0 0	

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

STUDY NO.: 0297 ANIMAL : MOUSE Cr-j:BDF1
REPORT TYPE : A1 104

SEX : FEMALE

FROG BELLY SOILED PERI GENITALIA EXOPHTHALMOS EYE OPACITY	Control 200 ppm 400 ppm 800 ppm Control 200 ppm 400 ppm 800 ppm	84-7 1 0 0 0 0 2 2	stration W 85-7 1 0 0 0 2	1 1 0 0 1	87-7 1 0 0 0	88-7 1 0 0	89 - 7 1	90-7	91-7	92–7 1	93 -7 1	94-7	95-7 1	96-7 1	97 - 7
SOILED PERI GENITALIA EXOPHTHALMOS	200 ppm 400 ppm 800 ppm Control 200 ppm 400 ppm	0 0 0 2 2	0 0 0 2	1 0 0	0 0 0	0	0				1	1	1	1	
COILED PERI GENITALIA EXOPHTHALMOS	200 ppm 400 ppm 800 ppm Control 200 ppm 400 ppm	0 0 2 0 0	0 0 2	0	0 0	0		0	•						
DILED PERI GENITALIA XOPHTHALMOS	200 ppm 400 ppm 800 ppm Control 200 ppm 400 ppm	0 0 2 0 0	0 0 2	0	0 0	0		0			-	_	_	_	
XOPHTHALMOS	400 ppm 800 ppm Control 200 ppm 400 ppm	0 2 0 0	0 2	0	0				0	0	0	0	0	0	0
EXOPHTHALMOS	800 ppm Control 200 ppm 400 ppm	0 0	2				0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control 200 ppm 400 ppm	0		1	- 1	0	1	1	1	0	0	0	0	0	0
EXOPHTHALMOS	200 ppm 400 ppm	Ō	0		1	1	1	1	1	1	2	1	1	1	1
	400 ppm	•		0	0	0	0	0	0	0	1	0	0	0	0
		^	0	0	0	0	0	0	0	0	1	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	1	1	1
EYE OPACITY	200 ppm	1	1	1	1	1	1	1	1	i	1	i	î	ī	î
EYE OPACITY	400 ppm	0	0	0	0	0	0	Ō	ō	ō	ō	ō	Ō	ō	Ō
YE OPACITY	800 ppm	1	1	1	1	1	1	1	1	1	1	1	1	2	2
	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	Õ	ŏ	ŏ	Ö	Ö	0	Ô	Ö	0	0	0	0	0	0
	400 ppm	Ö	Ö	Ő	0	0	0	0	0	0	0		-		
	800 ppm	Ŏ	ő	Ö	0	0	0	0	0	0	0	0	0	0	0
XTERNAL MASS	Control	1	1	•		•			4		_				
MIEMME MASS		-	-	1	1	1	1	1	1	1	1	1	2	2	2
	200 ppm	0	0	0	0	1	1	1	1	1	1 .	. 1	1	1	1
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	1	1	0	0	0	0	0	0	0	0	0	0	0	0
NTERNAL MASS	Control	2	2	2	1	2	2	2	3	3	4	3	3	3	3
	200 ppm	6	5	5	5	10	10	11	19	18	19	19	22	22	21
	400 ppm	18	18	18	21	19	27	28	29	34	32	31	30	30	29
	mqq 008	24	23	22	24	25	27	27	26	27	27	27	27	27	32
NOSE	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	200 ppm	0	0	0	0	0	ō	0	0	Õ	ō	ō	Ô	Ô	0
	400 ppm	0	0	0	0	Ŏ	Ō	Ŏ	0	Ö	Õ	0	0	Ö	Ö
	800 ppm	Ö	Ö	ő	Ö	Ö	Ö	0	Ö	0	0	Ö	0	0	0
.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	Ö	Ö	0	Ö	Ŏ	0	0	0	0	0	0	0	0
	400 ppm	ő	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

STUDY NO.: 0297
ANIMAL: MOUSE Crj:BDF1
REPORT TYPE: A1 104

SEX : FEMALE

Clinical sign	Group Name	Admini	stration	Week-day					
	•	98-7	99-7	100-7	101-7	102-7	103-7	104-7	
		1	1	1	1	1	1	1	
EDAG DELLI	g	•	•						
FROG BELLY	Control	0	0	0	0	0	0	0	
	200 ppm	0	0	0	0	0	0	0	
	400 ppm	0	0	0	0	0	0	0	
	800 ppm	1	0	0	0	0	0	0	
SOILED PERI GENITALIA	Control	0	0	0	0	0	0	1	
	200 ppm	0	0	0	0	0	0	0	
	400 ppm	0	0	0	0	0	0	0	
	800 ppm	0	0	0	0	0	0	0	
EXOPHTHALMOS	Control	1	1	1	1	1	1	1	
	200 ppm	1	1	1	1	1	1	1	
	400 ppm	ō	Ō	ō	ō	ō	ō	Ō	
	800 ppm	2	2	2	1	Ö	Ö	Ö	
					•	v	v	V	
EYE OPACITY	Control	1	1	1	1	1	1	1	
	200 ppm	0	0	0	0	0	0	0	
	400 ppm	0	0	0	0	0	0	0	
	mqq 008	0	0	0	0	0	0	0	
EXTERNAL MASS	Contral	2	1	1	0	0	0	0	
	200 ppm	2	2	2	2	2	2	5	
	400 ppm	1	1	1	1	1	1	1	
	800 ppm	0	Ō	0	0	Õ	ō	ō	
INTERNAL MASS	Control	7	6	6	6	6	6	6	
	200 ppm	22	22	22	23	26	25	25	
	400 ppm	27	25	23	22	22	21	21	
	800 ppm	31	28	28	25	24	23	21	
	OVV PAII	3I	20	20	20	44	23	22	
M.NOSE	Control	1	1	1	0	0	0	0	
	200 ppm	0	0	1	1	1	1	1	
	400 ppm	0	0	0	0	0	0	0	
	mqq 008	0	0	0	0	0	0	0	
M.EYE	Control	0	0	0	0	0	0	0	
	200 ppm	Ŏ	Ö	ŏ	ő	Ö	Ö	Ö	
	400 ppm	Ö	Ö	Ö	ő	ŏ	0	Ö	
	800 ppm	0	0	0	Ŏ	Ö	0	0	
	COO PPIII	·	v	v	v	v	v	v	

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Admini:	stration W	eek-day											
		1-1	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
.NECK	Control	0	0	0	0	٥	0	^	0	^	•	٥		٥	
. NEOR	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0		0	0	0	0	0	0	0	0	0	0
	400 ppm mag 008	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0
	ooo ppiii	v	U	U	V	V	U	U	U	V	U	U	U	0	0
.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	Ô	0	0	0	0
	400 ppm	Ō	0	Ö	0	Ö	Ŏ	Ö	ŏ	Ö	ő	Ö	0	Ö	Ö
	mqq 008	0	0	Ō	Ō	0	Ŏ	Ö	Ö	Ö	ŏ	0	0.	0	0
		_													
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	^
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	-	•	0
	400 ppm	0	0	0	0	0	0	0	-		-	•	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ovo ppili	v	v	V	V	U	U	U	V	0	0	0	0	0	0
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	Ö	0	Ö	0	Ö	Ö	Ö	ŏ
	400 ppm	0	0	0	0	0	0	0	Ō	0	Ŏ	Ö	Ö	0	ő
	mqq 008	0	0	0	Ö	Ö	ŏ	Ö	Ö	0	Ő	0	0	0	0
(CENITALIA	0	•	•			_	_		_						
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	. 0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	Ō	Ö	Ŏ	Ö	Ö	Ô	0	Ö	0	0	0	0	0	0
	400 ppm	0	Ö	Ö	Ö	Ŏ	Ö	0	Ö	Ö	0	0	0	0	0
	800 ppm	Ô	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 Phili	·	·	•	J	v	v	V	v	v	U	v	U	U	v
EROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	Ō	Õ	Ö

STUDY NO.: 0297 ANIMAL: MOUSE Crj:BDF1 CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

REPORT TYPE : A1 104

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W	eek-day											
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	277
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
I.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	٥
1. HEOR	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0		0			0		0
	900 ppili mag 008	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0
.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	Ö	Ō	Ŏ	Ō	Ö	Ö	0	ŏ	Ö	0	0	Ő
	400 ppm	Ö	Ö	Ö	Ö	Ö	0	0	Ö	0	0	0	0	0	0
	800 ppm	ŏ	ŏ	ŏ	ő	ő	ő	ő	0	Ö	Ö	0	0	0	0
1.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	Ō	Ö	Ö	Ö	Ö	ŏ	Ö	Ŏ	ŏ	Ö	Ö	0	ő	0
	400 ppm	0	0	0	Ö	0	Ö	Ŏ	ŏ	Ŏ	Ŏ	Ŏ	0	Õ	0
	mqq 008	0	ō	Ö	Ö	0	Ö	Ö	ŏ	Ö	ő	0	Ö	0	0
1. ABDONEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	Ō	Ō	0	0	Ö	Ŏ	Ô	0	Ö
	400 ppm	0	0	Ō	Ō	Ō	Ŏ	ŏ	Ö	Ö	ő	Ö	0	Ô	0
	mqq 008	0	0	0	Ö	Ö	Ŏ	Ö	ő	Ö	ő	Ö	Ö	.0	0
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	Ō	Ō	o o	Ŏ	Ŏ	Ö	0	Ö	ő
	400 ppm	0	0	0	0	0	0	Ō	0	Ö	Ŏ	Ŏ	Ô	0	ő
	800 ppm	0	0	0	Ō	0	Ö	Ö	Ö	Ö	Ö	Ö	Ö	Ö	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	Ö	Ö	Ō	Ö	Ŏ	Ŏ	0	ő	Ö	0	0	0	0
	400 ppm	Ŏ	Ö	Ö	ŏ	ő	Ö	0	Ö	0	0	0	0	0	0
	800 ppm	Ö	ő	ő	Ö	ŏ	ŏ	Ö	ŏ	Ö	Ö	ŏ	Ö	Ö	0
I. ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	Ō	0	0	Ŏ	Ö	Ŏ	Ŏ	Ö	ő
	400 ppm	0	0	0	0	0	0	Ō	Ö	Ö	Ŏ	0	Ŏ	Ö	Ö
	800 ppm	0	0	0	0	0	0	Ō	ŏ	0	ŏ	Ŏ	Ŏ	Ö	0
ROSION	Control	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	Ö	Ŏ	Ö
	400 ppm	0	0	0	0	0	0	0	Ô	0	Ö	0	Ŏ	ŏ	ő
	800 ppm	0	0	0	0	0	0	Ô	0	ō	Õ	Ô	Õ	ŏ	Ö

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 104

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W	eek-day _											
		28-7	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	Ō	Ō	0	0	Ö
	400 ppm	0	0	0	0	0	0	0	0	Ō	Ö	Ö	Ō	Ŏ	Ö
	800 ppm	0	0	0	0	0	0	Ö	0	Ö	Ö	ő	Ö	Ö	Ö
ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	Ö	Ö	Ō	Ö	0	Ŏ	Ö	0	0	ŏ
	400 ppm	0	0	Ô	ō	Ŏ	Ŏ	ŏ	0	0	Ö	Ŏ	0	0	Ö
	mqq 008	0	0	Õ	Ö	Ō	Ö	Ŏ	0	ő	ő	ő	ő	ő	0
1.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	Ō	Ö	Ŏ	o o	Ö	Ŏ	Ö
	400 ppm	0	0	0	0	0	0	0	0	0	ŏ	0	Ö	Ö	Ö
	mqq 008	0	0	0	0	Ō	0	0	Ŏ	Ö	ő	Ö	0	Ö	Ö
1.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	Ō	0	0	Ō	0	0	Ŏ	Ö
	400 ppm	0	0	0	0	0	0	Ŏ	Ö	Ö	Ö	0	0	0	0
	800 ppm	0	0	Ō	Ō	Ö	Ö	Ö	ŏ	ő	ŏ	ŏ	Ö	ő	0
I. ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	Õ	Ō	Ö	Ö	0	0	0	Ö	0	0	0
	400 ppm	0	0	0	0	Ŏ	Ö	Ŏ	0	0	Ö	0	0	0	0
	mqq 008	0	Ō	ŏ	Ö	0	Ö	ő	ő	Ö	Ö	Ö	Ö	0	0
EROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	Ö	Ō	0	0	0	Ô	Ö
	400 ppm	0	0	0	Ö	Ō	. 0	Ö	0	ŏ	0	0	0	Ő	0
	800 ppm	0	o o	Ö	Ö	ŏ	0	Ö	0	0	0	Ö	0	0	Ö

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 104

SEX : FEMALE

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

Clinical sign	Group Name	Admini	stration W												
		42-7	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
*****	 	1	1	1	1	1	1	1	1	1	1	1	1	1	1
. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
r. relox	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	Ö	0			0	0	0	-				-
	800 ppm	0	0	Ö	0	0	0	0	0	0	0 0	0	0	0 0	0
.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	Ö	Ŏ	Õ	0
	400 ppm	Ö	Ō	Ö	Ö	0	ŏ	Ö	Ö	Ö	0	Ö	0	0	Ö
	800 ppm	Ö	Ö	ŏ	ŏ	Ö	ő	Ö	ő	Ö	0	ő	ő	0	0
I.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	Ō	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	Ō	Ö	Ō	0
	mqq 008	0	0	0	0	0	0	0	0	0	Ō	0	Ŏ	Õ	ŏ
1. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ō
1. ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	Ō
EROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

STUDY NO.: 0297 ANIMAL: MOUSE Crj:BDF1 REPORT TYPE : A1 104

SEX : FEMALE

															i nati
Clinical sign	Group Name		stration W												
		56-7	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	٥	٥	٥
1. HEOR	200 ppm	ő	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0 .				-		•	-	0	0	0	0
	400 ppm	0	0	0	0 0	0	0	0	0	0	0 0	0	0	0	0
M.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0 .	0	Ô	Ö	Ö	0	0	Õ	Ö	0	0	Ô	Ö
	400 ppm	0	0	0	Ŏ	ő	0	Ő	0	0	Ŏ	0	0	0	0
	800 ppm	Ö	Ö	Õ	Ö	ŏ	Ö	Ö	ő	ŏ	Ö	ő	0 -	0	0
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	Ö	0	0	0	Ö	0	0	Ŏ	Ö
	800 ppm	0	0	0	0	Ō	0	0	Ö	Ö	ō	ő	Ö	Ö	Ö
M. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	Ō	0	Ŏ
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	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
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	. 1	1	1	1
M. ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mqq 008	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
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1 104

ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W	eek-day											
		70-7	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
I.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	1	1	1	1	1	1	1	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö
	Mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	Ō
.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	Ö	Ö	Ö	Ö
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	Ō	Ö	Ö
ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	Ō	Ö	0	0	0	0	0	Ö
	400 ppm	0	0	0	0	Ō	Ô	Ô	Ŏ	Ö	Ŏ	Ŏ	0	Ö	Ö
	800 ppm	0	0	0	0	0	0	Ō	0	0	Ö	Ö	Ö	ő	ŏ
ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	Ö	Ō	Ō
	400 ppm	0	0	0	0	0	0	0	Ō	0	0	Ŏ	0	Ö	0
	mqq 008	0	0	0	0	0	0	0	0	0	Ö	Ŏ	Ö	ŏ	Ö
.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ô	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	Ö	Ö	Ö
	800 ppm	1	1	1	1	1	1	1	1	1	1	1	i	ĺ	1
.ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ō	Ö
	400 ppm	0	0	0	0	0	0	0	0	0	Ö	0	Ö	0	ŏ
	Mqq 008	0	0	0	0	0	0	0	0	0	0	Ō	Ō	Ō	0
ROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	Ö	Ö	Ö	Ö
	400 ppm	0	0	0	0	0	0	Ō	Ō	Õ	Ö	Ŏ	Ö	Ö	ŏ
	800 ppm	0	0	0	0	Ō	Ō	ō	Ŏ	0	o o	0	0	o O	ő

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

STUDY NO. : 0297 ANIMAL : MOUSE C-j:BDF1
REPORT TYPE : A1 104

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W	eek-day											
		847	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0 -	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	Ö	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 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
	200 ppm	0	0	0	0	1	1	1	1	1	1	1	1	1	1
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	1	1	0	0	0	0	0	0	0	0	0	0	0	0
M. ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 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	1	1	1
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ō	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

STUDY NO. : 0297
ANIMAL : MOUSE C-j:BDF1
REPORT TYPE : A1 104

SEX : FEMALE

linical sign	Group Name	Admini	stration	Week-day					
		98-7	99-7	100-7	101-7	102-7	103-7	104-7	
		1	1	1	1	1	1	1	
NECK	Control	0	0	0	0	0	0	0	
	200 ppm	0	0	0	0	0	0	1	
	400 ppm	0	0	0	0	0	0	0	
	800 ppm	0	0	0	0	0	0	0	
FORLIMB	Control	0	0	0	0	0	0	0	
	200 ppm	0	0	0	0	0	0	1	
	400 ppm	0	0	0	0	0	0	0	
	800 ppm	0	0	0	0	0	0	0	
BREAST	Control	0	0	0	0	0	0	0	
	200 ppm	0	0	0	0	0	0	1	
	400 ppm	0	0	0	0	0	0	0	
	Mqq 008	0	0	0	0	0	0	0	
ABDOMEN	Control	0	0	0	0	0	0	0	
	200 ppm	0	0	0	0	0	1	1	
	400 ppm	0	0	0	0	0	Õ	ō	
	mqq 008	0	0	0	0	0	0	Ō	
ANTERIOR.DORSUM	Control	1	1	1	0	0	0	0	
	200 ppm	0	0	0	0	0	0	0	
	400 ppm	0	0	0	0	0	0	0	
	800 ppm	0	0	0	0	0	0	Ö	
GENITALIA	Control	0	0	0	0	0	0	0	
	200 ppm	1	1	1	1	1	1	1	
	400 ppm	1	1	1	Ō	ō	0	0	
	800 ppm	0	Ō	ō	0	Ö	Ö	ŏ	
ANUS	Control	1	0	0	0	0	0	0	
	200 ppm	1	1	. 1	1	1	1	i	
	400 ppm	1	1	1	1	1	1	1	
	800 ppm	ō	ō	ō	Ô	Ô	Ô	Ō	
COSION	Control	1	1	1	1	1	1	1	
	200 ppm	ō	ō	ō	Ô	Ô	ō	0	
	400 ppm	Ö	Õ	Ö	0	Ŏ	ŏ	ŏ	
	800 ppm	Ō	Ö	Ö	Ö	Ö	Ŏ	Ö	

CLINICAL OBSERVATION (SUMMARY)

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1 104

ALL ANIMALS

SEX : FEMALE

PAGE: 57

Clinical sign	Group Name	Admini	stration W	ek-day											
		1-1	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
TORTICOLLIS	Control	0	0	٥	0	0	0	٥	٥	٥	^		0	•	0
TONTTOOLLIG	200 ppm	0	0	0	0	0	0	0	0	U	0	0	0	0	U
	400 ppm	0	0	0			-	-	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	U	U	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
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	٥
	200 ppm	0	0	Ô	0	0	Ö	Ö	Ö	Õ	Ö	ñ	0	Ô	٥
	400 ppm	0	0	0	Ō	Ō	Ö	Ö	Ö	Ô	Õ	Ô	0	0	۸
	mqq 008	0	0	ō	0	Ŏ	Ö	ŏ	Ö	Ö	Ö	0	Ö	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	٥
	200 ppm	0	0	0	ŏ	Ŏ	Ö	Ö	0	0	Ö	0	0	0	0
	400 ppm	0	0	0	Ŏ	0	0	ő	0	0	0	0	٥.	0	0
	800 ppm	ŏ	0	n	Ŏ	0	0	0	0	0	0	0	0	U A	0
	coo ppii	v	U	v	v	v	v	U	U	v	U	U	U	0	V

(HAN190)

CLINICAL OBSERVATION (SUMMARY)

STUDY NO. : 0297 ANIMAL : MOUSE Crj:BDF1 REPORT TYPE : A1 104

ALL ANIMALS

SEX : FEMALE

PAGE: 58

Clinical sign	Group Name	Admini	stration W	eek-day											
		14-7	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
	· · · · · · · · · · · · · · · · · · ·	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TORTICOLLIS	Control	0	0	0	0	0	0	0	٥	0	٥	0	0	٥	^
101111001110	200 ppm	0	0	n	0	0	0	0	٥	0	٨	0	0	0	U
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	ŏ	Ö	Ô	Õ	Ŏ	0	0	0	0	0	0	n	0	0
	,,				•	·	•	•	·	•	Ů,	V	V	V	v
IRREGULAR BREATHING	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	Õ	Õ	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	Ö	Ö	0	0
	Mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	Ö	0	Ō	Ö	Ö	0	Ô
	400 ppm	0	0	0	0	0	0	0	0	0	0	Ō	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	Ö	0	Ö	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	Ö	Ŏ	Õ	Ô	n
	400 ppm	0	0	0	0	0	0	Ō	Ō	Ö	Õ	Õ	Õ	Õ	0
	800 ppm	0	0	0	0	0	0	Ō	Ö	Ö	Ö	0	ő	0	0

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CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 104

SEX : FEMALE

PAGE: 59

Clinical sign	Group Name	Admini	istration V	leek-day _											
		28-7	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
**		1	1	1	1	1	1	1	1	1	1	1	1	1	1
TODAY COLL VA															
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	Ō	ō	Ö	Ô	Ô	Ô	0
	800 ppm	0	0	0	0	0	0	0	0	0	Ö	Ö	Ö	Ö	0
BNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	Ô	Ö	n	Ô	Ô	٥
	400 ppm	0	0	0	0	0	0	0	0	0	Ô	Ô	Õ	Õ	۸
	800 ppm	0	0	0	0	0	0	Ō	Ö	Ö	Ö	Ö	Ö	Ö	Ô
UBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	Ö	0	Ô	Õ	Õ	Ô	0
	400 ppm	0	0	0	0	Ö	Ö	Ö	Ö	Õ	Ö	Ô	0	n	٥
	800 ppm	0	Ô	ō	Õ	Ŏ	Ö	Ö	Ö	ő	0	0	0	0	0

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CLINICAL OBSERVATION (SUMMARY)

ANIMAL : MOUSE Crj:BDF1

ALL ANIMALS REPORT TYPE : A1 104

SEX : FEMALE

PAGE: 60

Clinical sign	Group Name	Admini	stration W	eek-day											
		42-7	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
TORTICOLLIS	Control	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	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
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	. 0	0	0	0	0	0	0	0	Ó	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	Ō	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	Ō	Ö	ō	Ö	0	Õ	0	0

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CLINICAL OBSERVATION (SUMMARY)

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1 104

ALL ANIMALS

SEX : FEMALE

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Clinical sign	Group Name	Admini	stration W	eek-day _											
		56-7	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
TORTICOLLIS	Control	٥	0	0	٥	0	٥	٥	٥	٨	٥	٥	٥	٥	0
IONITCOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	-	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	U	0	0	0	0	0	0	0	0	0	0	0	0
	Mqq 008	Ü	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
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

ANIMAL : MOUSE C-j:BDF1
REPORT TYPE : A1 104

SEX : FEMALE

PAGE: 62

Clinical sign	Group Name	Admini	stration W	eek-day										•	
		70-7	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
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	1	1	1	1	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	0
ABNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	1	1	1	1	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	0	0	0	0	0	0	0	0	1	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	1	0	Ô	0	0	0
	800 ppm	0	0	Ô	0	0	Ö	0	Ö	1	0	0	0	0	ő

(HAN190)

CLINICAL OBSERVATION (SUMMARY)

STUDY NO. : 0297 ANIMAL : MOUSE C-j:BDF1 REPORT TYPE : A1 104

ALL ANIMALS

SEX : FEMALE

PAGE: 63

Clinical sign	Group Name	Admini	stration W	leek-day _											
		84-7	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-
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 008	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
	200 ppm	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mag 008	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	1	0	0	0
	200 ppm	0	0	0	0	0	0	0	1	0	1	0	0	0	0
	400 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

ANIMAL : MOUSE C-j:BDF1
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : FEMALE

PAGE: 64

Clinical sign	Group Name	Admin	istration	Week-day				
		98-7	99-7	100-7	101-7	102-7	103-7	104-7
		1	1	1	1	1	1	1
TORTICOLLIS	Control	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	Ō	0
	400 ppm	0	0	0	0	0	0	Ō
	mqq 008	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	1	0	0	0	1
	200 ppm	0	0	0	0	0	0	1
	400 ppm	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0
ABNORMAL RESPIRATION	Control	0	0	1	0	0	0	1
	200 ppm	0	0	0	0	0	0	1
	400 ppm	0	0	0	0	0	0	0
	800 ppm	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0
	200 ppm	0	0	0	0	0	0	1
	400 ppm	0	0	0	0	0	Ō	ō
	800 ppm	0	0	Ö	Ō	Ō	Ö	ŏ

(HAN190)

APPENDIX B 1

BODY WEIGHT CHANGES: SUMMARY, MOUSE: MALE

(2-YEAR STUDY)

ANIMAL : MOUSE Crj:BDF1

UNIT : g

REPORT TYPE : A1 104 SEX : MALE

BODY WEIGHT CHANGES

(SUMMARY)

ALL ANIMALS

Group Name	Administrati	on week-day					
	0-0	1-1	1-7	2-7	3-7	4-7	5–7
Control	22.6± 0.7	22.6± 0.8	24.0± 0.8	24.9± 1.0	25.5± 1.1	26.1± 1.2	26.7± 1.3
mqq 000	22.6± 0.7	22.3± 0.7	23.6± 0.8	24.6± 0.9	25.1± 1.0	25.8± 1.1	26.3± 1.3
100 ppm	22.6± 0.7	22.4± 0.9	24.1± 0.9	25.1± 0.9	25.9± 1.1	26.4± 1.1	26.8± 1.1
800 ppm	22.6± 0.7	22.4± 0.9	23.3± 0.8**	23.9± 0.8**	24.2± 1.1**	24.5± 1.3**	24.7± 1.5**
	····						
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			
(HAN260)							

ANIMAL : MOUSE Crj:BDF1

UNIT : g

REPORT TYPE : A1 104

BODY WEIGHT CHANGES (SUMMARY) ALL ANIMALS

SEX: MALE

7-7 27.6± 1.5 27.1± 1.3	8-7 28.6± 1.8 28.0± 1.4	9-7 29.4± 1.8	10-7 29.9± 1.9	11-7 30.4± 2.0	12-7 31.1± 2.2
			29.9± 1.9	30.4± 2.0	31.1± 2.2
27.1± 1.3	28.0± 1.4				
		28.6± 1.6*	29.2± 1.7	29.6± 1.7*	30.1± 1.8
27.3± 1.1	28.2± 1.4	28.5± 1.4*	29.0± 1.5*	29.1± 1.6**	29.1± 1.5**
24.2± 1.5**	25.9± 1.3**	25.7± 1.5**	26.5± 1.4**	26.6± 1.4**	26.5± 1.3**

PAGE: 2

(HAN260) BAIS 3

ANIMAL : MOUSE Crj:BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

Group Name	Administration	week-day					
	13-7	14-7	18-7	22-7	26-7	30-7	34-7
Control	31.4± 2.3	32.0± 2.4	34.8± 2.7	36.7± 2.9	38.4± 3.2	40.0± 3.9	42.3± 4.1
200 ppm	30.7± 2.2	31.2± 2.3	34.1± 2.7	36.2± 3.0	37.9± 3.4	39.5± 3.7	41.4± 3.8
400 ppm	29.9± 1.7*	30.2± 1.8**	31.8± 2.0**	33.5± 2.7**	34.2± 3.0**	35.5± 3.4**	36.9± 3.5**
mqq 008	27.7± 1.4**	27.9± 1.2**	29.1± 1.4**	30.3± 1.4**	30.8± 1.6**	32.2± 1.6**	32.9± 1.7**
Significant differe	ence; *: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			
(HAN260)							

ANIMAL : MOUSE Crj:BDF1
UNIT : g

REPORT TYPE : A1 104 SEX : MALE

BODY WEIGHT CHANGES
- ALL ANIMALS

(SUMMARY)

Group Name	Administration	week-day		· · · · · · · · · · · · · · · · · · ·			
	38-7	42-7	46-7	50-7	54-7	58-7	62-7
Control	43.4± 4.4	45.1± 4.4	45.9± 4.4	46.2± 4.5	46.6± 4.9	47.6± 5.1	48.2± 4.3
200 ppm	42.5± 3.9	42.9± 4.1	43.8± 4.1	44.3± 4.3	44.5± 4.5	45.2± 4.6	45.2± 4.9
400 ppm	37.8± 3.8**	38.6± 3.6**	39.0± 3.9**	39.2± 4.0**	39.2± 4.0**	39.8± 4.1**	39.6± 4.1**
800 ppm	33.7± 1.8**	34.1± 1.9**	34.5± 2.1**	35.0± 2.3**	35.1± 2.3**	35.9± 2.5**	36.0± 2.7**
Significant differe	ence; *:P≦0.05	**: P ≤ 0.01		Test of Dunnett			
(HAN260)							

ANIMAL : MOUSE Crj:BDF1

UNIT : g

REPORT TYPE : A1 104

SEX : MALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

Group Name	Administration	week-day					· · · · · · · · · · · · · · · · · · ·
	66-7	70-7	74-7	78-7	82-7	86-7	90-7
ontrol	49.0± 4.6	50.0± 4.4	50.2± 5.5	50.9± 6.0	51.6± 5.5	51.9± 5.7	52.1± 5.9
00 ppm	45.8± 5.4	46.9± 5.8	47.9± 5.1	48.6± 5.2	48.2± 5.3	48.0± 5.8	47.9± 5.2
.00 ppm	40.6± 4.3**	41.1± 4.1**	41.0± 4.2**	41.4± 4.4**	40.6± 4.4**	40.5± 4.3**	40.4± 4.2**
mpq 008	36.5± 2.9**	36.6± 2.9**	36.2± 2.8**	36.0± 2.5**	35.2± 2.7**	34.6± 2.6**	34.7± 2.9**
					·····		
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			
(HAN260)							

ANIMAL : MOUSE Crj:BDF1

UNIT : g

REPORT TYPE: A1 104

SEX : MALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

PAGE: 6

Group Name	Administration	week-day			 7,017.0
	94-7	98-7	102-7	104-7	
Control	52.4± 6.5	51.7± 6.3	50.4± 7.4	49.2± 7.6	
200 ppm	46.6± 4.7*	45.2± 4.1*	43.5± 3.7	42.6± 3.8	
400 ppm	39.9± 3.7**	39.4± 4.9**	38.5± 3.5**	38.2± 3.3**	
100 pp	00.01 0.7**	00.4T 4.0m	00.01 0.0**	00.ZI 3.3**	
800 ppm	34.2± 2.7**	34.6± 3.2**	34.2± 2.4**	34.5± 2.7**	
Significant differe	nnce; *:P≦0.05 *	* : P ≤ 0.01		Track will Downstate	
	7 NO	*· r ≥ 0.01		Test of Dunnett	
(HAN260)					

APPENDIX B 2

BODY WEIGHT CHANGES: SUMMARY, MOUSE: FEMALE

(2-YEAR STUDY)

ANIMAL : MOUSE Crj:BDF1
UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY) ALL ANIMALS

Group Name	Administrati	an week-day		·			
	0-0	1-1	1-7	2-7	3-7	4-7	5-7
Control	18.8± 0.7	18.2± 0.9	19.4± 0.9	20.3± 0.9	20.9± 0.8	21.6± 0.8	22.2± 0.9
200 ppm	18.8± 0.7	18.1± 0.7	19.2± 0.7	20.3± 0.8	20.8± 0.8	21.6± 0.9	21.7± 0.8*
400 ppm	18.8± 0.7	18.2± 0.6	19.6± 0.7	20.5± 0.8	21.8± 0.8**	22.3± 1.0**	22.7± 1.0*
800 ppm	18.8± 0.7	18.1± 0.8	19.1± 0.7	19.9± 0.8*	20.5± 0.8*	21.0± 0.9**	21.2± 0.9**
Significant difference;	*: P ≤ 0.05	**: P ≦ 0.01		Test of Dunnett			
(HAN260)							

STUDY NO.: 0297 ANIMAL: MOUSE Crj:BDF1

UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

PAGE: 8

Group Name	Administration	week-day					
	6–7	7-7	8-7	9–7	10-7	11-7	12-7
Control	22.8± 0.9	22.8± 1.0	23.6± 1.0	24.1± 1.1	24.3± 1.4	24.3± 1.2	24.7± 1.5
200 ppm	22.6± 0.8	22.9± 0.9	23.3± 0.9	24.0± 0.9	23.9± 1.1	24.1± 0.9	24.3± 1.1
400 ppm	23.0± 0.9	23.0± 1.0	24.1± 1.2*	24.4± 0.9	24.8± 1.1	24.8± 1.1	25.3± 1.2
800 ppm	21.6± 1.2**	21.3± 1.0**	23.1± 1.1*	23.2± 1.5**	23.7± 1.1*	23.7± 1.2*	23.3± 1.2**
0: 10: 11:55						VI	
Significant difference	; *: P ≦ 0.05	**: P ≦ 0.01		Test of Dunnett			,

BAIS 3 (HAN260)

ANIMAL : MOUSE Crj:BDF1
UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

Group Name	Administration	week-day					
	13-7	14-7	18-7	22-7	26-7	30-7	34-7
Control	24.7± 1.2	25.0± 1.4	26.5± 1.5	27.8± 1.9	28.6± 2.0	29.4± 2.6	30.2± 2.7
200 ppm	24.6± 1.1	24.7± 1.1	26.2± 1.2	27.2± 1.7	27.7± 1.5*	28.5± 1.6	29.2± 1.9
400 ppm	25.2± 1.2	25.2± 1.5	26.5± 1.2	27.3± 1.5	27.7± 1.6*	28.4± 1.5	28.7± 1.7*
mqq 008	24.1± 1.2*	24.3± 1.2*	25.4± 1.3**	26.3± 1.4**	26.4± 1.4**	27.4± 1.5**	27.9± 1.5**
-					· · · · · · · · · · · · · · · · · · ·	ma apa - tanbap -	
Significant differen	nce; *: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			

(HAN260)

BAIS 3

ANIMAL : MOUSE Crj:BDF1

UNIT : g

REPORT TYPE : A1 104

SEX : FEMALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

Group Name	Administratio	n week-day					
	38-7	42-7	46-7	50-7	54-7	58-7	62-7
Control	30.7± 2.7	31.4± 3.3	31.7± 3.1	31.6± 2.8	31.8± 3.2	32.0± 3.1	32.2± 2.9
200 ppm	29.4± 1.8*	29.7± 2.0*	30.1± 1.6	30.1± 1.8*	30.1± 2.0*	30.4± 2.0	30.5± 1.9*
400 ppm	29.1± 1.6**	29.3± 1.8**	29.8± 1.6*	30.1± 1.8*	30.1± 1.6	30.2± 1.8*	30.6± 1.8*
mqq 008	28.0± 1.5**	28.3± 1.7**	28.6± 1.6**	28.9± 1.7**	28.8± 1.5**	28.9± 1.5**	28.6± 1.5**
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			
(HAN260)							

ANIMAL : MOUSE Crj:BDF1
UNIT : g

REPORT TYPE : A1 104 SEX : FEMALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

PAGE: 11

Group Name	Administration u	ueek-day					
	66-7	70-7	74-7	78-7	82-7	86-7	90-7
Cantrol	33.0± 3.6	33.7± 3.9	34.3± 3.8	34.2± 4.0	34.4± 4.1	34.7± 3.8	34.1± 4.4
.00 ppm	30.8± 2.0**	31.8± 2.0	32.3± 2.6*	32.8± 3.5	32.7± 2.2	32.9± 2.1	32.8± 2.4
100 ppm	31.2± 1.8	31.7± 1.8*	31.8± 2.1*	32.2± 2.4	33.0± 3.6	32.7± 2.1	33.1± 2.3
800 ppm	29.0± 1.7**	29.4± 1.8**	29.2± 2.2**	29.1± 2.7**	28.9± 2.2**	28.3± 2.1**	28.1± 2.4**
Significant differenc	ce; *:P≤0.05 *	*: P ≤ 0.01		Test of Dunnett		•	
(HAN260)					*		

(HAN260)

ANIMAL : MOUSE Crj:BDF1
UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

Group Name	Administration	week-day			
	94–7	98-7	102-7	104-7	
Control	33.8± 5.0	34.2± 4.0	34.4± 3.6	33.7± 4.0	
200 ppm	33.4± 2.5	33.7± 2.5	33.8± 3.4	33.6± 3.7	
400	99.1.1.0.0				
400 ppm	33.1± 2.2	33.4± 2.5	32.0± 2.6	32.0 ± 2.7	
800 ppm	27.8± 2.1**	27.8± 2.5**	27.1± 1.9**	27.3± 2.1**	
Significant difference	*; *:P≦0.05	**: P ≤ 0.01		Test of Dunnett	
(HAN260)					

APPENDIX C 1

FOOD CONSUMPTION CHANGES: SUMMARY, MOUSE: MALE (2-YEAR STUDY)

ANIMAL : MOUSE C-j:BDF1

UNIT : g

REPORT TYPE : A1 104

SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 1

roup Name		week-day(effective)					
	1-7(6)	2–7 (7)	3-7(7)	4-7(7)	5-7(7)	6-7(7)	7-7(7)
ontrol	4.1± 0.2	4.0± 0.2	4.1± 0.3	4.2± 0.2	4.2± 0.2	4.2± 0.2	4.2± 0.3
00 ppm	3.8± 0.2**	4.1± 0.2	4.1± 0.2	4.3± 0.4	4.3± 0.3	4.3± 0.3	4.4± 0.3
Mad 00	3.8± 0.3**	4.2± 0.4	4.4± 0.4**	4.4± 0.3**	4.3± 0.3	4.3± 0.2	4.3± 0.2
mod 00	3.5± 0.3**	3.8± 0.3**	3.9± 0.3	4.1± 0.4	4.0± 0.3**	4.0± 0.4**	3.9± 0.3**
			· · · · · · · · · · · · · · · · · · ·				
Significant difference;	*: P ≤ 0.05 *	$*: P \leq 0.01$		Test of Dunnett			

BAIS 3

ANIMAL : MOUSE Crj:BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

Group Name	Administration	week-day(effective)					
	8-7(7)	9-7(7)	10-7(7)	11-7(7)	12-7(7)	13-7(7)	14-7(7)
Control	4.3± 0.2	4.4± 0.2	4.4± 0.2	4.4± 0.3	4.5± 0.3	4.4± 0.4	4.4± 0.3
200 ppm	4.3± 0.3	4.4± 0.3	4.5± 0.3*	4.4± 0.3	4.5± 0.3	4.5± 0.3	4.6± 0.3
400 ppm	4.4± 0.2	4.3± 0.3	4:3± 0.2	4.2± 0.2**	4.3± 0.2	4.5± 0.2	4.4± 0.3
800 ppm	4.1± 0.3**	3.8± 0.3**	4.0± 0.2**	4.0± 0.3**	4.0± 0.4**	4.2± 0.3**	4.0± 0.2**
						nr.	
Significant difference	; *:P≦0.05 *	* : P ≦ 0.01		Test of Dunnett			
(HAN260)							

ANIMAL : MOUSE C-j:BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

Group Name		eek-day(effective)					
10000	18-7(7)	22-7(7)	26-7(7)	30-7(7)	34-7(7)	38-7(7)	42-7(7)
Contral	4.7± 0.2	4.8± 0.2	4.8± 0.2	4.8± 0.3	4.9± 0.3	4.9± 0.3	4.9± 0.3
200 pom	4.8± 0.3	4.9± 0.3	4.9± 0.3	4.9± 0.3	4.9± 0.4	5.0± 0.3	4.9± 0.3
400 ppm	4.6± 0.3**	4.6± 0.5**	4.6± 0.3*	4.7± 0.3	4.7± 0.4	4.9± 0.4	4.8± 0.3*
800 ppm	4.1± 0.3**	4.2± 0.2**	4.2± 0.2**	4.2± 0.2**	4.3± 0.3**	4.5± 0.3**	4.3± 0.3**
							W 1 M 2 M 2 M 2 M 2 M 2 M 2 M 2 M 2 M 2 M
Significant differer	nce; *:P≦0.05 **	$: P \leq 0.01$		Test of Dunnett			
(HAN260)							

ANIMAL : MOUSE Crj:BDF1
UNIT : g

REPORT TYPE : A1 104

SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

Group Name	Administration u 46-7(7)	eek-day(effecti∪e) 50-7(7)	54-7(7)	58-7(7)	62-7(7)	66-7(7)	70-7(7)
Control	5.1± 0.3	5.2± 0.3	5.0± 0.3	5.1± 0.4	5.2± 0.3	5.2± 0.3	5.3± 0.4
200 ppm	5.1± 0.3	5.2± 0.3	5.0± 0.3	5.2± 0.3	5.2± 0.5	5.2± 0.4	5.2± 0.4
100 ppm	4.8± 0.4*	5.0± 0.4**	4.8± 0.3*	4.9± 0.3	5.1± 0.4*	5.0± 0.4*	4.9± 0.4**
300 ppm	4.4± 0.3**	4.5± 0.2**	4.4士 0.2**	4.5± 0.3**	4.9± 0.3**	4.8± 0.5**	4.7± 0.4**
Significant differe	ence; *:P≦0.05 **	r: P ≤ 0.01		Test of Dunnett			

PAGE: 4

BAIS 3

(HAN260)

ANIMAL : MOUSE C-j:BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

Group Name	Administration 74–7(7)	n week-day(effective) 78-7(7)	82-7(7)	86-7(7)	90-7(7)	94-7(7)	98-7(7)
Control	5.4± 0.6	5.4± 0.7	5.3± 0.4	5.3± 0.4	5.6± 0.5	5.6± 0.5	5.4± 0.6
200 ppm	5.4± 0.5	5.5± 0.4	5.3± 0.4	5.4± 0.6	5.4± 0.5	5.3± 0.7	5.5± 0.5
400 pom	5.1± 0.5**	5.4± 0.5	5.2± 0.5	5.2± 0.5	5.5± 0.6	5.5± 0.7	5.4± 0.8
800 ppm	4.9± 0.4**	5.1± 0.5**	5.1± 0.5	5,3± 0.6	5.7± 0.7	5.8± 0.8	5.5± 0.8
							The second secon
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			
(HAN260)							В

ANIMAL : MOUSE Crj:BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

SEX : MALE				PAGE: 6
Group Name	Administrati 102—7(7)	on week-day(effective) 104-7(7)		
Control	5.3± 0.6	5.1± 0.5		
200 ppm	5.3± 0.4	5.3± 0.5		
400 ppm	5.3± 0.5	5.4± 0.6*		
800 ppm	5.2± 0.6	5.1± 0.6		·
Significant difference ;	*: P ≤ 0.05	** : P ≤ 0.01	Test of Dunnett	
(HAN260)				BAIS3

APPENDIX C 2

FOOD CONSUMPTION CHANGES: SUMMARY, MOUSE: FEMALE (2-YEAR STUDY)

ANIMAL : MOUSE Crj:BDF1

UNIT : g

REPORT TYPE : A1 104

SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

Group Name	Administration	week-day(effective)						
	1–7(6)	2-7(7)	3-7(7)	4-7(7)	5-7(7)	6-7(7)	7-7(7)	
Control	3.5± 0.3	3.6± 0.3	3.7± 0.3	4.0± 0.2	4.1± 0.2	4.1± 0.2	4.2± 0.2	
200 ppm	3.1± 0.3**	3.6± 0.2	3.8± 0.2	4.0± 0.2	4.0± 0.3	4.2± 0.3	4.3± 0.3	
400 ppm	3.1± 0.2**	3.5± 0.3	4.1± 0.4**	4.1± 0.3*	4.2± 0.3	4.2± 0.3	4.3± 0.3	

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

3.6± 0.4 3.8± 0.4* 3.7± 0.3**

(HAN260)

800 ppm

3.0± 0.2**

3.5± 0.3*

BAIS 3

3.8± 0.3** 4.0± 0.4**

ANIMAL : MOUSE Crj:BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 8

Group Name		week-day(effective)					
	8-7(7)	9–7(7)	10-7(7)	11-7(7)	12-7(7)	13-7(7)	14-7(7)
Control	4.2± 0.2	4.3± 0.2	4.2± 0.3	4.2± 0.2	4.3± 0.3	4.4± 0.7	4.2± 0.3
200 ppm	4.2± 0.3	4.4± 0.3	4.3± 0.3	4.3± 0.3**	4.4± 0.3	4.4± 0.3	4.4± 0.3*
400 ppm	4.5± 0.4**	4.6± 0.5	4.4± 0.4	4.3± 0.4*	4.7± 0.5**	4.4± 0.3	4.4± 0.4*
800 ppm	4.1± 0.3	3.9± 0.4**	4.0± 0.3**	4.0± 0.4*	4.0± 0.4**	4.1± 0.3**	4.1± 0.5
Significant differen	ce; *:P≦0.05 *:	*: P ≤ 0.01		Test of Dunnett			

(HAN260)

BAIS 3

ANIMAL : MOUSE Crj:BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

Group Name		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	4.6± 0.3	4.7± 0.4	4.7± 0.3	4.7± 0.5	4.5± 0.4	4.7± 0.4	4.5± 0.4
mag 00.	4.6± 0.3	4.8± 0.4	4.7± 0.3	4.8± 0.3	4.7± 0.4	4.8± 0.4	4.7± 0.4
mqq 001	4.8± 0.4**	4.8± 0.4	4.7± 0.4	4.6± 0.4	4.7± 0.4	4.8± 0.4	4.7± 0.4
mag 008	4.2± 0.3**	4.3± 0.3**	4.3± 0.3**	4.3± 0.4**	4.5± 0.4	4.6± 0.4	4.4± 0.4
Significant difference;		* : P ≦ 0,01		Test of Dunnett	Water Company		

ANIMAL : MOUSE Crj:BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

Group Name	Administratio	n week-day(effective)					
740	46-7(7)	50-7(7)	54-7(7)	58-7(7)	62-7(7)	66-7(7)	70-7(7)
ontrol	4.6± 0.5	4.7± 0.4	4.6± 0.4	4.5± 0.4	4.7± 0.4	4.9± 0.5	4.7± 0.5
noq pom	4.8± 0.3	4.8± 0.3	4.6± 0.4	4.7± 0.5	4.8± 0.6	4.8± 0.4	4.8± 0.6
00 ppm	4.7± 0.3	4.8± 0.4	4.7± 0.4	4.5± 0.4	4.8± 0.4	4.9± 0.5	5.1± 0.6**
mora 00	4.5± 0.4	4.5± 0.4	4.5± 0.4	4.4± 0.4	4.7± 0.4	4.7± 0.5	4.8± 0.5
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			
HAN260)							I

STUDY NO.: 0297 ANIMAL: MOUSE Crj:BDF1

UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

Group Name	Administration u 74-7(7)	ueek-day(effecti∪e) 78-7(7)	82-7(7)	86-7(7)	90-7(7)	94-7(7)	98-7(7)
Control	4.9± 0.6	4.8± 0.6	4.6± 0.7	4.8± 0.5	4.9± 0.6	5.1± 0.9	5.2± 1.0
mod 00	4.8± 0.5	4.9± 0.6	4.8± 0.5	5.2± 0.8*	5.3± 0.6*	5.6± 0.8*	5.6± 0.9
00 ppm	5.5± 0.8**	5.5± 0.6**	5.6± 0.8**	5.9± 0.8**	6.0± 0.7**	6.1± 0.9**	5.9± 0.8**
00 ppm	5.0± 0.7	4.9± 0.6	4.7± 0.5	4.8± 0.6	4.8± 0.6	4.9± 0.6	4.7± 0.5
Significant differen	nce; *:P≦0.05 **	*: P ≤ 0.01		Test of Dunnett			
(HAN260)					·		

ANIMAL : MOUSE C-j:BDF1
UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

SEX: FEMALE				PAGE: 12
Group Name	Administration 102-7(7)	week-day(effective) 104-7(7)		
Control	5.1± 0.7	5.0± 0.9		
200 ppm	5.5± 0.7	5,5± 0.8*		
400 ppm	5.4± 0.7	5.3± 0.7		
mag 008	4.3± 0.5**	4.3± 0.5**		
	ce; *:P≦0.05	r*: P ≤ 0.01	Test of Dunnett	
(HAN260)				BAIS 3

APPENDIX D1

HEMATOLOGY: SUMMARY, MOUSE: MALE

(2-YEAR STUDY)

ANIMAL : MOUSE Crj:BDF1

MEASURE. TIME: 1 SEX : MALE

REPORT TYPE : A1

HEMATOLOGY (SUMMARY) ALL ANIMALS (105W)

RED BLOOD CELL Group Name NO. of HEMOGLOBIN HEMATOCRIT MCV MCH MCHC PLATELET Animals 106/µl g/dl % f Q g/dl рg 1 0³/μl Control 36 9.89± 0.67 14.1± 0.8 45.3± 2.6 45.9± 1.5 14.3± 0.5 $31.2\pm$ 0.7 1885± 345 200 ppm 31 8.67± 2.08** 11.6± 2.8** $38.5 \pm$ 7.6** $45.5 \pm$ 6.0** $13.5 \pm$ 349** 0.7** $29.9 \pm$ 2.2** 2541± 400 ppm 36 8.98 1.64 ** 1.9** 12.0± $39.1 \pm$ 5.9** 44.1± 4.1** $13.4 \pm$ 1.1** $30.5 \pm$ 2459± 496** 1.2** mag 008 36 9.28 ± 1.52* $12.2 \pm$ 1.8** 40.0± 5.4** 43.6± 3.5** $13.2 \pm$ 0.7** 30.4 1.2** $2565 \pm$ 369** Significant difference; $*: P \leq 0.05$ **: $P \leq 0.01$ Test of Dunnett (HCL070) BAIS 3

ANIMAL : MOUSE Crj:BDF1

MEASURE. TIME: 1 SEX : MALE

REPORT TYPE : A1

HEMATOLOGY (SUMMARY) ALL ANIMALS (105W)

Group Name NO. of WBC Differential WBC (%)

	Animals	1 03/	Д	N-BAND		N-SEG		EOSINO		BASO		MONO		LYMPHO		OTHERS	
Control	36	3.56±	1.78	1±	3	32±	15	1±	1	0±	0	4±	2	60±	17	2±	2
200 ppm	31	4.10±	1.95	2±	3*	35±	13	0±	1**	0±	0	3±	2	55±	15	3±	2*
400 ppm	36	10.05±	42.85	2±	2	37±	15	0±	0**	0±	0	3±	2	52±	15	7±	12
800 ppm	36	2.87±	1.18	2±	2	37±	12	0±	0**	0±	0	3±	2	54±	12	4±	2**
Significa	ant difference	; *:P:	≤ 0.05	**:PS	0.01			Test	of Dumm	<u></u>			<u>.</u>	· · · · · · · · · · · · · · · · · · ·			

PAGE: 2

Test of Dunnett

(HCL070) BAIS 3

APPENDIX D 2

HEMATOLOGY: SUMMARY, MOUSE: FEMALE

(2-YEAR STUDY)

ANIMAL : MOUSE C-j:BDF1

MEASURE. TIME: 1 SEX: FEMALE

REPORT TYPE : A1

HEMATOLOGY (SUMMARY) ALL ANIMALS (105W)

Group Name NO. of RED BLOOD CELL HEMOGLOBIN HEMATOCRIT MCV MCH MCHC PLATELET g/dl Animals 1 0°/με % f Q рg g/dl 103/µl Control 29 9.59± 1.03 13.7± 1.6 44.0± 4.5 46.0± 1.7 14.3± 0.6 $31.2 \pm$ 0.7 982± 426 200 ppm 28 9.70± 1.68 13.1± 2.2 42.9± 6.4 44.6± 2.2* $13.5 \pm$ 0.5** $30.4 \pm$ 1.0** 1646士 412** 400 ppm 21 9.16± 2.01 12.1± 2.4* 40.3± 7.6 44.5± 4.2** $13.3\pm$ 0.9** $30.0 \pm$ 0.9** 1916± 628** 800 ppm 20 10.01± 0.93 13.0± 1.0 42.5± 3.3 $42.6 \pm$ 2.1** $13.0 \pm$ 0.5** $30.5 \pm$ 0.7* 2080± 417**

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

Test of Dunnett

(HCL070)

BAIS 3

ANIMAL : MOUSE C-j:BDF1

MEASURE. TIME: 1 SEX: FEMALE

REPORT TYPE : A1

HEMATOLOGY (SUMMARY) ALL ANIMALS (105W)

Group Name NO. of WBC Differential WBC (%) Animals 1 0³/μℓ N-BAND N-SEG EOSINO BASO MONO LYMPHO OTHERS Control 29 3.28± 4.54 $2\pm$ 3 $34\pm$ 15 $1\pm$ 2 0± 0 $4\pm$ 2 $51 \pm$ 18 8± 10 200 ppm 28 6.65± 13.48 2± 2 43± 20 0± 0** 0± 0 $3\pm$ 2 39± 15** 14士 23 400 ppm 21 2.87± 1.53 3± 3 50± 15** 0± 0** 0土 0 $3\pm$ 2 39± 14* 5主 4 800 ppm 20 1.66± 1.13 $3\pm$ 3 $53\pm$ 15** 0± 0** 0土 0 $3\pm$ 38± 14* 3± 3

Significant difference ; * : $P \le 0.05$ ** : $P \le 0.01$ Test of Durnett

(HCL070)

BAIS 3

APPENDIX E 1

BIOCHEMISTRY: SUMMARY, MOUSE: MALE

(2-YEAR STUDY)

STUDY NO. : 0297 ANIMAL : MOUSE Crj:BDF1

BIOCHEMISTRY (SUMMARY) ALL ANIMALS (105W)

MEASURE. TIME: 1

SEX : MALE

REPORT TYPE : A1

PAGE: 1

Group Name	NO. of Animals	g/dl	TOTAL PROTEIN		ALBUMIN g/dl		A/G RATIO		T-BILIRUBIN mg∕dl		GLUCOSE mg/dl		T-CHOLESTEROL mg/dl		TRIGLYCERIDE mg/dl	
Control	36	5.0±	0.4	2.7±	0.2	1.1±	0.1	0.16±	0.06	185±	47	104士	29	54士	20	
maja 005	31	5.3±	0.4**	2.8±	0.2	1.1±	0.1	0.19±	0.13	175±	36	230±	59**	81±	37**	
100 ppm	35	5.6±	0.7**	2.9±	0.3**	1.1±	0.1	0.19±	0.15	150±	39**	282士	103**	65±	32	
300 ppm	37	5.9±	0.4**	3.1±	0.3**	1.1±	0.1	0.22±	0.08**	150±	34**	374±	65**	56±	26.	

(HCL074)

BAIS 3

ANIMAL : MOUSE Crj:BDF1

MEASURE. TIME: 1

SEX : MALE

REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY) ALL ANIMALS (105W)

Group Name	NO. of Animals	GOT I U / J	ı	GPT IU/1).	LDH I U/	Q	ALP IU/	2	CPK IU/S	2	urea n mg/dl		SODIUM mEq/Q	
Control	36	107±	185	51±	93	415±	675	145±	61	68±	81	26.5±	18.0	154±	4
200 ppm	31	561±	592**	501±	469**	4559±	10237**	641±	673**	82±	54*	25.5±	4.6	153±	2
100 ppm	35	553±	535**	668土	737**	3497±	10744**	771±	723**	109±	79**	32.8±	14.3**	153±	2
800 ppm	37	731±	321**	829±	359**	2115±	1062**	1209±	706**	155±	118**	29.8±	4.8**	153±	2

PAGE: 2

(HCL074) BAIS 3

ANIMAL : MOUSE Crj:BDF1

MEASURE. TIME: 1 SEX: MALE

REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY) ALL ANIMALS (105W)

Group Name NO. of POTASSIUM CHLORIDE CALCIUM INORGANIC PHOSPHORUS mEq/Q mEq/Q Animals mg/dl mg/dl Control 36 4.3± 0.5 $125\pm$ 8.8± 0.3 6.6± 1.6 200 ppm 31 $3.9 \pm$ 0.3** 124± 3 $9.2 \pm$ 0.4** 6.1± 0.8 400 ppm 35 $3.9 \pm$ 0.6** 124± 2 9.4± 0.5** 6.5± 1.0 800 ppm 37 $3.9\pm$ 0.4** 124士 3 9.8± 0.3** 6.9± 0.8 Significant difference; $*:P \le 0.05$ **: $P \le 0.01$ Test of Dunnett (HCL074)

PAGE: 3

BAIS 3

APPENDIX E 2

BIOCHEMISTRY: SUMMARY, MOUSE: FEMALE

ANIMAL : MOUSE Crj:BDF1

MEASURE. TIME: 1 SEX: FEMALE

E REPOR

REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY) ALL ANIMALS (105W)

Group Name	NO. of Animals	TOTAL F		g/dl ALBUMIN		A/G RAT	10	T-BILI		GLUCOSE mg/dl		T-CHOLE	STEROL	TRIGLYCI	ERIDE
Control	29	5.0±	0.7	2.6±	0.3	1.1±	0.2	0.17±	0.11	129±	31	78±	49	42±	28
200 ppm	28	6.1±	0.6**	3.2±	0.2**	1.1±	0.1	0.25±	0.12*	142±	53	252±	111**	60±	46
100 ppm	20	6.2±	0.8**	3.3±	0.4**	1.1±	0.1	0.33±	0.12**	93±	50	360±	87**	54土	21
800 ppm	19	6.1±	0.6**	3.3±	0.4**	1.2±	0.1	0.34±	0.15**	120±	60	504士	177**	67±	51

(HCL074)

BAIS 3

STUDY NO.: 0297
ANIMAL: MOUSE Cr-j:BDF1
MEASURE. TIME: 1

SEX : FEMALE

REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY) ALL ANIMALS (105W)

Group Name	NO. of Animals	GOT I U/	Q	GPT IU/	Q	IU/	Q	ALP IU/	Q	CPK IU/s	1	UREA N mg/dl	ITROGEN	SODIUM mEq∕Q	
Control	29	411±	1286	139±	411	847±	1984	213±	97	108±	140	18.7±	8.5	152±	3
mag 00	28	991±	645**	781±	544**	3588±	3294**	1098±	728**	216±	205**	35.2±	31.6**	153±	4
map 00	20	1981±	1156**	1748±	1060**	6452±	6066**	2115±	536**	178±	74**	39.4±	13.1**	154±	4
800 ppm	19	1748±	1375**	1289±	858**	3299±	2236**	2168±	737**	193±	125**	35.2±	8.1**	152±	3

(HCL074)

BAIS 3

ANIMAL : MOUSE Crj:BDF1

MEASURE. TIME: 1
SEX: FEMALE REPO

REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY) ALL ANIMALS (105W)

Group Name NO. of POTASSIUM CHLORIDE CALCIUM INORGANIC PHOSPHORUS mEq/2Animals mEq/l mg/dl mg/dl Control 29 4.2± 0.5 9.1± 0.6 $125\pm$ 3 6.3± 0.9 200 ppm 28 4.0± 0.6 $123\pm$ $10.3 \pm$ 4 0.9** 7.1± 1.9 400 ppm 20 $4.6 \pm$ 0.7 $122\pm$ 4* $10.3 \pm$ 0.6** 7.2生 1.1** 800 ppm 19 4.5± 0.6 $120\pm$ 3** 10.2± 0.4** 7.1± 0.7** Significant difference; $*:P \leq 0.05$ **: $P \leq 0.01$ Test of Dunnett

(HCL074)

BAIS 3

APPENDIX F1

URINALYSIS: SUMMARY, MOUSE: MALE

URINALYSIS

STUDY NO. : 0297 ANIMAL : MOUSE Crj:BDF1

MEASURE. TIME: 1

SEX : MALE

REPORT TYPE : A1

PAGE: 1

Group Name	NO. of	_Hq							Protein	Glucase	Ketone body	Occult blood
	Animals	5.0	6.0	6.5	7.0	7.5	8.0	8.5 CHI	- ± + 2+ 3+ 4+ CHI	- ± + 2+ 3+ 4+ CHI	- ± + 2+ 3+ 4+ CHI	- ± + 2+ 3+ CHI
Control	37	0	2	4	5	10	14	2	0 1 33 3 0 0	37 0 0 0 0 0	7 29 0 1 0 0	34 1 2 0 0
mqq 002	33	0	2	3	7	11	10	0	0 5 23 4 1 0	33 0 0 0 0 0	10 21 2 0 0 0	32 0 0 0 1
400 ppm	38	0	3	3	4	4	17	7	0 18 15 4 1 0 **	38 0 0 0 0 0	19 17 2 0 0 0 **	38 0 0 0 0
mqq 008	41	0	2	7	2	5	20	5	3 22 14 1 0 1 **	41 0 0 0 0 0	28 13 0 0 0 0 **	39 1 0 0 1

URINALYSIS

ANIMAL : MOUSE Crj:BDF1

MEASURE, TIME: 1

SEX : MALE

REPORT TYPE : A1

SEX : MALE	REPORT	TYPE : A1		PAGE: 2
Group Name	NO. of Animals	Urobilinogen ± + 2+ 3+ 4+ CHI		
Control	37	37 0 0 0 0		
200 ppm	33	33 0 0 0 0		
400 ppm	38	38 0 0 0 0		
mqq 008	41	41 0 0 0 0		
Significan	nt difference	; *: P ≤ 0.05 **: P ≤ 0.01	Test of CHI SQUARE	
(HCL101)				BAIS 3

APPENDIX F 2

URINALYSIS: SUMMARY, MOUSE: FEMALE

URINALYSIS

ANIMAL : MOUSE Crj:BDF1

MEASURE. TIME: 1

SEX: FEMALE

REPORT TYPE : A1

PAGE: 3

Group Name	NO. of	Hq								Protein				Glucos	e		Ketor	ne body	,		0ccu1	t bio	od	
	Animals	5.0	6.0	6.5	7.0	7.5	8.0	8.5	CHI	- ± +		3+ 4+	CHI	- ±		3+ 4+ CHI				CHI			+ 3+	CHI
Control	28	0	0	4	8	12	4	0		0 3 17	7 6	1 1		28 0	0 0	0 0	10 1:	2 5 3	. 0 0		25	. 0	1 1	
mqq 009	31	0	5	3	7	14	2	0		0 2 12	2 13	3 1		31 0	0 0	0 0	11 1:	3 6 3	. 0 0		25 2	1	2 1	
100 ppm	21	0	3	4	6	4	4	0		0 2 8	3 9	2 0		21 0	0 0	0 0	9 9	3 3 (0 0		20	. 0	0 0	
300 ppm	23	0	3	3	1	8	6	2	*	086	3 5	4 0	*	23 0	0 0	0 0	10 '	7 6 0	0 0		20 1	. 1	0 1	

BAIS3 (HCL101)

URINALYSIS

ANIMAL : MOUSE Crj:BDF1

MEASURE. TIME: 1 SEX: FEMALE

REPORT TYPE : A1

Group Name	NO. of Animals	Urobilinogen ± + 2+ 3+ 4+ CHI		
Control	28	28 0 0 0 0		72.
200 ppm	31	31 0 0 0 0		
400 ppm	21	21 0 0 0 0		
map 008	23	23 0 0 0 0		
Significan	nt difference	: *: P ≤ 0.05 **: P ≤ 0.01	Test of CHI SQUARE	
(HCL101)				RAIS

BAIS3

APPENDIX G1

GROSS FINDINGS: SUMMARY, MOUSE: MALE: ALL ANIMALS

ANIMAL : MOUSE Crj:BDF1

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

REPORT TYPE : A1

SEX : MALE

an	Findings	Group Name Control NO. of Animals 50 (%)	200 ppm 50 (%)	400 ppm 49 (%)	800 ppm 50 (%)
n/app	nodule	0 (0)	1 (2)	0 (0)	0 (0)
	erosion	1 (2)	0 (0)	0 (0)	0 (0)
	thick	0 (0)	1 (2)	0 (0)	0 (0)
	scab	0 (0)	0 (0)	2 (4)	0 (0)
cutis	edema	1 (2)	1 (2)	1 (2)	0 (0)
	mass	3 (6)	1 (2)	0 (0)	1 (2)
al cavit	nodule	0 (0)	0 (0)	0 (0)	1 (2)
3	white zone	1 (2)	0 (0)	0 (0)	1 (2)
	red zone	1 (2)	0 (0)	0 (0)	0 (0)
	nodule	8 (16)	11 (22)	8 (16)	11 (22)
h node	enlarged	4 (8)	3 (6)	3 (6)	5 (10)
en	enlarged	4 (8)	5 (10)	6 (12)	3 (6)
	white zone	0 (0)	0 (0)	0 (0)	1 (2)
	black zone	2 (4)	0 (0)	0 (0)	2 (4)
	nodule	1 (2)	1 (2)	2 (4)	0 (0)
	deformed	0 (0)	0 (0)	0 (0)	1 (2)
	accentuation of white pulp	1 (2)	0 (0)	2 (4)	0 (0)
t	white zone	0 (0)	0 (0)	1 (2)	0 (0)
	nodule	0 (0)	0 (0)	1 (2)	0 (0)
vary gl	nodute	0 (0)	1 (2)	0 (0)	0 (0)
stomach	nodule	1 (2)	0 (0)	0 (0)	0 (0)
stomach	thick	0 (0)	2 (4)	0 (0)	0 (0)

STUDY NO. : 0297
ANIMAL : MOUSE C-j:BDF1
REPORT TYPE : A1
SEX : MALE

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

gan	Findings	Group Name Control NO. of Animals 50 (%)	200 ppm 50 (%)	400 ppm 49 (%)	800 ppm 50 (%)
tomach	nodule	0 (0)	1 (2)	0 (0)	0 (0)
	ulcer	0 (0)	0 (0)	1 (2)	0 (0)
mall intes	nodule	1 (2)	1 (2)	2 (4)	1 (2)
ver	enlarged	0 (0)	1 (2)	0 (0)	1 (2)
	white zone	2 (4)	3 (6)	1 (2)	1 (2)
	red zone	0 (0)	0 (0)	0 (0)	1 (2)
	nodule	14 (28)	44 (88)	48 (98)	48 (96)
	mass	1 (2)	0 (0)	0 (0)	0 (0)
	cyst	0 (0)	1 (2)	0 (0)	0 (0)
ncreas	nodule	1 (2)	0 (0)	2 (4)	0 (0)
hey	nodule	0 (0)	1 (2)	1 (2)	1 (2)
	deformed	1 (2)	0 (0)	0 (0)	0 (0)
	hydronephrosis	2 (4)	1 (2)	3 (6)	1 (2)
in bladd	urine:marked retention	1 (2)	3 (6)	1 (2)	1 (2)
yroid	enlarged	0 (0)	0 (0)	0 (0)	1 (2)
stis	nodule	0 (0)	0 (0)	1 (2)	1 (2)
	adhesion	1 (2)	0 (0)	0 (0)	0 (0)
ididymis	nodule	0 (0)	0 (0)	1 (2)	0 (0)
min ves	adhesion	1 (2)	0 (0)	0 (0)	0 (0)
ain	nodule	0 (0)	1 (2)	0 (0)	0 (0)
	mass	0 (0)	1 (2)	0 (0)	0 (0)
9	white	0 (0)	1 (2)	1 (2)	1 (2)

ANIMAL : MOUSE C-j:BDF1
REPORT TYPE : A1

SEX : MALE

PAGE: 3

Organ	Findings	Group Name Control NO. of Animals 50 (%)	200 ppm 50 (%)	400 ppm 49 (%)	800 ppm 50 (%)
Harder gl	enlarged	0 (0)	2 (4)	1 (2)	1 (2)
	nodule	1 (2)	1 (2)	0 (0)	2 (4)
mediastinum	mass	0 (0)	0 (0)	1 (2)	0 (0)
peritoneum	nodule	0 (0)	0 (0)	0 (0)	1 (2)
	thick	0 (0)	0 (0)	0 (0)	1 (2)
bdominal c	hemorrhage	1 (2)	1 (2)	3 (6)	3 (6)
	ascites	1 (2)	1 (2)	1 (2)	0 (0)
noracic ca	hemorrhage	0 (0)	0 (0)	1 (2)	0 (0)
	pleural fluid	2 (4)	1 (2)	3 (6)	0 (0)
ther	enlarged	1 (2)	0 (0)	0 (0)	0 (0)
	nodule	0 (0)	1 (2)	0 (0)	0 (0)
	mass	0 (0)	1 (2)	0 (0)	0 (0)
	tail:nodule	0 (0)	0 (0)	1 (2)	0 (0)
	hindlimb:nodule	0 (0)	0 (0)	1 (2)	0 (0)
	nose:nodule	0 (0)	0 (0)	0 (0)	1 (2)

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

(HPT080)

APPENDIX G 2

GROSS FINDINGS: SUMMARY, MOUSE: MALE: DEAD AND MORIBUND ANIMALS

ANIMAL : MOUSE Crj:BDF1

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

REPORT TYPE : A1 SEX : MALE

Organ	Findings	Group Name Control NO. of Animals 13 (%)	200 ppm 17 (%)	400 ppm 12 (%)	800 ppm 10 (%)
skin/app	nodule	0 (0)	1 (6)	0 (0)	0 (0)
	thick	0 (0)	1 (6)	0 (0)	0 (0)
	scab	0 (0)	0 (0)	1 (8)	0 (0)
subcutis	edema	1 (8)	1 (6)	1 (8)	0 (0)
	mass	2 (15)	1 (6)	0 (0)	0 (0)
lung	white zone	1 (8)	0 (0)	0 (0)	0 (0)
	red zone	1 (8)	0 (0)	0 (0)	0 (0)
	nodule	2 (15)	1 (6)	4 (33)	2 (20)
lymph nade	enlarged	1 (8)	2 (12)	1 (8)	1 (10)
spleen	enlarged	2 (15)	2 (12)	2 (17)	1 (10)
	nodule	1 (8)	0 (0)	0 (0)	0 (0)
	deformed	0 (0)	0 (0)	0 (0)	1 (10)
	accentuation of white pulp	0 (0)	0 (0)	1 (8)	0 (0)
heart	nodule	0 (0)	0 (0)	1 (8)	0 (0)
salivary gl	nodule	0 (0)	1 (6)	0 (0)	0 (0)
gl stomach	thick	0 (0)	2 (12)	0 (0)	0 (0)
stomach	nodute	0 (0)	1 (6)	0 (0)	0 (0)
	ulcer	0 (0)	0 (0)	1 (8)	0 (0)
small intes	nodule	0 (0)	1 (6)	0 (0)	0 (0)
liver	enlarged	0 (0)	1 (6)	0 (0)	1 (10)
	white zone	1 (8)	3 (18)	1 (8)	1 (10)
	nodule	5 (38)	12 (71)	12 (100)	8 (80)

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1 SEX : MALE

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

gan	Findings	Group Name Control NO. of Animals 13 (%)	200 ppm 17 (%)	400 ppm 12 (%)	800 ppm 10 (%)
iver	mass	1 (8)	0 (0)	0 (0)	0 (0)
ancreas	nodule	1 (8)	0 (0)	1 (8)	0 (0)
dney	nodule	0 (0)	1 (6)	0 (0)	0 (0)
	hydronephrasis	1 (8)	0 (0)	0 (0)	1 (10)
n bladd	urine:marked retention	1 (8)	3 (18)	1 (8)	1 (10)
roid	enlarged	0 (0)	0 (0)	0 (0)	1 (10)
tis	nodule	0 (0)	0 (0)	0 (0)	1 (10)
	adhesion	1 (8)	0 (0)	0 (0)	0 (0)
in	nodule	0 (0)	1 (6)	0 (0)	0 (0)
	mass	0 (0)	1 (6)	0 (0)	0 (0)
der gl	nodule	1 (8)	1 (6)	0 (0)	1 (10)
iastinum	mass	0 (0)	0 (0)	1 (8)	0 (0)
itoneum	nodule	0 (0)	0 (0)	0 (0)	1 (10)
	thick	0 (0)	0 (0)	0 (0)	1 (10)
lominal c	hemorrhage	1 (8)	1 (6)	3 (25)	2 (20)
	ascites	1 (8)	1 (6)	1 (8)	0 (0)
racic ca	hemorrhage	0 (0)	0 (0)	1 (8)	0 (0)
	pleural fluid	1 (8)	1 (6)	3 (25)	0 (0)
er	enlarged	1 (8)	0 (0)	0 (0)	0 (0)
	nodule	0 (0)	1 (6)	0 (0)	0 (0)
	mass	0 (0)	1 (6)	0 (0)	0 (0)
	tail:nodule	0 (0)	0 (0)	1 (8)	0 (0)

STUDY NO. : 0297 ANIMAL : MOUSE C-j:BDF1

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

REPORT TYPE : A1 SEX : MALE

Organ	Findings	Group Name Control NO. of Animals 13 (%)	200 ppm 17 (%)	400 ppm 12 (%)	800 ppm 10 (%)
other	hindlimb:nodule	0 (0)	0 (0)	1 (8)	0 (0)
IPT080)			· · · · · · · · · · · · · · · · · · ·		

APPENDIX G3

GROSS FINDINGS: SUMMARY, MOUSE: MALE: SACRIFICED ANIMALS

ANIMAL : MOUSE Crj:BDF1

GROSS FINDINGS (SUMMARY) SACRIFICED ANIMALS (105W)

REPORT TYPE : A1

: MALE SEX

)rgan	Findings	Group Name Control NO. of Animals 37 (%)	200 ppm 33 (%)	400 ppm 37 (%)	800 ppm 40 (%)
skin/app	erasion	1 (3)	0 (0)	0 (0)	0 (0)
	scab	0 (0)	0 (0)	1 (3)	0 (0)
subcutis	mass	1 (3)	0 (0)	0 (0)	1 (3)
nasal cavit	nodule	0 (0)	0 (0)	0 (0)	1 (3)
lung	white zone	0 (0)	0 (0)	0 (0)	1 (3)
	nodule	6 (16)	10 (30)	4 (11)	9 (23)
lymph node	enlarged	3 (8)	1 (3)	2 (5)	4 (10)
spleen	enlarged	2 (5)	3 (9)	4 (11)	2 (5)
	white zone	0 (0)	0 (0)	0 (0)	1 (3)
	black zone	2 (5)	0 (0)	0 (0)	2 (5)
	nodule	0 (0)	1 (3)	2 (5)	0 (0)
	accentuation of white pulp	1 (3)	0 (0)	1 (3)	0 (0)
neart	white zone	0 (0)	0 (0)	1 (3)	0 (0)
forestomach	nodule	1 (3)	0 (0)	0 (0)	0 (0)
small intes	nodule	1 (3)	0 (0)	2 (5)	1 (3)
liver	white zone	1 (3)	0 (0)	0 (0)	0 (0)
	red zone	0 (0)	0 (0)	0 (0)	1 (3)
	nodule	9 (24)	32 (97)	36 (97)	40 (100)
	cyst	0 (0)	1 (3)	0 (0)	0 (0)
pandreas	nodule	0 (0)	0 (0)	1 (3)	0 (0)
kidney	nodule	0 (0)	0 (0)	1 (3)	1 (3)
	deformed	1 (3)	0 (0)	0 (0)	0 (0)

ANIMAL : MOUSE C-j:BDF1

REPORT TYPE : A1
SEX : MALE

GROSS FINDINGS (SUMMARY) SACRIFICED ANIMALS (105W)

PAGE: 2

gan	Findings	Group Name Control NO. of Animals 37 (%)	200 ppm 33 (%)	400 ppm 37 (%)	800 ppm 40 (%)
dney	hydranephrasis	1 (3)	1 (3)	3 (8)	0 (0)
stis	nodule	0 (0)	0 (0)	1 (3)	0 (0)
ididymis	nodule	0 (0)	0 (0)	1 (3)	0 (0)
min ∪es	adhesion	1 (3)	0 (0)	0 (0)	0 (0)
е	white	0 (0)	1 (3)	1 (3)	1 (3)
rder gl	enlarged	0 (0)	2 (6)	1 (3)	1 (3)
	nodute	0 (0)	0 (0)	0 (0)	1 (3)
dominal c	hemorrhage	0 (0)	0 (0)	0 (0)	1 (3)
oracic ca	pleural fluid	1 (3)	0 (0)	0 (0)	0 (0)
her	nase:nadule	0 (0)	0 (0)	0 (0)	. 1 (3)

(HPT080)

BAIS 3

APPENDIX G4

GROSS FINDINGS: SUMMARY, MOUSE: FEMALE: ALL ANIMALS (2-YEAR STUDY)

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 SEX : FEMALE GROSS FINDINGS (SUMMARY) ALL ANIMALS (0-105W)

Organ	Findings	Group Name Control NO. of Animals 49 (%)	200 ppm 50 (%)	400 ppm 50 (%)	800 ppm 49 (%)
skin/app	nodule	0 (0)	1 (2)	1 (2)	0 (0)
subcutis	edema	6 (12)	5 (10)	3 (6)	0 (0)
	mass	2 (4)	3 (6)	0 (0)	1 (2)
lung	enlarged	0 (0)	1 (2)	0 (0)	0 (0)
	red	1 (2)	0 (0)	0 (0)	1 (2)
	white zone	0 (0)	2 (4)	1 (2)	1 (2)
	red zone	1 (2)	0 (0)	0 (0)	0 (0)
	nociule	4 (8)	5 (10)	8 (16)	8 (16)
	adhesion	0 (0)	0 (0)	0 (0)	1 (2)
lymph node	enlarged	9 (18)	11 (22)	5 (10)	2 (4)
	adhesion	0 (0)	0 (0)	0 (0)	1 (2)
thymus	enlarged	0 (0)	1 (2)	1 (2)	. 0 (0)
	nodute	1 (2)	0 (0)	0 (0)	0 (0)
spleen	enlarged	7 (14)	9 (18)	13 (26)	3 (6)
	white zone	1 (2)	0 (0)	1 (2)	0 (0)
	nodule	1 (2)	0 (0)	1 (2)	2 (4)
heart	white zone	1 (2)	0 (0)	0 (0)	0 (0)
small intes	nodule	0 (0)	0 (0)	1 (2)	0 (0)
	dilated	1 (2)	0 (0)	0 (0)	0 (0)
large intes	di lated	1 (2)	0 (0)	0 (0)	0 (0)
liver	enlarged	6 (12)	3 (6)	5 (10)	1 (2)
	white zone	4 (8)	2 (4)	4 (8)	3 (6)

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

ANIMAL : MOUSE C-j:BDF1
REPORT TYPE : A1 SEX : FEMALE

0rgan	Findings	Group Name Control NO. of Animals 49 (%)	200 ppm 50 (%)	400 ppm 50 (%)	800 ppm 49 (%)
liver	red zone	4 (8)	0 (0)	1 (2)	1 (2)
	nadule	12 (24)	46 (92)	42 (84)	43 (88)
	roush	0 (0)	2 (4)	0 (0)	0 (0)
	nodular	1 (2)	1 (2)	3 (6)	3 (6)
	adhesion	0 (0)	0 (0)	2 (4)	0 (0)
pancreas	nodute	0 (0)	1 (2)	2 (4)	0 (0)
cidney	enlarged	2 (4)	0 (0)	0 (0)	1 (2)
	white zone	1 (2)	2 (4)	0 (0)	0 (0)
	nodule	1 (2)	0 (0)	1 (2)	1 (2)
	hydronephrosis	3 (6)	0 (0)	2 (4)	1 (2)
rin bladd	urine:marked retention	2 (4)	0 (0)	0 (0)	0 (0)
ituitary	enlarged	5 (10)	1 (2)	4 (8)	0 (0)
	red zone	0 (0)	1 (2)	1 (2)	0 (0)
	black zone	0 (0)	1 (2)	0 (0)	0 (0)
	nodule	2 (4)	7 (14)	2 (4)	0 (0)
wary	enlarged	4 (8)	6 (12)	6 (12)	1 (2)
	cyst	11 (22)	4 (8)	4 (8)	2 (4)
rterus	nodule	8 (16)	14 (28)	7 (14)	5 (10)
agina	nodule	0 (0)	0 (0)	1 (2)	0 (0)
rain	red zone	0 (0)	0 (0)	1 (2)	0 (0)
	nodule	0 (0)	0 (0)	0 (0)	2 (4)
spinal cord	nodule	0 (0)	0 (0)	0 (0)	1 (2)

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1
SEX : FEMALE

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

PAGE: 6

Organ	Findings	Group Name Control NO. of Animals 49 (%)	200 ppm 50 (%)	400 ppm 50 (%)	800 ppm 49 (%)
вуе	nodule	1 (2	0 (0)	0 (0)	0 (0)
	absence	0 (0	0 (0)	0 (0)	1 (2)
Harder gl	enlarged	0 (0	0 (0)	0 (0)	1 (2)
	nodule	0 (0	1 (2)	1 (2)	2 (4)
muscle	nodule	0 (0	1 (2)	0 (0)	0 (0)
oleura	mass	0 (0	0 (0)	1 (2)	0 (0)
mediastinum	mass	2 (4	0 (0)	0 (0)	0 (0)
eritaneum	nodule	1 (2	0 (0)	0 (0)	0 (0)
	mass	0 (0	3 (6)	1 (2)	0 (0)
	thick	1 (2	0 (0)	0 (0)	0 (0)
abdominal c	hemorrhage	3 (6	3 (6)	3 (6)	4 (8)
	ascites	6 (12	5 (10)	3 (6)	0 (0)
thoracic ca	hemorrhage	. 0 (0	0 (0)	1 (2)	1 (2)
	pleural fluid	6 (12	5 (10)	4 (8)	0 (0)
other	nose:nodule	1 (2	0 (0)	0 (0)	0 (0)

(HPT080)

APPENDIX G 5

GROSS FINDINGS: SUMMARY, MOUSE: FEMALE: DEAD AND MORIBUND ANIMALS

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1 SEX : FEMALE

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

an	Findings	Group Name Control NO. of Animals 20 (%)	200 ppm 20 (%)	400 ppm 29 (%)	800 ppm 27 (%)
cutis	edema	6 (30)	5 (25)	3 (10)	0 (0)
	mass	1 (5)	0 (0)	0 (0)	1 (4)
g	enlarged	0 (0)	1 (5)	0 (0)	0 (0)
	red	1 (5)	0 (0)	0 (0)	1 (4)
	white zone	0 (0)	2 (10)	1 (3)	1 (4)
	nodule	0 (0)	1 (5)	5 (17)	3 (11)
	adhesion	0 (0)	0 (0)	0 (0)	1 (4)
ph node	enlarged	4 (20)	6 (30)	5 (17)	2 (7)
	adhesion	0 (0)	0 (0)	0 (0)	1 (4)
mus	enlarged	0 (0)	1 (5)	1 (3)	0 (0)
	nodule	1 (5)	0 (0)	0 (0)	0 (0)
een	enlarged	3 (15)	3 (15)	9 (31)	2 (7)
	white zone	0 (0)	0 (0)	1 (3)	0 (0)
	nodule	0 (0)	0 (0)	1 (3)	1 (4)
rt	white zone	1 (5)	0 (0)	0 (0)	0 (0)
ll intes	nodule	0 (0)	0 (0)	1 (3)	0 (0)
	dilated	1 (5)	0 (0)	0 (0)	0 (0)
ge intes	dilated	1 (5)	0 (0)	0 (0)	0 (0)
er-	enlarsed	6 (30)	2 (10)	5 (17)	1 (4)
	white zone	4 (20)	2 (10)	4 (14)	3 (11)
	red zone	0 (0)	0 (0)	1 (3)	1 (4)
	nodule	2 (10)	16 (80)	21 (72)	21 (78)

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 SEX : FEMALE

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

rgan	Findings	Group Name Control NO. of Animals 20 (%)	200 ppm 20 (%)	400 ppm 29 (%)	800 ppm 27 (%)
iver	rough	0 (0)	2 (10)	0 (0)	0 (0)
	nodular	1 (5)	1 (5)	3 (10)	3 (11)
	adhesion	0 (0)	0 (0)	2 (7)	0 (0)
ancreas	nodule	0 (0)	0 (0)	2 (7)	0 (0)
idney	enlarged	1 (5)	0 (0)	0 (0)	1 (4)
	white zone	1 (5)	1 (5)	0 (0)	0 (0)
	nodule	1 (5)	0 (0)	1 (3)	1 (4)
	hydronephrosis	2 (10)	0 (0)	1 (3)	1 (4)
in bladd	urine:marked retention	2 (10)	0 (0)	0 (0)	0 (0)
tuitary	enlarged	1 (5)	1 (5)	1 (3)	0 (0)
	red zone	0 (0)	0 (0)	1 (3)	0 (0)
	black zone	0 (0)	1 (5)	0 (0)	0 (0)
	nodule	0 (0)	2 (10)	1 (3)	0 (0)
uar'y	enlarged	4 (20)	6 (30)	4 (14)	1 (4)
	cyst	1 (5)	0 (0)	1 (3)	0 (0)
terus	nadule	6 (30)	7 (35)	6 (21)	4 (15)
ain	red zone	0 (0)	0 (0)	1 (3)	0 (0)
	nodule	0 (0)	0 (0)	0 (0)	2 (7)
pinal cord	nodule	0 (0)	0 (0)	0 (0)	1 (4)
arder gl	enlarged	0 (0)	0 (0)	0 (0)	1 (4)
	nodule	0 (0)	0 (0)	0 (0)	2 (7)
leura	mass	0 (0)	0 (0)	1 (3)	0 (0)

ANIMAL : MOUSE Crj:BDF1

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

REPORT TYPE : A1 SEX : FEMALE

PAGE: 6

0rgan	Findings	Group Name Control NO. of Animals 20 (%)	200 ppm 20 (%)	400 ppm 29 (%)	800 ppm 27 (%)
mediastinum	mass	2 (10)	0 (0)	0 (0)	0 (0)
peritoneum	mass	0 (0)	1 (5)	1 (3)	0 (0)
	thick	1 (5)	0 (0)	0 (0)	0 (0)
abdominal c	hemorrhage	3 (15)	3 (15)	3 (10)	4 (15)
	ascites	5 (25)	4 (20)	3 (10)	0 (0)
thoracic ca	hemorrhage	0 (0)	0 (0)	1 (3)	1 (4)
	pleural fluid	6 (30)	4 (20)	4 (14)	0 (0)
ather	nose:nodule	1 (5)	0 (0)	0 (0)	0 (0)

(HPT080)

BAIS3

APPENDIX G6

GROSS FINDINGS: SUMMARY, MOUSE: FEMALE: SACRIFICED ANIMALS

STUDY NO. : 0297 ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1

GROSS FINDINGS (SUMMARY) SACRIFICED ANIMALS (105W)

SEX : FEMALE PAGE: 3

rgan	Findings	Group Name Control NO. of Animals 29 (%)	200 ppm 30 (%)	400 ppm 21 (%)	800 ppm 22 (%)
kin/app	nodule	0 (0)	1 (3)	1 (5)	0 (0)
ubcutis	mass	1 (3)	3 (10)	0 (0)	0 (0)
ung	red zone	1 (3)	0 (0)	0 (0)	0 (0)
	nodule	4 (14)	4 (13)	3 (14)	5 (23)
ymph node	enlarged	5 (17)	5 (17)	0 (0)	0 (0)
pleen	enlarged	4 (14)	6 (20)	4 (19)	1 (5)
	white zone	1 (3)	0 (0)	0 (0)	0 (0)
	nodule	1 (3)	0 (0)	0 (0)	1 (5)
iver	enlarged	0 (0)	1 (3)	0 (0)	0 (0)
	red zone	4 (14)	0 (0)	0 (0)	0 (0)
	nodule	10 (34)	30 (100)	21 (100)	22 (100)
pancreas	nodule	0 (0)	1 (3)	0 (0)	0 (0)
idney	enlarged	1 (3)	0 (0)	0 (0)	0 (0)
	white zone	0 (0)	1 (3)	0 (0)	0 (0)
	hydronephrosis	1 (3)	0 (0)	1 (5)	0 (0)
oituitary	enlarged	4 (14)	0 (0)	3 (14)	0 (0)
	red zone	0 (0)	1 (3)	0 (0)	0 (0)
	nodule	2 (7)	5 (17)	1 (5)	0 (0)
ouary	enlarged	0 (0)	0 (0)	2 (10)	0 (0)
	cyst	10 (34)	4 (13)	3 (14)	2 (9)
rterus	nodule	2 (7)	7 (23)	1 (5)	1 (5)
agina	nodule	0 (0)	0 (0)	1 (5)	0 (0)

ANIMAL : MOUSE Crj:BDF1

GROSS FINDINGS (SUMMARY) SACRIFICED ANIMALS (105W)

REPORT TYPE : A1

SEX : FEMALE

SEX	: FEMALE	PAGE: 4	

1 (3) 0 (0) 0 (0)	0 (0)	0 (0)	0 (0) 1 (5)
		0 (0)	1 (5)
0 (0)	1 (0)		
	1 (3)	1 (5)	0 (0)
0 (0)	1 (3)	0 (0)	0 (0)
1 (3)	0 (0)	0 (0)	0 (0)
0 (0)	2 (7)	0 (0)	0 (0)
1 (3)	1 (3)	0 (0)	0 (0)
0 (0)	1 (3)	0 (0)	0 (0)

APPENDIX H 1

ORGAN WEIGHT, ABSOLUTE: SUMMARY, MOUSE: MALE

ANIMAL : MOUSE 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	37	45.0± 7.5	0.016± 0.004	0.212± 0.041	0.234± 0.024	0.248± 0.072	0.685± 0.072
200 ppm	33	38.0± 3.6	0.014± 0.003	0.205± 0.039	0.251± 0.021**	0.258± 0.097	1.020± 1.945
100 ppm	37	33.1± 3.1**	0.013± 0.004*	0.213± 0.058	0.233± 0.023	0.231± 0.062	0.760± 0.377
800 ppm	40	30.4± 2.3**	0.012± 0.003**	0.191± 0.034	0.226± 0.041	0.234± 0.045	0.634± 0.268**

(HCL040)

BAIS3

STUDY NO.: 0297
ANIMAL: MOUSE Crj:BDF1
REPORT TYPE: A1

SEX : MALE UNIT: g

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

Group Name	NO. of Animals	SPLEEN	N	LIVE	ER	BRA	·
Control	37	0.092± 0	0.086	1.724±	0.411	0.462±	0.017
200 ppm	33	0.135± 0	0.105*	4.162±	2.421**	0.467±	0.018
400 ppm	37	0.170± 0).175**	4.570±	2.441**	0.453±	0.016*
800 ppm	40	0.130± 0	0.140**	5.406±	0.878**	0.435±	0.017**

BAIS 3

APPENDIX H 2

ORGAN WEIGHT, ABSOLUTE: SUMMARY, MOUSE: FEMALE

(2-YEAR STUDY)

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE: A1
SEX: FEMALE
UNIT: g

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

MITTAL MITTALS (100W)

PAGE: 3

Group Name	NO. of Animals	Body Weight	ADRENALS	OVARIES	HEART	LUNGS	KIDNEYS
Control	29	29.5± 3.6	0.017± 0.004	0.070± 0.066	0.192± 0.029	0.256± 0.047	0.524± 0.135
200 ppm	30	28.9± 3.2	0.015± 0.003*	0.051± 0.090	0.209± 0.036*	0.251± 0.059	0.544± 0.064*
.00 ppm	21	27.4± 2.1	0.014± 0.003**	0.106± 0.281**	0.208± 0.026*	0.260± 0.160	0.569± 0.068**
300 ppm	22	23.9± 2.0**	0.013± 0.004**	0.016± 0.011**	0.186± 0.016	0.235± 0.048	0.492± 0.058

(HCL040) BAIS 3

ANIMAL : MOUSE C-j:BDF1
REPORT TYPE : A1

SEX : FEMALE UNIT: g

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

PAGE: 4

Group Name	NO. of Animals	SPLI	EEN	LIV	ER	BRA	IN
Control	29	0.190±	0.169	1.570±	0.325	0.491±	0.044
200 ppm	30	0.318±	0.374	5.535±	2.582**	0.468±	0.023
400 ppm	21	0.208±	0.147	7.100±	1.299**	0.445±	0.023**
800 ppm	22	0.101±	0.073**	5.671±	0.967**	0.430±	0.013**

(HCL040)

BAISS

APPENDIX I1

ORGAN WEIGHT, RELATIVE: SUMMARY, MOUSE: MALE

(2-YEAR STUDY)

ANIMAL : MOUSE 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
iontrol	37	45.0± 7.5	0.035± 0.010	0.479± 0.104	0.531± 0.089	0.559± 0.154	1.570± 0.370
200 ppm	33	38.0± 3.6	0.036± 0.007	0.543± 0.115	0.666± 0.070**	0.686± 0.262*	2.568± 4.344**
100 ppm	37	33.1± 3.1**	0.040± 0.012	0.647± 0.179**	0.707± 0.070**	0.705± 0.232**	2.332± 1.305**
800 ppm	40	30.4± 2.3**	0.041± 0.010*	0.629± 0.099**	0.744± 0.127**	0.776± 0.174**	2.093± 0.940**

(HCL042)

BAIS3

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 SEX : MALE UNIT: % ORGAN WEIGHT: RELATIVE (SUMMARY) SURVIVAL ANIMALS (105W)

Group Name	NO. of Animals	SPLEEN	LIVER	BRAIN		1.75
Control	37	0.223± 0.263	3.932± 1.227	1.060± 0.208		
200 ppm	33	0.365± 0.296**	10.967± 6.096**	1.243± 0.131*		
400 ppm	37	0.499± 0.463**	13.726± 6.251**	1.378± 0.137**	•	
800 ppm	40	0.425± 0.455**	17.765± 2.527**	1.437± 0.106**		
	nt difference;	*: P ≤ 0.05 **:	P ≤ 0.01	Test of Dunnett		
(HCL042)						RAICS

BAIS3

APPENDIX I 2

ORGAN WEIGHT, RELATIVE: SUMMARY, MOUSE: FEMALE

(2-YEAR STUDY)

STUDY NO.: 0297
ANIMAL: MOUSE Crj:BDF1
REPORT TYPE: A1

SEX : FEMALE UNIT: %

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

PAGE: 3

Group Name	NO. of Animals	Body Weight (g)	ADRENALS	OVARIES	HEART	LUNGS	KIDNEYS
Control	29	29.5± 3.6	0.058± 0.013	0.236± 0.216	0.657± 0.112	0.883± 0.219	1.792± 0.446
200 ppm	30	28.9± 3.2	0.052± 0.010	0.173± 0.296	0.736± 0.197	0.869± 0.178	1.897± 0.280
400 ppm	21	27.4± 2.1	0.049± 0.009	0.402± 1.077**	0.759± 0.081**	0.971± 0.708	2.076± 0.201**
800 ppm	22	23.9± 2.0**	0.055± 0.015	0.069± 0.045**	0.781± 0.064**	0.996± 0.264*	2.060± 0.209**

ANIMAL : MOUSE Crj:BDF1

22

 0.423 ± 0.310

23.630± 3.033**

REPORT TYPE : A1
SEX : FEMALE
UNIT: %

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

Group Name	NO. of Animals	SPLEEN	LIVER	BRAIN
Control	29	0.649± 0.566	5.401± 1.364	1.687± 0.246
200 ppm	30	1.042± 1.107	18.855± 6.985**	1.634± 0.173
400 ppm	21	0.746± 0.497	25.804± 3.731**	1.628± 0.116

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

1.808± 0.168*

(HCL042)

800 ppm

BAIS 3

APPENDIX J1

HISTOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS: SUMMARY,

MOUSE: MALE: ALL ANIMALS

(2-YEAR STUDY)

ANIMAL : MOUSE Cri:BDF1

REPORT TYPE : A1 SEX : MALE

HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)

ALL ANIMALS (0-105W)

PAGE: 1 Group Name Control 200 ppm 400 ppm 800 ppm No. of Animals on Study 50 50 50 Findings_ Organ_ [Integumentary system/appandage] skin/app ⟨50⟩ **<49>** ⟨50⟩ ulcer 0 0 0 0 (0)(2)(0)(0) (0)(0)(2)(0) (0)(0)(0)(0) (0)(0)(0)(0) hyperplasia:epidermis 0 (0)(0)(0)(0) (0)(0)(0)(0) (2)(2)(0)(0) (0)(0)(0)(0) [Respiratory system] nasal cavit <50> <50> epidermal cyst 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 13 0 ** (58) (2) (0) (0) (26) (0) (0) (0) (4)(2)(0)(0) (8) (0) (0) (0) eosinophilic change:respiratory epithelium 1 12 2 (16) (0) (0) (0) (6)(2)(0)(0) (14) (4) (0) (0) (24) (4) (0) (0) respiratory metaplasia:olfactory epithelium 11 0 0 0 21 0 0 0 17 0 0 (22) (0) (0) (0) (42) (0) (0) (0) (35) (0) (0) (0) (22) (74) (0) (0) respiratory metaplasia:gland 16 10 (8) (4) (0) (0) (32) (20) (0) (0) (4)(0)(0)(0) (28) (0) (0) (0) Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe

<a>>

a: Number of animals examined at the site

b (c)

b: Number of animals with lesion

c:b/a*100

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

(HPT150)

BAIS3

ANIMAL : MOUSE Crj:BDF1

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

REPORT TYPE : A1

SEX : MALE PAGE: 2

Organ	Findings	Group Name Control No. of Animals on Study 50 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 50 1 2 3 4 (%) (%) (%) (%)	400 ppm 49 1 2 3 4 (%) (%) (%) (%)	800 ppm 50 1 2 3 4 (%) (%) (%) (%)
[Respiratory:	system]				
nasal cavit	necrosis:respiratory epithelium	<50> 1 0 0 0 (2) (0) (0) (0)	(50) 0 0 0 0 (0) (0) (0) (0)	<49> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(50) 1 0 0 0 (2) (0) (0) (0)
	thickening of bone	0 0 0 0 0	0 0 0 0 0 (0) (0)	0 0 0 0 0 0 (0) (0)	41 3 0 0 ** (82) (6) (0) (0)
tung	congestion	<50> 2 0 0 0 (4) (0) (0) (0)	(50) 1 0 0 0 (2) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)	(50) 1 0 0 0 (2) (0) (0) (0)
	hemorrhage	1 0 0 0 0 (2) (0) (0) (0)	0 2 0 0 (0) (4) (0) (0)	0 0 0 0 0 (0) (0) (0)	0 0 0 0 0 (0) (0)
	edema	1 0 0 0 0 0 (2) (0) (0) (0)	0 0 0 0 0 (0) (0)	0 1 0 0 (0) (2) (0) (0)	0 0 0 0 0 (0) (0)
	thronibus	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 1 0 0 (2) (2) (0) (0)	0 0 0 0 0 (0) (0)	1 1 0 0 (2) (2) (0) (0)
	inflammatory infiltration	1 1 0 0 (2) (2) (0) (0)	0 0 0 0 0	2 0 0 0 0 (4) (0) (0) (0)	3 0 0 0 0 (6) (6) (0) (0)
	granulation	0 0 0 0 0 0 (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)

<a>>

a: Number of animals examined at the site

b: Number of animals with lesion b (c)

c:b/a * 100

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

(HPT150)

HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)

ANIMAL : MOUSE Cri:BDF1 REPORT TYPE : A1

: MALE

ALL ANIMALS (0-105W)

Group Name Control 200 ppm 400 ppm 800 ppm No. of Animals on Study 50 50 49 50 Grade Findings_ (%) (%) [Respiratory system] lung ⟨50⟩ perivascular inflammation 1 1 0 0 (2)(0)(0)(0) (0)(2)(0)(0) (6)(0)(0)(0) (4)(2)(0)(0) accumulation of foamy cells 0 0 (0)(2)(0)(0) (0)(0)(0)(0) (2)(0)(0)(0) (14) (4) (0) (0) bronchiplar-alveolar cell hyperplasia (2)(0)(0)(0) (2)(2)(0)(0) (8) (0) (0) (0) (2)(0)(0)(0) hyperplasia:epithelium,alveolar duct (0)(0)(0)(0) (0)(0)(0)(0) (2)(0)(0)(0) (0)(0)(0)(0) [Hematopoietic system] bone marrow <50> <50> **<49>** necrosis:focal 0 0 0 1 0 0 0 (0)(2)(0)(0) (2)(0)(0)(0) (0)(0)(0)(0) (2)(0)(0)(0) accumulation of foamy cells 0 (0)(0)(0)(0) (0)(0)(0)(0) (2)(0)(0)(0) (0)(0)(0)(0) myelafibrasis 0 1 0 2 0 0 0 1 0 0 (0)(2)(0)(0) (0)(4)(0)(0) (0)(2)(0)(0) (2)(2)(0)(0) Grade 1: Slight 2 : Moderate 3 : Marked 4 : Severe (a) a: Number of animals examined at the site b: Number of animals with lesion b

(HPT150)

(c)

c:b/a*100

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

BAIS3

STUDY NO. : 0297 ANIMAL : MOUSE C-j:BDF1

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

REPORT TYPE : A1
SEX : MALE

0rgan		p Name Control of Animals on Study 50 9 1 2 3 4 (%) (%) (%) (%)	200 ppm 50 1 2 3 4 (%) (%) (%) (%)	400 ppm 49 1 2 3 4 (%) (%) (%) (%)	800 ppm 50 1 2 3 4 (%) (%) (%) (%)
[Hematopoieti	c system]				
bone marrow	erythropoiesis:increased	<50> 0 0 0 0 (0) (0) (0) (0)	(50) 1 0 0 0 (2) (0) (0) (0)	2 0 0 0 (4) (0) (0) (0)	(50) 0 0 0 0 (0) (0) (0) (0)
	hyperplasia:vascular	0 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 0 0 0 0 (2) (3) (6) (7)	0 1 0 0 (0) (0)
lymph nade	hemorrhage	<50> 0 0 0 0 (0) (0) (0) (0)	(50) 1 0 0 0 (2) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)	(50) 0 0 0 0 (0) (0) (0) (0)
	mastcell hyperplasia	0 1 0 0 (0) (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)
	lymphadenitis	0 0 0 0 0 0 0 0 0 0 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 0 0 0 0 (2) (0) (0) (0)
	follicular hyperplasia	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 0 (0) (0)	1 0 0 0 0 (2) (0) (0) (0)
pleen	atrophy	(50) 1 0 0 0 (2) (0) (0) (0)	2 1 0 0 (4) (2) (0) (0)	(49) 1 0 0 0 (2) (0) (0) (0)	(50) 1 2 0 0 (2) (4) (0) (0)
rade a > b	1: Slight 2: Moderate 3: Ma a: Number of animals examined at the site b: Number of animals with lesion c: b / a * 100 lifference; $*: P \le 0.05$ **: $P \le 0.0$				

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

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1

SEX

: MALE

Organ	Findings	Group Name Control No. of Animals on Study 50 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 50 1 2 3 4 (%) (%) (%) (%)	400 ppm 49 1 2 3 4 (%) (%) (%) (%)	800 ppm 50 1 2 3 4 (%) (%) (%) (%)
[Hematopoie	tic system]		,		
spleen	angiectasis	<50> 0 0 0 0 (0) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<pre></pre>	<50> 0 0 0 0 (0) (0) (0) (0)
	deposit of melanin	2 0 0 0 0 (4) (0) (0) (0)	0 0 0 0 0 (0) (0) (0)	1 0 0 0 (2) (0) (0) (0)	2 0 0 0 0 (4) (0) (0) (0)
	extramedullary hematopoiesis	2 0 1 0 (4) (0) (2) (0)	9 6 3 0 ** (18) (12) (6) (0)	4 5 3 0 * (8) (10) (6) (0)	10 4 2 0 ** (20) (8) (4) (0)
	hyperplasia:vascular	0 0 0 0 0 (0) (0)	2 0 0 0 0 (4) (0) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)
	follicular hyperplasia	5 2 0 0 (10) (4) (0) (0)	3 0 0 0 0 (6) (6) (0) (0)	3 5 1 0 (6) (10) (2) (0)	2 0 0 0 0 (4) (0) (0) (0)
[Circulator:	y system]				
heart	thrombus	(50) 0 0 0 0 (0) (0) (0) (0)	0 1 0 0 (0) (2) (0) (0)	0 1 0 0 (0) (2) (0) (0)	(50) 1 0 0 0 (· 2) (0) (0) (0)
	mineralization	0 0 0 0 0 (0) (0)	2 0 0 0 0 (4) (0) (0) (0)	1 0 0 0 0 (2) (0) (0) (0)	2 0 0 0 0 (4) (0) (0) (0)
Grade <a>> b <a>c a > c a	1: Slight 2: Moderate a: Number of animals examined at the b: Number of animals with lesion c: b / a * 100 difference; *: P ≤ 0.05 **: F	3 : Marked 4 : Severe site 2 ≤ 0.01 Test of Chi Square			

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

ANIMAL : MOUSE Crj:BDF1 REPORT TYPE : A1 SEX

: MALE

0rgan		p Name Control of Animals on Study 50 e 1 2 3 4 (%) (%) (%) (%)	200 ppm 50 1 2 3 4 (%) (%) (%) (%)	400 ppm 49 1 2 3 4 (%) (%) (%) (%)	800 ppm 50 1 2 3 4 (%) (%) (%) (%)
[Circulatory :	system]				
heart	inflammatory cell nest	<50> 0 0 0 0 (0) (0) (0) (0)	(50) 1 0 0 0 (2) (0) (0) (0)	<49> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<50> 2 0 0 0 (4) (0) (0) (0)
	arteritis	0 1 0 0 (0) (2) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)
[Digestive sy	stem]				
tooth	dysplasia	<50> 14 1 0 0 (28) (2) (0) (0)	(50) 19 2 0 0 (38) (4) (0) (0)	23 0 0 0 (47) (0) (0) (0)	<pre></pre>
tongue	arteritis	<50> 0 1 0 0 (0) (2) (0) (0)	(50) 0 1 0 0 (0) (2) (0) (0)	<49> 0	<50> 0 0 0 0 (0) (0) (0) (0)
salivary gl	lymphocytic infiltration	<50> 35 0 0 0 (70) (0) (0) (0)	33 1 0 0 (66) (2) (0) (0)	38 0 0 0 (78) (0) (0) (0)	<50> 27 0 0 0 (54) (0) (0) (0)
stomach	mineralization	<50> 1 0 0 0 (2) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<49> 0 0 0 0 0 0 0 0 0 0 0	<50> 0 0 0 0 (0) (0) (0) (0)
<a>> b (c)	1: Slight 2: Moderato 3: Ma a: Number of animals examined at the site b: Number of animals with lesion c: b/a * 100 lifference; $*: P \le 0.05$ **: $P \le 0.05$				

(HPT150)

BAIS3

HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)

: MOUSE Cri:BDF1

ALL ANIMALS (0-105W)

REPORT TYPE : A1

ANIMAL

: MALE

Group Name Control 200 ppm 400 ppm 800 ppm No. of Animals on Study 50 50 49 50 Grade Findings (%) (%) (%) (%) (%) 0rgan (%) (%) (%) (%) [Digestive system] stomach <50> <50> arteritis 1 0 0 0 0 (0)(0)(2)(0) (0)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) erosion:forestomach 0 0 0 0 (0)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) (2)(2)(0)(0) hyperplasia: forestomach (6)(0)(0)(0) (0)(0)(0)(0) (8)(2)(0)(0) (2)(2)(0)(0) erosion:glandular stomach (2)(0)(0)(0) (2)(2)(0)(0) (2)(2)(0)(0) (0)(4)(0)(0) hyperplasia:glandular stomach 17 23 1 0 29 31 24 (34) (46) (2) (0) (34) (58) (2) (0) (29) (63) (2) (0) (36) (48) (6) (0) liver <50> <50> <49> <50> angiectasis 0 0 0 0 0 0 0 0 0 0 0 1 0 (4)(0)(0)(0) (2)(0)(0)(0) (0)(0)(0)(0) (0)(0)(2)(0) necrosis:central 1 1 2 0 2 0 0 2 0 0 0 0 1 (2)(2)(4)(0) (0)(4)(0)(0) (2)(4)(0)(0) (0)(0)(0)(2) necrosis:focal 6 1 1 0 14 2 0 (12) (2) (2) (0) (28) (6) (0) (0) (4) (10) (4) (0) (0)(0)(0)(0)

1: Slight

2 : Moderate

3 : Marked

4 : Severe

(a) b

a: Number of animals examined at the site

(c)

b: Number of animals with lesion

c:b/a*100

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

(HPT150)

BAIS3

Grade

ANIMAL : MOUSE Crj:BDF1 REPORT TYPE : A1 : MALE

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

PAGE: 8

0rgan	Findings	Group Name Control No. of Animals on Study 50 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 50 1 2 3 4 (%) (%) (%) (%)	400 ppm 49 1 2 3 4 (%) (%) (%) (%)	800 ppm 50 1 2 3 4 (%) (%) (%) (%)
[Digestive	system]			·	
liver	necrosis:single cell	\(\frac{50}{22} \) (22) (2) (0) (0)	23 15 0 0 ** (46) (30) (0) (0)	<pre></pre>	(50) 6 42 0 0 ** (12) (84) (0) (0)
	mineralization	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0) (0)	0 0 0 0 0 (0) (0)	1 0 0 0 0 (2) (0) (0) (0)
	inflammatory infiltration	0 0 0 0 0 (0) (0)	0 1 0 0 (0) (2) (0) (0)	1 0 0 0 0 (2) (0) (0) (0)	1 0 0 0 0 (2) (0) (0)
	lymphocytic infiltration	0 0 0 0 0 (0) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0) (0)	1 0 0 0 0 (2) (0) (0) (0)
	inflammatory cell nest	15 0 0 0 (30) (0) (0) (0)	37 0 0 0 ** (74) (0) (0) (0)	42 0 0 0 ** (86) (0) (0) (0)	47 1 0 0 *** (94) (2) (0) (0)
	fibrosis:focal	0 1 0 0 (0) (2) (0) (0)	0 0 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 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0) (0)	0 1 0 0 (0) (2) (0) (0)
	extramedullary hematopoiesis	0 0 0 0 0 (0) (0) (0)	0 0 0 0 0 (0) (0) (0)	1 0 0 0 (2) (0) (0) (0)	1 0 0 0 (2) (0) (0) (0)

b (c)

< a >

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

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

c:b/a*100

ANIMAL : MOUSE Crj:BDF1 HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY) ALL ANIMALS (0-105W)

REPORT TYPE : A1

: MALE

Group Name Control 200 ppm 400 ppm 800 ppm No. of Animals on Study 50 50 49 50 Grade (%) (%) (%) (%) (%) Organ_ Findings [Digestive system] Liver <50> <50> **〈49〉** clear cell focus 2 0 16 2 10 5 12 1 0 ** 1 0 * 0 0 ** (0)(4)(4)(0) (8) (32) (2) (0) (4)(20)(2)(0) (10) (24) (0) (0) acidophilic cell focus 1 18 22 1 22 19 0 ** (2) (0) (0) (0) (6) (30) (40) (0) (2) (37) (45) (0) (2) (44) (38) (0) basophilic cell focus (4)(2)(2)(0) (0)(4)(0)(0) (6)(2)(0)(0) (2)(6)(2)(0) vacuolated cell focus (0)(2)(0)(0) (2)(2)(0)(0) (4)(2)(0)(0) (4)(0)(0)(0) cholangiofibrosis 0 0 0 2 0 0 0 0 (0)(0)(0)(0) (0)(0)(0)(0) (2) (0) (0) (0) (4)(0)(0)(0) swelling:central 27 12 0 0 ** 10 31 0 0 ** (0)(0)(0)(0) (54) (24) (0) (0) (20) (63) (0) (0) (8) (86) (2) (0) biliary cyst (2)(2)(0)(0) (2)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) nuclear atypia:central 16 26 25 (0)(0)(0)(0) (56) (10) (0) (0) (33) (53) (0) (0) (50) (40) (0) (0)

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

(HPT150)

BAIS3

Grade 1: Slight

^{2 :} Moderate

a: Number of animals examined at the site

^{3 :} Marked

^{4 :} Severe

⁽a) b b: Number of animals with lesion

⁽c) c:b/a*100

HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)

ANIMAL : MOUSE Cr-j:BDF1 ALL ANIMALS (0-105W)

REPORT TYPE : A1
SEX : MALE

Organ		Up Name	200 ppm 50 1 2 3 4 (%) (%) (%) (%)	400 ppm 49 1 2 3 4 (%) (%) (%)	800 ppm 50 1 2 3 4 (%) (%) (%) (%)
[Digestive sy	ystem]				
gall bladd	cyst	<50> 1 0 0 0 (2) (0) (0) (0)	2 0 0 0 (4) (0) (0) (0)	49> 1 0 0 0 (2) (0) (0) (0)	(50) 1 0 0 0 (2) (0) (0) (0)
pancreas	atrophy	<50> 0 0 0 0 (0) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<49> 1 0 0 0 (2) (0) (0) (0)	<50> 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 0 0 (0) (0)	1 0 0 0 0 (2) (0) (0) (0)
	inflammatory infiltration	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0) (0)	0 0 0 0 0 (0) (0) (0)	1 0 0 0 0 (2) (0) (0) (0)
[Urinary sys	tem]				
kidney	thrombus	(50) 0 0 0 0 (0) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)	(50) 1 0 0 0 (2) (0) (0) (0)
	infarct	1 0 1 0 (2) (0) (2) (0)	1 0 0 0 (2) (0) (0) (0)	3 0 0 0 0 (6) (6) (70) (70)	1 0 0 0 0 (2) (0) (0) (0)
Grade <a>> b (c) Significant	1: Slight 2: Moderate 3: Namber of animals examined at the site b: Number of animals with lesion c: b/a * 100 difference; *: $P \le 0.05$ **: $P \le 0.05$	farked 4: Severe 01 Test of Chi Square	-		
(HPT150)					BAIS

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

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1
SEX : MALE

PAGE: 11

Organ	Findings	Group Name Control No. of Animals on Study 50 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 50 1 2 3 4 (%) (%) (%) (%)	400 ppm 49 1 2 3 4 (%) (%) (%)	800 ppm 50 1 2 3 4 (%) (%) (%) (%)
[Urinary sy	/stem]				
kidney	cyst	<50> 0 0 0 0 (0) (0) (0) (0)	(50) 1 0 0 0 (2) (0) (0) (0)	2 0 0 0 (4) (0) (0) (0)	(50) 0 1 0 0 (0) (2) (0) (0)
	hyaline droplet	0 1 0 0 (0) (0) (0)	1 1 0 0 (2) (2) (0) (0)	5 0 0 0 * (10) (0) (0) (0)	5 0 0 0 * (10) (0) (0) (0)
	basophilic change	5 1 0 0 (10) (2) (0) (0)	4 0 0 0 0 (8) (0) (0) (0)	5 0 0 0 (10) (0) (0) (0)	2 0 0 0 0 (4) (0) (0) (0)
	deposit of amyloid	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 0 1 0 (0) (2) (0)	0 0 0 0 0 (0) (0) (0)
	deposit of hemosiderin	0 0 0 0 0 (0) (0)	1 3 0 0 (2) (6) (0) (0)	0 3 0 0 (0) (6) (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 0 0 0 (0) (0) (0)	1 0 0 0 0 (2) (0) (0) (0)
	lymphocytic infiltration	0 0 0 0 0 (0) (0) (0)	0 0 0 0 0 (0) (0)	1 0 0 0 (2) (0) (0) (0)	2 0 0 0 0 (4) (0) (0) (0)
	inflammatory cell nest	1 0 0 0 (2) (0) (0) (0)	0 0 0 0 0 (0) (0) (0)	0 0 0 0 0 (0) (0)	1 0 0 0 0 (2) (0) (0) (0)

(HPT150)

<a>>

b

(c)

a : Number of animals examined at the site

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

b: Number of animals with lesion

c:b/a*100

BAIS3

PAGE: 12

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 SEX : MALE

< a >

b

STUDY NO. : 0297

ALL ANIMALS (0-105W)

)rgan	Findings	Group Name Control No. of Animals on Study 50 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 50 1 2 3 4 (%) (%) (%) (%)	400 ppm 49 1 2 3 4 (%) (%) (%) (%)	800 ppm 50 1 2 3 4 (%) (%) (%) (%)
Urinary syst	em]				
cidney	inflammatory polyp	<50> 0 0 1 0 (0) (0) (2) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	0 1 1 0 (0) (2) (2) (0)	(50) 0 0 0 0 (0) (0) (0) (0)
	hydronephrosis	3 0 1 0 (6) (0) (2) (0)	0 0 1 0 (0) (0) (0)	0 0 3 0	0 1 1 0 (0) (2) (2) (0)
	mineralization:papilla		0 0 0 0 0 (0) (0)	0 0 0 0 0 0 (0) (0)	1 0 0 0 0 (2) (0) (0) (0)
	dilatation:tubular lumen	0 1 0 0 (0) (2) (0) (0)	1 0 0 0 0 (2) (0) (0) (0)	1 0 0 0 0 (2) (0) (0)	0 0 0 0 0 0 (0)
rin bladd	ulcer	<50> 0 0 0 0 (0) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<49> 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(50) 0 0 1 0 (0) (0) (2) (0)
	hemorrhage	1 0 0 0 0 (2) (0) (0) (0)	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	lymphocytic infiltration	1 0 0 0 0 (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)
(Endocrine s)	vstem]				
oituitary	angiectasis	<50> 0 0 0 0 (0) (0) (0) (0)	\(\frac{50}{1} \) \(1 \) \(0 \) \(2 \) \(0 \) \(0 \) \(0 \) \(0 \)	<48> 0 0 0 0 0 0 0 0 0 0 0	<50> 0 0 0 0 (0) (0) (0) (0)

(c) c:b/a * 100 Significant difference: $*: P \le 0.05$ **: $P \le 0.01$ Test of Chi Square

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

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

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1

: MALE

PAGE: 13

Organ	Findings	Group Name Control No. of Animals on Study 50 Grade 1 2 3 4 (%) (%) (%)	200 ppm 50 1 2 3 4 (%) (%) (%) (%)	400 ppm 49 1 2 3 4 (%) (%) (%) (%)	800 ppm 50 1 2 3 4 (%) (%) (%) (%)
[Endocrine s	ystem]				
pituitary	cyst	500 0 0 0 (10) (0) (0) (0)	(50) 4 0 0 0 (8) (0) (0) (0)	(48) 0 0 0 0 (0) (0) (0) (0)	<pre></pre>
	hyperplasia	0 0 0 0 0 (0) (0)	2 0 0 0 0 (4) (0) (0) (0)	2 0 0 0 0 (4) (0) (0) (0)	1 0 0 0 0 (2) (0) (0) (0)
	Rathke pouch	1 0 0 0 (2) (0) (0) (0)	1 0 0 0 (2) (0) (0) (0)	2 0 0 0 0 (4) (0) (0) (0)	0 0 0 0 0 (0) (0)
thvroid	arteritis	<50> 0 1 0 0 (0) (2) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<48> 0 0 0 0 0 0 0 0 0 0 0	<50> 0 0 0 0 (0) (0) (0) (0)
adrenal	hemorrhage	<50> 0 0 0 0 (0) (0) (0) (0)	(50) 1 0 0 0 (2) (0) (0) (0)	<49> 0 0 0 0 0 0 0 0 0 0 0 0	<50> 0 0 0 0 (0) (0) (0) (0)
	spindle-cell hyperplasia	31 0 0 0 (62) (0) (0) (0)	31 0 0 0 (62) (0) (0) (0)	28 1 0 0 (57) (2) (0) (0)	26 0 0 0 (52) (0) (0) (0)
	hyperplasia:cortical cell	9 0 0 0 (18) (0) (0) (0)	5 1 0 0 (10) (2) (0) (0)	3 4 0 0 * (6) (8) (0) (0)	0 0 0 0 ***
Grade <a>> b (c) Significant	1: Slight 2: Moderate 3 a: Number of animals examined at the s b: Number of animals with lesion c: b / a * 100 difference; *: P ≤ 0.05 **: P:				

(HPT150)

STUDY NO. : 0297 ANIMAL : MOUSE Crj:BDF1 HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)

ALL ANIMALS (0-105W)

REPORT TYPE : A1 SEX : MALE

Organ	Group No. of Grade Findings	Name Control f Animals on Study 50 \(\frac{1}{\(\frac{2}{\(\frac{3}{\(\frac{4}{\(\frac{4}{\(\frac{1}{\}}}}}}}} \) \right)} \right)} \right. \} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	200 ppm 50 1 2 3 4 (%) (%) (%) (%)	400 ppm 49 1 2 3 4 (%) (%) (%) (%)	800 ppm 50 1 2 3 4 (%) (%) (%) (%)
(Endocrine :	system]				
adrena l	hyperplasia:medulla	(50> 1 0 0 0 (2) (0) (0) (0)	(50) 0 0 0 0 (0) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)
	focal fatty change:cortex	0 0 0 0 0 0 (0) (0)	1 0 0 0 0 (2) (0) (0)	1 0 0 0 0 (2) (0) (0)	0 0 0 0 0 0
[Reproducti	ue system]				
testis	atrophy	(50) 1 0 0 0 (2) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	49> 1 0 0 0 (2) (0) (0) (0)	<pre></pre>
	mineralization	1 0 0 0 0 (2) (0) (0) (0)	2 0 0 0 0 (4) (0) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)
	interstitial cell hyperplasia	1 0 0 0 0 (2) (0) (0)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	spermatogenic granuloma	1 0 0 0 0 (2) (0) (0)	2 0 0 0 0 (4) (0) (0) (0)	0 0 0 0 0 0 (0) (0)	1 0 0 0 0 (2) (0) (0) (0)
	xanthogranuloma	1 0 0 0 0 (2) (0) (0)	0 1 0 0 (0) (0)	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 (0)
Grade (a > b (c)	1: Slight 2: Moderate 3: Mark a: Number of animals examined at the site b: Number of animals with lesion c: b / a * 100 difference; *: P ≤ 0.05 **: P ≤ 0.01				

HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)

ANIMAL : MOUSE Crj:BDF1

ALL ANIMALS (0-105W)

REPORT TYPE : A1 SEX : MALE

Organ		po Name Control of Animals on Study 50 de	200 ppm 50 1 2 3 4 (%) (%) (%) (%)	400 ppm 49 1 2 3 4 (%) (%) (%) (%)	800 ppm 50 1 2 3 4 (%) (%) (%) (%)
Reproductive	e system]				
epididymis	lymphocytic infiltration	(50> 1 0 0 0 (2) (0) (0) (0)	(50) 0 0 0 0 (0) (0) (0) (0)	<49> 0 0 0 0 (0) (0) (0) (0)	\(\langle 50 \rangle \) \(0 \) \(0 \) \(0 \) \(0 \) \(0 \) \(0 \)
	spermatogenic granuloma	3 0 0 0 0 (6) (6) (7)	5 0 0 0 (10) (0) (0) (0)	0 0 0 0 0 (0) (0)	0 1 0 0 (0) (0)
	xanthogranuloma	0 0 0 0 0 0 (0) (0)	1 0 0 0 0 (2) (0) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)
emin ves	cyst	<50> 0 2 0 0 (0) (4) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<49> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(50) 0 0 0 0 (0) (0) (0) (0)
	xanthosranuloma	0 0 0 0 0 0 (0)	1 0 0 0 0 (2) (0) (0) (0)	0 0 0 0 0 (0)	0 0 0 0 0 (0)
rostate	inflammation	<50> 1 0 0 0 (2) (0) (0) (0)	(50) 0 0 0 0 (0) (0) (0) (0)	(49) 1 0 0 0 (2) (0) (0) (0)	(50) 0 0 0 0 (0) (0) (0) (0)
	spermatogenic granuloma	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0) (0)	0 1 0 0 (0) (0)
Grade (a > b	1: Slight 2: Moderate 3: M a: Number of animals examined at the site b: Number of animals with lesion c: b / a * 100 difference; *: P ≤ 0.05 **: P ≤ 0.			·	

(HPT150)

BAIS3

HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)

ALL ANIMALS (0-105W)

ANIMAL : MOUSE Crj:BDF1 REPORT TYPE : A1 SEX

: MALE

PAGE: 16

0rgan	N	iroup Name Control o. of Animals on Study 50 irade 1 2 3 4 (%) (%) (%) (%)	200 ppm 50 1 2 3 4 (%) (%) (%) (%)	400 ppm 49 1 2 3 4 (%) (%) (%) (%)	800 ppm 50 1 2 3 4 (%) (%) (%) (%)
[Nervous sys	tem]				
brain	hemorrhage	<50> 0 0 0 0 (0) (0) (0) (0)	\(\frac{50}{0} \) \(1 0 0 0 \\ (2) (0) (0) (0) (0) \end{array}	<49> 0 0 0 0 0 0 0 0 0 0 0	<50> 0 0 0 0 (0) (0) (0) (0)
	mineralization	38 0 0 0 (76) (0) (0) (0)	31 0 0 0 (62) (0) (0) (0)	29 0 0 0 (59) (0) (0) (0)	29 0 0 0 (58) (0) (0) (0)
[Special sens	se organs/appendage]				
еуе	cataract	<50> 4 0 0 0 (8) (0) (0) (0)	<50> 4 0 0 0 (8) (0) (0) (0)	3 0 0 0 (6) (0) (0) (0)	(50) 6 0 0 0 (12) (0) (0) (0)
	retinal atrophy	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 1 0 0 (0) (2) (0) (0)	0 0 0 0 0 (0) (0)
	keratitis	0 0 0 0 0 (0) (0)	1 0 0 0 0 (2) (0) (0)	1 0 0 0 0 (2) (0) (0)	0 1 0 0 (0) (0)
	degeneration:comea	2 0 0 0 0 (4) (6) (6)	2 0 0 0 0 (4) (0) (0) (0)	1 0 0 0 0 (2) (0) (0)	1 0 0 0 0 (2) (0) (0) (0)
Harder gl	degeneration	<50> 0 0 0 0 (0) (0) (0) (0)	<50> 3 0 0 0 (6) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)	(50) 1 0 0 0 (2) (0) (0) (0)
Grade (a > b (c) Significant	1: Slight 2: Moderate 3: a: Number of animals examined at the sit b: Number of animals with lesion c: b / a * 100 difference; *: P ≤ 0.05 **: P ≤				

(HPT150)

BAIS3

ANIMAL : MOUSE Crj:BDF1

HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)

REPORT TYPE : A1 : MALE

ALL ANIMALS (0-105W)

Group Name Control 200 ppm 400 ppm 800 ppm No. of Animals on Study 50 49 50 Grade Findings [Special sense organs/appendage] Harder gl <50> hyperplasia 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) [Body cavities] peritoneum <50> inflammation 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) adipose <50> <50> <49> <50> granulation 0 0 0 0 0 0 0 0 2 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*100Significant difference ; * : $P \le 0.05$ ** : $P \le 0.01$ Test of Chi Square

(HPT150)

BAIS3

APPENDIX J 2

HISTOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS: SUMMARY, MOUSE: MALE: DEAD AND MORIBUND ANIMALS (2-YEAR STUDY)

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 SEX : MALE

HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)

DEAD AND MORIBUND ANIMALS (0-105W)

PAGE: 1 Group Name Control 200 ppm 400 ppm 800 ppm No. of Animals on Study 13 17 12 10 Findings (%) (%) (%) (%) (%) (%) [Integumentary system/appandage] skin/app <13> <17> <12> <10> ulcer 0 0 1 0 0 (0)(0)(0)(0) (0)(0)(6)(0) (0)(0)(0)(0) (0)(0)(0)(0) hyperplasia:epidermis 0 (0)(0)(0)(0) (0)(0)(0)(0) (8)(0)(0)(0) (0)(0)(0)(0) [Respiratory system] nasal cavit <13> <17> <10> epidermal cyst 0 0 0 (8)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) ensinophilic change:olfactory epithelium 0 * (38) (8) (0) (0) (24) (0) (0) (0) (0)(0)(0)(0) (10) (0) (0) (0) ecsinophilic change:respiratory epithelium 3 (8)(0)(0)(0) (0)(6)(0)(0) (25) (0) (0) (0) (30) (0) (0) (0) respiratory metaplasia:olfactory epithelium 0 0 1 8 (23) (0) (0) (0) (41) (0) (0) (0) (17) (0) (0) (0) (10) (80) (0) (0) respiratory metaplasia:gland 2 (8)(0)(0)(0) (12) (29) (0) (0) (0)(0)(0)(0) (20) (0) (0) (0) Grade 1: Slight 2 : Moderate 3 : Marked 4 : Severe (a) a: Number of animals examined at the site b b: Number of animals with lesion (c) c:b/a*100

(HPT150)

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

: MOUSE Crj:BDF1 ANIMAL

REPORT TYPE : A1 SEX : MALE

HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)

DEAD AND MORIBUND ANIMALS (0-105W)

Organ	Findings	Group Name Control No. of Animals on Study 13 Grade 1 2 3 4	200 ppm 17 1 2 3 4 (%) (%) (%) (%)	400 ppm 12 1 2 3 4 (%) (%) (%) (%)	800 ppm 10 1 2 3 4 (%) (%) (%) (%)
[Respiratory	system]				
nasal cavit	thickening of bone	(13) 0 0 0 0 (0) (0) (0) (0)	(17) 0 0 0 0 (0) (·0) (0) (0)	<12> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<10> 8
lung	congestion	2 0 0 0 (15) (0) (0) (0)	1 0 0 0 (6) (0) (0) (0)	<12> 0 0 0 0 (0) (0) (0) (0)	1 0 0 0 (10) (0) (0) (0)
	hemorrhage	1 0 0 0 0 (8) (0) (0) (0)	0 1 0 0 (0) (0)	0 0 0 0 0 (0) (0) (0)	0 0 0 0 0 (0) (0)
	edema	1 0 0 0 (8) (0) (0) (0)	0 0 0 0 0 (0) (0)	0 1 0 0 (0) (8) (0) (0)	0 0 0 0 0 (0) (0) (0)
	thrombus	0 0 0 0 0 (0) (0)	0 1 0 0 (0) (6) (0) (0)	0 0 0 0 0 (0) (0) (0)	0 1 0 0 (0) (10) (0)
	inflammatory infiltration	1 1 0 0 (8) (8) (0) (0)	0 0 0 0 0 (0) (0) (0)	1 0 0 0 (8) (0) (0) (0)	1 0 0 0 (10) (0) (0) (0)
	perivascular inflammation	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	1 0 0 0 (8) (0) (0) (0)	0 0 0 0 0 (0) (0)
	bronchiolar—alveolar cell hyperplasia	1 0 0 0 (8) (0) (0) (0)	1 0 0 0 (6) (0) (0) (0)	0 0 0 0 0 (0) (0) (0)	0 0 0 0

Grade 1:Slight 2 : Moderate

3 : Marked

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

b: Number of animals with lesion

(c) c:b/a * 100

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

(HPT150)

^{4 :} Severe

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 SEX : MALE

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

Organ		Name Control f Animals on Study 13 1 2 3 4 (%) (%) (%) (%)	200 ppm 17 1 2 3 4 (%) (%) (%) (%)	400 ppm 12 1 2 3 4 (%) (%) (%) (%)	800 ppm 10 1 2 3 4 (%) (%) (%) (%)
[Hematopoieti	c system]				
bone marrow	necrosis:focal	(13) 1 0 0 0 (8) (0) (0) (0)	<17> 0 1 0 0 (0) (6) (0) (0)	<12> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<10> 0 0 0 0 (0) (0) (0) (0)
	mvelofibrosis	0 0 0 0 0 (0) (0)	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	1 1 0 0 (10) (10) (0) (0)
	erythropoiesis:increased	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	2 0 0 0 (17) (0) (0) (0)	0 0 0 0 0 (0) (0) (0)
	hyperplasia:vascular	0 0 0 0 0 0 (0)	0 0 0 0 0 0 (0) (0) (0)	1 0 0 0 0 (8) (0) (0) (0)	0 0 0 0 0 (0) (0)
lymph nade	hemorrhage	<13> 0 0 0 0 (0) (0) (0) (0)	(17) 1 0 0 0 (6) (0) (0) (0)	<12> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<10> 0 0 0 0 (0) (0) (0) (0)
	mastcell hyperplasia	0 1 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)
spleen	atrophy	1 0 0 0 (8) (0) (0) (0)	<17> 2 1 0 0 (12) (6) (0) (0)	1 0 0 0 (8) (0) (0) (0)	\(\lambda 10 > \) \(1 2 0 0 \) \(10) (20) (0) (0) \)
Grade <a>> b (c) Significant d	1: Slight 2: Moderate 3: Mar a: Number of animals examined at the site b: Number of animals with lesion c: b / a * 100 Nifference: *: P ≤ 0.05 **: P ≤ 0.01				

Grade

(a)

b (c) 1 : Slight

2 : Moderate

a : Number of animals examined at the site

b: Number of animals with lesion c: b/a * 100

3 : Marked

4 : Severe

ANIMAL : MOUSE Crj:BDF1 REPORT TYPE : A1

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

REPORT TYPE SEX	· AL				PAGE:
Organ	Findings	Group Name Control No. of Animals on Study 13 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 17 1 2 3 4 (%) (%) (%) (%)	400 ppm 12 1 2 3 4 (%) (%) (%) (%)	800 ppm 10 1 2 3 4 (%) (%) (%) (%)
[Hematopoiet	cic system]				
spleen	extramedullary hematopoiesis	(13) 1 0 1 0 (8) (0) (8) (0)	3 4 1 0 (18) (24) (6) (0)	<12> 2 4 2 0 * (17) (33) (17) (0)	(10) 1 3 0 0 (10) (30) (0) (0)
	hyperplasia:vascular	(0) (0) (0) (0)	1 0 0 0 0 (6) (6) (7)	(0) (0) (0) (0)	0 0 0 0 0 0 (0) (0)
[Circulatory	/ system]				
heart	thrombus	<13> 0 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 0 0 (0) (8) (0) (0)	1 0 0 0 (10) (0) (0) (0)
	mineralization	0 0 0 0 0 (0)	1 0 0 0 0 (6) (6) (7)	1 0 0 0 0 (8) (0) (0) (0)	0 0 0 0 0 (0) (0)
	inflammatory cell nest	0 0 0 0 0 (0) (0)	1 0 0 0 0 (6) (6) (7)	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 (0)
	arteritis	0 1 0 0 (8) (0) (0)	0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
[Digestive s	system]				
tooth	dysplasia	1 0 0 0 (8) (0) (0) (0)	5 1 0 0 (29) (6) (0) (0)	6 0 0 0 (50) (0) (0) (0)	2 0 0 0 (20) (0) (0) (0)

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

ANIMAL : MOUSE Crj:BDF1 REPORT TYPE : A1

SEX : MALE

Organ	Findines	Group Name Control No. of Animals on Study 13 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 17 1 2 3 4 (%) (%) (%) (%)	400 ppm 12 12 3 4 (%) (%) (%) (%)	800 ppm 10 1 2 3 4 (%) (%) (%) (%)
[Digestive sy	rstem]				
tongue	arteritis	<13> 0 1 0 0 (0) (8) (0) (0)	<17> 0 1 0 0 (0) (6) (0) (0)	(12) 0 0 0 0 (0) (0) (0) (0)	(10) 0 0 0 0 (0) (0) (0) (0)
salivary gl	lymphocytic infiltration	4 0 0 0 (31) (0) (0) (0)	7 0 0 0 (41)(0)(0)(0)	5 0 0 0 (42) (0) (0) (0)	1 0 0 0 (10) (0) (0) (0)
stomach	arteritis	0 0 1 0 (0) (0) (8) (0)	<17> 0 0 0 0 (0) (0) (0) (0)	(12) 0 0 0 0 (0) (0) (0) (0)	<10> 0 0 0 0 (0) (0) (0) (0)
	hyperplasia:forestomach	1 0 0 0 0 (8) (0) (0) (0)	0 0 0 0 0 0 (0) (0)	0 1 0 0 0 (0) (0)	0 0 0 0 0
	hyperplasia:glandular stomach	6 2 0 0 (46) (15) (0) (0)	8 9 0 0 ** (47) (53) (0) (0)	7 4 0 0 (58) (33) (0) (0)	3 3 0 0 (30)(30)(0)(0)
liver	angiectasis	<13> 2 0 0 0 (15) (0) (0) (0)	<17> 1 0 0 0 (6) (0) (0) (0)	(12> 0 0 0 0 (0) (0) (0) (0)	(10) 0 0 0 0 (0) (0) (0) (0)
	necrosis:central	1 1 2 0 (8) (8) (15) (0)	0 2 0 0 (0) (12) (0) (0)	0 2 0 0 (0) (17) (0) (0)	0 0 0 1 (0) (10)

(HPT150)

b

(c)

b: Number of animals with lesion

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

c:b/a * 100

BAIS3

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 SEX : MALE

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

Group Name Control 200 ppm 400 ppm 800 ppm No. of Animals on Study 13 17 12 10 Grade Findings, (%) (%) Organ_ (%) (%) (%) (%) (%) (%) [Digestive system] Liver <13> (17) <12> <10> necrosis:focal 3 0 0 0 1 0 0 (8)(0)(0)(0) (12) (18) (0) (0) (8)(0)(8)(0) (0)(0)(0)(0) necrosis:single cell 5 0 ** 8 0 0 ** (0)(0)(0)(0) (18) (29) (0) (0) (8) (50) (0) (0) (0)(80)(0)(0) inflammatory cell nest 6 8 0 0 ** (8)(0)(0)(0) (47) (0) (0) (0) (50) (0) (0) (0) (80) (0) (0) (0) proliferation:histiocyte (0)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) (0)(10)(0)(0) extramedullary hematopoiesis (0)(0)(0)(0) (0)(0)(0)(0) (8)(0)(0)(0) (10) (0) (0) (0) clear cell focus 0 0 0 0 0 0 (0)(0)(0)(0) (0)(0)(0)(0) (8)(0)(0)(0) (0)(0)(0)(0) acidophilic cell focus 0 ** 0 3. 3 0 ** (0)(0)(0)(0) (6) (12) (18) (0) (0)(33)(42)(0) (0)(30)(30)(0) basophilic cell focus 0 1 0 (0)(0)(0)(0) (0)(6)(0)(0) (0)(0)(0)(0) (10) (0) (10) (0)

1: Slight 2 : Moderate (a)

3 : Marked

4 : Severe

(HPT150)

Grade

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

⁽c) c:b/a*100

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

HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1

DEAD AND MORIBUND ANIMALS (0-105W)

SEX : MALE

0rgan	N	Froup Name Control To. of Animals on Study 13 Frade 1 2 3 4 (%) (%) (%) (%)	200 ppm 17 1 2 3 4 (%) (%) (%) (%)	400 ppm 12 1 2 3 4 (%) (%) (%) (%)	800 ppm 10 1 2 3 4 (%) (%) (%) (%)
[Digestive s	system]				
liver	cholangiofibrosis	<13> 0 0 0 0 (0) (0) (0) (0)	<17> 0 0 0 0 (0) (0) (0) (0)	1 0 0 0 (8) (0) (0) (0)	<10> 0 0 0 0 (0) (0) (0) (0)
	swelling:central	0 0 0 0 0 (0) (0)	9 2 0 0 ** (53) (12) (0) (0)	3 2 0 0 * (25) (17) (0) (0)	2 5 1 0 ** (20) (50) (10) (0)
	nuclear atypia:central	0 0 0 0 0 0 (0) (0)	9 3 0 0 ** (53) (18) (0) (0)	5 1 0 0 * (42) (8) (0) (0)	2 6 0 0 ** (20) (60) (0) (0)
pancreas	inflammatory infiltration	<13> 0 0 0 0 (0) (0) (0) (0)	<17> 0 0 0 0 (0) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)	1 0 0 0 (10) (0) (0) (0)
[Urinary sys	stem]				
kidney	thrombus	<13> 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 0 0 0 (10) (0) (0) (0)
	infarct	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	1 0 0 0 (8) (0) (0) (0)	0 0 0 0 0 (0) (0)
Grade (a > b (c) Significant	1: Slight 2: Moderate 3: a: Number of animals examined at the sib: Number of animals with Lesion c: b / a * 100 difference; *: P ≤ 0.05 **: P ≤				

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 SEX : MALE

HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)

DEAD AND MORIBUND ANIMALS (0-105W)

Organ	Findings	Group Name Control No. of Animals on Study 13 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 17 1 2 3 4 (%) (%) (%) (%)	400 ppm 12 1 2 3 4 (%) (%) (%) (%)	800 ppm 10 1 2 3 4 (%) (%) (%) (%)
[Urinary sy	rstem]				
kidney	cyst	0 0 0 0 (0) (0) (0) (0)	<17> 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 (8) (0) (0) (0)	(10) 0 0 0 0 (0) (0) (0) (0)
	hvaline droplet	0 1 0 0 (0) (0)	1 1 0 0 (6) (6) (0) (0)	4 0 0 0 (33) (0) (0) (0)	4 0 0 0 * (40) (0) (0) (0)
	basophilic change	2 0 0 0 (15) (0) (0) (0)	0 0 0 0 0 0 (0) (0)	1 0 0 0 0 (8) (0) (0) (0)	0 0 0 0 0 0 (0) (0)
	deposit of hemosiderin	0 0 0 0 0 (0) (0)	0 1 0 0 (0) (0)	0 2 0 0 (0) (17) (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 0 0 0 0 0 (0) (0)	1 0 0 0 (10) (0) (0) (0)
	inflammatory cell nest	1 0 0 0 (8) (0) (0) (0)	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 0 (0) (0)
	inflammatory polyp	0 0 1 0 (0) (8) (0)	(0) (0) (0) (0)	0 0 0 0 0 0 (0) (0)	0 0 0 0 0
	hydronephrosis	(8) (0) (8) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 0 1 0 (0) (10) (0)

(HPT150)

(a)

ь (c) a: Number of animals examined at the site b : Number of animals with lesion

c:b/a * 100

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

BAIS3

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

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1

SEX

: MALE

Organ	Findings	Group Name Control No. of Animals on Study 13 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 17 1 2 3 4 (%) (%) (%) (%)	400 ppm 12 1 2 3 4 (%) (%) (%) (%)	800 ppm 10 1 2 3 4 (%) (%) (%) (%)
[Urinary syst	cem]				
kidney	mineralization:papilla	\(\lambda \) \(<17> 0 0 0 0 0 0 0 0 0 0 0 0	(12) 0 0 0 0 (0) (0) (0) (0)	\(\lambda 10 \rangle \) \(\begin{array}{cccc} 1 & 0 & 0 & 0 \\ (10) & (0) & (0) & (0) \end{array} \)
	dilatation:tubular lumen	0 1 0 0 (0) (0)	1 0 0 0 0 (6) (6) (0) (0)	1 0 0 0 0 (8) (0) (0) (0)	0 0 0 0 0 0 (0) (0)
rin bladd	ulcer	(0) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)	0 0 1 0 (0) (0) (10) (0)
	hemorrhage	1 0 0 0 0 (8) (0) (0) (0)	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0) (0)	0 0 0 0 0
Endocrine sy	vstem]				
ituitary	angiectasis	<13> 0 0 0 0 (0) (0) (0) (0)	1 0 0 0 (6) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)	(10) 0 0 0 0 (0) (0) (0) (0)
	cyst	1 0 0 0 0 (8) (0) (0) (0)	0 0 0 0 0 0 (0) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)
irade (a > b (c) ignificant d	1: Slight 2: Moderate a: Number of animals examined at t b: Number of animals with lesion c: b / a * 100 lifference; *: P ≤ 0.05 **:				

: MOUSE Crj:BDF1 ANIMAL

REPORT TYPE : A1

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

PAGE: 10

SEX : MALE Group Name Control 200 ppm 400 ppm 800 ppm

Organ	Findings	No. of Animals on Study 13 Grade 1 2 3 4 (%) (%) (%) (%)	17 1 2 3 4 (%) (%) (%) (%)	12 1 2 3 4 (%) (%) (%) (%)	10 1 2 3 4 (%) (%) (%) (%)
			(8) (8) (8)		
(Endocrine s	ystem]				
pituitary	Rathke pouch	\(\begin{array}{cccccccccccccccccccccccccccccccccccc	0 0 0 0 (0) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)	<10> 0 0 0 0 (0) (0) (0) (0)
thyroid	arteritis	0 1 0 0 (0) (8) (0) (0)	<17> 0 0 0 0 0 0 0 0 0 0 0 0	<12> 0 0 0 0 (0) (0) (0) (0)	<10> 0 0 0 0 (0) (0) (0) (0)
adrenat	hemorrhage	<13> 0 0 0 0 (0) (0) (0) (0)	<17> 1 0 0 0 (6) (0) (0) (0)	<12> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<10> 0 0 0 0 (0) (0) (0) (0)
	spindle-cell hyperplasia	4 0 0 0 (31) (0) (0) (0)	8 0 0 0 (47) (0) (0) (0)	5 0 0 0 (42) (0) (0) (0)	4 0 0 0 (40) (0) (0) (0)
	hyperplasia:cortical cell	1 0 0 0 0 (8) (0) (0)	0 0 0 0 0 0 (0) (0)	1 0 0 0 0 (8) (0) (0) (0)	0 0 0 0 0 (0) (0)
	hyperplasia:medulla	1 0 0 0 (8) (0) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)
[Reproductiv	e system]				
testis	atrophy	<13> 0 0 0 0 (0) (0) (0) (0)	<17> 0 0 0 0 0 0 0 0 0 0 0 0 0	\(\lambda 12 \rangle \) \(1 0 0 0 \) \(8) \(0) \(0) \(0) (0) \)	<pre></pre>

2 : Moderate Grade 1: Slight 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 : *: $P \le 0.05$ **: $P \le 0.01$ Test of Chi Square

SEX

ANIMAL : MOUSE Crj:BDF1

: MALE

REPORT TYPE : A1

HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)

PAGE: 11

DEAD AND MORIBUND ANIMALS (0-105W)

0rgan	Findings	Group Name Control No. of Animals on Study 13 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 17 1 2 3 4 (%) (%) (%) (%)	400 ppm 12 1 2 3 4 (%) (%) (%) (%)	800 ppm 10 1 2 3 4 (%) (%) (%) (%)
[Reproductiv	e system]				
testis	mineralization	\(\lambda 13> \) \(\begin{array}{ccccc} 1 & 0 & 0 & 0 \\ (8) & (0) & (0) & (0) \end{array} \)	1 0 0 0 (6) (0) (0) (0)	<12> 0 0 0 0 (0) (0) (0) (0)	<pre></pre>
	spermatogenic granuloma	0 0 0 0 0 (0) (0)	1 0 0 0 0 (6) (6) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0) (0)
	xanthogranuloma	1 0 0 0 (8) (0) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)
epididymis	spermatogenic granuloma	<13> 0 0 0 0 (0) (0) (0) (0)	3 0 0 0 (18) (0) (0) (0)	<12> 0 0 0 0 0 0 0 0 0 0 0 0	<10> 0 1 0 0 (0) (10) (0) (0)
prostate	inflammation	<13> 0 0 0 0 (0) (0) (0) (0)	<17> 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 (8) (0) (0) (0)	<10> 0 0 0 0 (0) (0) (0) (0)
	spermatogenic granuloma	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 1 0 0 (0) (10) (0) (0)
(Nervous sys	rtem}				
brain	hemorrhage	<13> 0 0 0 0 (0) (0) (0) (0)	1 0 0 0 (6) (0) (0) (0)	<12> 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 (0) (0) (0) (0)

Grade < a > 1: Slight

2 : Moderate

3 : Marked

4 : Severe

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

c:b/a*100 (c)

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

ANIMAL : MOUSE Crj:BDF1

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

REPORT TYPE : A1 SEX : MALE

Organ	Findings	Group Name Control No. of Animals on Study 13 Grade $\frac{1}{(\%)} \frac{2}{(\%)} \frac{3}{(\%)} \frac{4}{(\%)}$	200 ppm 17 1 2 3 4 (%) (%) (%) (%)	400 ppm 12 1 2 3 4 (%) (%) (%) (%)	800 ppm 10 1 2 3 4 (%) (%) (%) (%)
[Nervous syste	em]				
brain	mineralization	<13> 8 0 0 0 (62) (0) (0) (0)	10 0 0 0 (59) (0) (0) (0)	5 0 0 0 (42) (0) (0) (0)	5 0 0 0 (50) (0) (0) (0)
[Special sens	e organs/appendage]				
өуө	deseneration:cornea	2 0 0 0 (15) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)	(10) 1 0 0 0 (10) (0) (0) (0)
Harder gl	degeneration	<13> 0 0 0 0 (0) (0) (0) (0)	<17> 2 0 0 0 (12) (0) (0) (0)	<12> 0 0 0 0 (0) (0) (0) (0)	<10> 0 0 0 0 (0) (0) (0) (0)
	hyperplasia	(0) (0) (0) (0)	1 0 0 0 0 (6) (6) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)
[Body cavitie	s]				
peritoneum	inflammation	0 0 1 0 (0) (0) (8) (0)	<17> 0 0 0 0 0 (0) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)	<10> 0 0 0 0 (0) (0) (0) (0)

Grade

3 : Marked

4 : Severe

<a>> b

1: Slight 2 : Moderate

a: Number of animals examined at the site

b: Number of animals with lesion c: b / a * 100

(c)

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

(HPT150)

BAIS3

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 SEX : MALE

HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)

DEAD AND MORIBUND ANIMALS (0-105W)

PAGE: 13 Group Name Control 200 ppm 400 ppm 800 ppm No. of Animals on Study 13 17 12 10 Findings (%) (%) (%) [Body cavities] adipose ⟨13⟩ <17> <12> <10> granulation 0 0 0 0 0 0 0 0 1 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 b: Number of animals with lesion (c) c:b/a*100Significant difference; *: $P \le 0.05$ **: $P \le 0.01$ Test of Chi Square (HPT150) BAIS3 APPENDIX J 3
HISTOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS: SUMMARY,
MOUSE: MALE: SACRIFICED ANIMALS
(2-YEAR STUDY)

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1 SEX : MALE

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

Organ	Findings	Group Name Control No. of Animals on Study 37 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 33 1 2 3 4 (%) (%) (%) (%)	400 ppm 37 1 2 3 4 (%) (%) (%) (%)	800 ppm 40 1 2 3 4 (%) (%) (%) (%)
[Integumentar	ry system/appandage]				
skin/app	ulcer	<pre></pre>	33> 0 0 0 0 (0) (0) (0) (0)	37> 0 0 0 0 (0) (0) (0) (0)	(40> 0 0 0 0 (0) (0) (0) (0)
	hyperplasia:epidermis	(0) (0) (0) (0)	(0) (0) (0) (0)	0 1 0 0 (0) (0) (0)	0 0 0 0 0 (0) (0)
[Respiratory	system]				
nasal cavit	ecsinophilic change:olfactory epithel	37> ium 24 0 0 0 (65) (0) (0) (0)	333> 9 0 0 0 *** (27) (0) (0) (0)	37> 2 1 0 0 ** (5) (3) (0) (0)	3 0 0 0 *** (8) (0) (0) (0)
	ecsinophilic change:respiratory epith	7 0 0 0 0 (19) (0) (0) (0)	3 0 0 0 0 (9) (9) (0) (0)	4 2 0 0 (11) (5) (0) (0)	9 2 0 0 (23) (5) (0) (0)
	respiratory metaplasia:olfactory epit	thelium 8 0 0 0 (22) (0) (0) (0)	14 0 0 0 (42) (0) (0) (0)	15 0 0 0 (41)(0)(0)(0)	10 29 0 0 *** (25) (73) (0) (0)
	respiratory metaplasia:gland	3 2 0 0 (8) (5) (0) (0)	14 5 0 0 ** (42) (15) (0) (0)	2 0 0 0 0 (5) (0) (0) (0)	12 0 0 0 * (30) (0) (0) (0)
	necrosis:respiratory epithelium	1 0 0 0 (3) (0) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0) (0)	1 0 0 0 0 (3) (0) (0) (0)

(HPT150)

(c)

c:b/a * 100

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

BAIS3

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE: A1 SEX : MALE

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

Group Name Control 200 ppm 400 ppm 800 ppm No. of Animals on Study 37 33 37 40 Grade (%) (%) (%) (%) Organ_ Findings (%) (%) (%) (%) (%) [Respiratory system] nasal cavit ⟨37⟩ ⟨33⟩ (37) <40> thickening of bone 3 0 (0)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) (83) (8) (0) (0) lung <37> <33> ⟨37⟩ <40> hemorrhage 0 0 0 1 0 0 0 0 (0)(0)(0)(0) (0)(3)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) thrombus 0 0 (0)(0)(0)(0) (3)(0)(0)(0) (0)(0)(0)(0) (3)(0)(0)(0) inflammatory infiltration 0 0 2 0 0 0 (0)(0)(0)(0) (0)(0)(0)(0) (3)(0)(0)(0) (5)(0)(0)(0) granulation 0 (0)(0)(0)(0) (0)(0)(0)(0) (3)(0)(0)(0) (0)(0)(0)(0) perivascular inflammation (3)(0)(0)(0) (0)(3)(0)(0) (5)(0)(0)(0) (5)(3)(0)(0) accumulation of foamy cells 0 * (0)(3)(0)(0) (0)(0)(0)(0) (3)(0)(0)(0) (18) (5) (0) (0) bronchiolar-alveolar cell hyperplasia 0 0 1 (0)(0)(0)(0) (0)(3)(0)(0) (11) (0) (0) (0) (3)(0)(0)(0)

(HPT150)

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; $*: P \le 0.05$ $**: P \le 0.01$ Test of Chi Square

ANIMAL : MOUSE Crj:BDF1

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

REPORT TYPE : A1 SEX : MALE

PAGE: 3

Organ	Findings	Group Name Control No. of Animals on Study 37 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 33 1 2 3 4 (%) (%) (%)	400 ppm 37 1 2 3 4 (%) (%) (%) (%)	800 ppm 40 1 2 3 4 (%) (%) (%) (%)
[Respiratory:	system]				
lung	hyperplasia:epithelium,alveolar duct	<37> 0 0 0 0 0 (0) (0) (0) (0)	<33> 0 0 0 0 (0) (0) (0) (0)	\(\langle 37 > \) \(1 0 0 \) \(3) \((0) (0) (0) \)	<40> 0 0 0 0 (0) (0) (0) (0)
[Hematopoieti	c system]				
oone marrow	necrosis:focal	<37> 0 0 0 0 (0) (0) (0) (0)	<33> 0 0 0 0 (0) (0) (0) (0)	<37> 0 0 0 0 (0) (0) (0) (0)	(40) 1 0 0 0 (3) (0) (0) (0)
	accumulation of foamy cells	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	1 0 0 0 0 (3) (0) (0) (0)	0 0 0 0 0 (0) (0)
	myelofibrosis	0 1 0 0 (0) (0)	0 2 0 0 (0) (6) (0) (0)	0 1 0 0 (0) (3) (0) (0)	0 0 0 0 0 (0) (0)
	erythropoiesis:increased	0 0 0 0 0 (0) (0)	1 0 0 0 0 (3) (0) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)
	hyperplasia:vascular	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 1 0 0 (0) (0)
.ymph node	lymphadenitis	<37> 0 0 0 0 (0) (0) (0) (0)	<33> 0 0 0 0 (0) (0) (0) (0)	<37> 0 0 0 0 (0) (0) (0) (0)	<40> 1 0 0 0 (3) (0) (0) (0)

c:b/a*100 (c)

b: Number of animals with lesion Significant difference; $*: P \le 0.05$ $**: P \le 0.01$ Test of Chi Square

a: Number of animals examined at the site

(HPT150)

(a) b

STUDY NO. : 0297 ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1
SEX : MALE

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

Organ	Findings	Group Name Control No. of Animals on Study 37 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 33 1 2 3 4 (%) (%) (%) (%)	400 ppm 37 1 2 3 4 (%) (%) (%) (%)	800 ppm 40 1 2 3 4 (%) (%) (%) (%)
Hematopoiet	ic system]				
.ymph node	follicular hyperplasia	<37> 0 0 0 0 0 0 0 0 0 0 0	<33> 0 0 0 0 (0) (0) (0) (0)	37> 0 1 0 0 (0) (3) (0) (0)	(40> 1 0 0 0 (3) (0) (0) (0)
spleen	angiectasis	<37> 0 0 0 0 0 0 0 0 0	33> 0 0 0 0 (0) (0) (0) (0)	<37> 0 1 0 0 (0) (3) (0) (0)	<40> 0 0 0 0 (0) (0) (0) (0)
	deposit of melanin	2 0 0 0 (5) (0) (0) (0)	0 0 0 0 0 (0) (0)	1 0 0 0 (3) (0) (0) (0)	2 0 0 0 (5) (0) (0) (0)
	extramedullary hematopoiesis	1 0 0 0 0 (3) (0) (0) (0)	6 2 2 0 * (18) (6) (6) (0)	2 1 1 0 (5) (3) (3) (0)	9 1 2 0 * (23) (3) (5) (0)
	hyperplasia:vascular	0 0 0 0 0 (0) (0)	1 0 0 0 0 (3) (0) (0) (0)	0 0 0 0 0 0 (0) (0) (0)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	follicular hyperplasia	5 2 0 0 (14) (5) (0) (0)	3 0 0 0 0 (9) (0) (0)	3 5 1 0 (8) (14) (3) (0)	2 0 0 0 (5)(0)(0)(0)
Circulatory	system]				
neart	thrombus	<37> 0 0 0 0 (0) (0) (0) (0)	33> 0 1 0 0 (0) (3) (0) (0)	<37> 0 0 0 0 0 0 0 0 0 0 0	<40> 0 0 0 0 (0) (0) (0) (0)

: 0297

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1
SEX : MALE

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

Group Name Control 200 ppm 400 ppm 800 ppm No. of Animals on Study 37 33 37 40 Grade Findings_ (%) (%) (%) (%) [Circulatory system] heart ⟨33⟩ ⟨37⟩ mineralization 0 (0)(0)(0)(0) (3)(0)(0)(0) (0)(0)(0)(0) (5)(0)(0)(0) inflammatory cell nest (0)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) (5)(0)(0)(0) [Digestive system] tooth <37> <33> dysplasia 14 1 17 5 0 0 0 * (35) (3) (0) (0) (42) (3) (0) (0) (46) (0) (0) (0) (13) (0) (0) (0) salivary gl ⟨33⟩ ⟨37⟩ <40> lymphocytic infiltration 0 0 0 1 0 0 0 0 0 (79) (3) (0) (0) (84) (0) (0) (0) (89) (0) (0) (0) (65) (0) (0) (0) stomach <37> <40> mineralization 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) erosion:forestomach (0)(0)(0)(0) (0)(0)(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 ь b: Number of animals with lesion (c) c:b/a*100

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

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 SEX : MALE

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

PAGE: 6

		Group Name Control No. of Animals on Study 37 Grade $\frac{1}{2}$ $\frac{2}{3}$ $\frac{4}{4}$	200 ppm 33 1 2 3 4	400 ppm 37 1 2 3 4	800 ppm 40 1 2 3 4
Organ	Findings	(%) (%) (%)	(%) (%) (%)	(%) (%) (%)	(%) (%) (%) (%)
[Digestive sy	vstem]				
stomach	hyperplasia:forestomach	<37> 2 0 0 0 (5) (0) (0) (0)	<pre></pre>	<pre></pre>	(40) 1 1 0 0 (3) (3) (0) (0)
	orosion:glandular stomach	1 0 0 0 0 (3) (0) (0) (0)	1 1 0 0 (3) (3) (0) (0)	0 2 0 0 (0) (5) (0) (0)	1 1 0 0 (3) (3) (0) (0)
	hyperplasia:glandular stomach	11 21 1 0 (30) (57) (3) (0)	9 20 1 0 (27) (61) (3) (0)	7 27 1 0 (19) (73) (3) (0)	15 21 3 0 (38) (53) (8) (0)
liver	angiectasis	<37> 0 0 0 0 (0) (0) (0) (0)	<33> 0 0 0 0 (0) (0) (0) (0)	<37> 0 0 0 0 0 0 0 0 0 0 0 0	<40> 0 0 1 0 0 0) (0) (3) (0)
	necrosis:central	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	1 0 0 0 0 (3) (0) (0) (0)	0 0 0 0 0 (0) (0)
	necrosis:focal	5 1 1 0 (14) (3) (3) (0)	12 0 0 0 (36) (0) (0) (0)	1 5 1 0 (3) (14) (3) (0)	0 0 0 0 *
	necrosis:single cell	11 1 0 0 (30) (3) (0) (0)	20 10 0 0 ** (61) (30) (0) (0)	12 24 0 0 ** (32) (65) (0) (0)	6 34 0 0 ** (15) (85) (0) (0)
	mineralization	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0) (0)	1 0 0 0 (3) (0) (0) (0)

Grade 1 : Slight (a)

2 : Moderate

a: Number of animals examined at the site

b b: Number of animals with lesion c:b/a*100(c)

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

(HPT150)

^{3 :} Marked

^{4 :} Severe

ANIMAL : MOUSE Crj:BDF1

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

REPORT TYPE : A1

SEX : MALE

Findings	Group Name Control No. of Animals on Study 37 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 33 1 2 3 4 (%) (%) (%) (%)	400 ppm 37 1 2 3 4 (%) (%) (%) (%)	800 ppm 40 1 2 3 4 (%) (%) (%) (%)
system]				
inflammatory infiltration	37> 0 0 0 0 (0) (0) (0) (0)	<pre></pre>	37> 1 0 0 0 (3) (0) (0) (0)	(40> 1 0 0 0 (3) (0) (0) (0)
lymphocytic infiltration	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0) (0)	0 0 0 0 0 (0) (0)	1 0 0 0 (3) (0) (0) (0)
inflammatory cell nest	14 0 0 0 (38) (0) (0) (0)	29 0 0 0 *** (88) (0) (0) (0)	36 0 0 0 ** (97) (0) (0) (0)	39 1 0 0 ** (98) (3) (0) (0)
fibrosis:focal	0 1 0 0 (0) (3) (0) (0)	0 0 0 0 0 (0) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)
clear cell focus	0 2 2 0 (0) (5) (5) (0)	4 16 1 0 ** (12) (48) (3) (0)	1 10 1 0 (3) (27) (3) (0)	5 12 0 0 ** (13) (30) (0) (0)
acidophilic cell focus	1 0 0 0 0 (3) (0) (0) (0)	2 13 17 0 ** (6) (39) (52) (0)	1 14 17 0 ** (3) (38) (46) (0)	1 19 16 0 ** (3) (48) (40) (0)
basophilic cell focus	2 1 1 0 (5) (3) (3) (0)	0 1 0 0 (0) (3) (0) (0)	3 1 0 0 (8) (3) (0) (0)	0 3 0 0 (0) (8) (0) (0)
vacuolated cell focus	0 1 0 0 (0) (3) (0) (0)	1 1 0 0 (3) (3) (0) (0)	2 1 0 0 (5) (3) (0) (0)	2 0 0 0 (5) (0) (0) (0)
	inflammatory infiltration lymphocytic infiltration inflammatory cell nest fibrosis:focal clear cell focus acidophilic cell focus basophilic cell focus	No. of Animals on Study 37 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 4 4 2 3 4 4 4 4 4 4 4 4 4	No. of Animals on Study 37 1 2 3 4 1 2 3 4 (%) (%) (%) (%) (%) (%) (%) (%) (%) (%)	No. of Animals on Study 37 33 4 1 2 3 4 4 1 2 4 4 4 4 4 4 4 4 4

Grade

1 : Slight

2 : Moderate

3 : Marked

4 : Severe

(a) a: Number of animals examined at the site

b : Number of animals with lesion b (c)

c:b/a*100

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

(HPT150)

BAIS3

REPORT TYPE: A1

SEX

: MALE

ANIMAL : MOUSE Crj:BDF1

HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)

SACRIFICED ANIMALS (105W)

Group Name Control 200 ppm 400 ppm mgg 008 No. of Animals on Study 37 33 37 40 Grade Findings_ (%) (%) (%) (%) (%) (%) (%) (%) (%) [Digestive system] Liver <37> ⟨33⟩ ⟨37⟩ <40> cholangiofibrosis 0 (0)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) (5)(0)(0)(0) swelling:central 2 38 (0)(0)(0)(0) (55) (30) (0) (0) (19) (78) (0) (0) (5)(95)(0)(0) biliary cyst 0 (3)(3)(0)(0) (3)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) nuclear atypia:central 19 2 0 ** 11 25 (0)(0)(0)(0) (58) (6) (0) (0) (30) (68) (0) (0) (58) (35) (0) (0) gall bladd ⟨37⟩ ⟨33⟩ ⟨37⟩ <40> cyst 0 0 0 0 0 0 0 0 0 1 0 0 0 (3)(0)(0)(0) (6)(0)(0)(0) (3)(0)(0)(0) (3)(0)(0)(0) pancreas <37> <37> <40> atrophy 0 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) necrosis: focal 0 (0)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) (3)(0)(0)(0)

4 : Severe

1: Slight 2 : Moderate 3 : Marked Grade (a) a: Number of animals examined at the site

b: Number of animals with lesion b

(c) c:b/a*100

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

(HPT150)

BAIS3

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 SEX : MALE

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

PAGE: 9 Group Name Control 200 ppm 400 ppm 800 ppm No. of Animals on Study 37 33 37 40 Organ_ Findings (%) (%) (%) (%) (%) (%) (%) (%) [Urinary system] kidney ⟨37⟩ ⟨33⟩ ⟨37⟩ **〈40〉** infarct 2 0 (3)(0)(3)(0) (3)(0)(0)(0) (5)(0)(0)(0) (3)(0)(0)(0) cyst 0 (0)(0)(0)(0) (3)(0)(0)(0) (3)(0)(0)(0) (0)(3)(0)(0) hyaline droplet 0 0 (0)(0)(0)(0) (0)(0)(0)(0) (3)(0)(0)(0) (3)(0)(0)(0) basophilic change (8)(3)(0)(0) (12) (0) (0) (0) (11) (0) (0) (0) (5)(0)(0)(0) deposit of amyloid (0)(0)(0)(0) (0)(0)(0)(0) (0)(0)(3)(0) (0)(0)(0)(0) deposit of hemosiderin 0 0 0 (0)(0)(0)(0) (3)(6)(0)(0) (0)(3)(0)(0) (0)(0)(0)(0) lymphocytic infiltration (0)(0)(0)(0) (0)(0)(0)(0) (3)(0)(0)(0) (5)(0)(0)(0) inflammatory cell nest 1 (0)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) (3)(0)(0)(0)

(HPT150)

Grade

<a>>

b

(c)

1 : Slight

c:b/a*100

2 : Moderate

a: Number of animals examined at the site

b: Number of animals with lesion

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

3 : Marked

4 : Severe

Test of Chi Square

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1
SEX : MALE

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

PAGE: 10 Group Name Control 200 ppm 400 ppm 800 ppm No. of Animals on Study 37 33 37 40 Findings (%) (%) (%) (%) [Urinary system] kidney (37) ⟨33⟩ inflammatory polyp 0 0 0 0 0 0 0 1 1 0 (0)(0)(0)(0) (0)(0)(0)(0) (0)(3)(3)(0) (0)(0)(0)(0) hydronephrosis 2 0 0 0 0 0 1 0 0 0 3 0 0 1 0 0 (5)(0)(0)(0) (0)(0)(3)(0) (0)(0)(8)(0) (0)(3)(0)(0) ur in bladd lymphocytic infiltration 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 (3)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) [Endocrine system] pituitary <36> cyst 0 0 0 4 0 0 0 0 0 0 0 2 0 0 0 (11) (0) (0) (0) (12) (0) (0) (0) (0)(0)(0)(0) (5)(0)(0)(0) hyperplasia 0 0 (0)(0)(0)(0) (6)(0)(0)(0) (6)(0)(0)(0) (3)(0)(0)(0) Rathke pouch 0 0 0 0 1 0 0 0 0 0 (0)(0)(0)(0) (3)(0)(0)(0) (6)(0)(0)(0) (0)(0)(0)(0) Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe <a>> a: Number of animals examined at the site b b: Number of animals with lesion

(HPT150)

c:b/a*100

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

(c)

ANIMAL : MOUSE Crj:BDF1

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

REPORT TYPE : A1 SEX

: MALE

PAGE: 11

Organ	Findings	Group Name Control No. of Animals on Study 37 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 33 1 2 3 4 (%) (%) (%) (%)	400 ppm 37 1 2 3 4 (%) (%) (%) (%)	800 ppm 40 1 2 3 4 (%) (%) (%) (%)
[Endocrine s	system]				
adrenal	spindle-cell hyperplasia	<37> 27 0 0 0 (73) (0) (0) (0)	<pre></pre>	<pre></pre>	<pre></pre>
	hyperplasia:cortical cell	8 0 0 0 (22) (0) (0) (0)	5 1 0 0 (15) (3) (0) (0)	2 4 0 0 * (5) (11) (0) (0)	0 0 0 0 ***
	focal fatty change:cortex	0 0 0 0 0 0 (0) (0)	1 0 0 0 0 (3) (0) (0) (0)	1 0 0 0 0 (3) (0) (0) (0)	0 0 0 0 0 (0) (0)
[Reproduction	ve system]				
testis	atrophy	\(\begin{array}{cccccccccccccccccccccccccccccccccccc	33> 0 0 0 0 0 0 0 0 0 0 0 0	(37> 0 0 0 0 (0) (0) (0) (0)	<40> 0 0 0 0 (0) (0) (0) (0)
	mineralization	0 0 0 0 0 (0) (0)	1 0 0 0 (3)(0)(0)(0)	0 0 0 0 0 (0) (0) (0)	0 0 0 0 0 (0) (0)
	interstitial cell hyperplasia	1 0 0 0 0 (3) (0) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0) (0)
	spermatogenic granuloma	1 0 0 0 0 (3) (3) (0) (0)	1 0 0 0 0 (3) (0) (0) (0)	0 0 0 0 0 (0) (0)	1 0 0 0 0 (3) (0) (0) (0)
Grade	1: Slight 2: Moderate a: Number of animals examined at t	3 : Marked 4 : Severe ne site			

b

b: Number of animals with lesion

c:b/a * 100 (c)

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

(HPT150)

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 SEX : MALE

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

Group Name Control 200 ppm 400 ppm mag 008 No. of Animals on Study 37 33 37 40 Grade Findings_ (%) (%) (%) (%) (%) (%) (%) (%) [Reproductive system] testis ⟨37⟩ xanthogranuloma 0 0 0 0 1 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) epididymis <37> <33> <37> <40> lymphocytic infiltration 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)spermatogenic granuloma 3 0 0 0 0 0 (8)(0)(0)(0) (6)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) xanthogranuloma 0 0 0 0 (0)(0)(0)(0) (3)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) semin ves ⟨37⟩ <40> cyst 2 0 0 0 0 0 0 0 0 0 (0)(5)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) xanthogranuloma 0 0 0 0 1 0 0 0 0 (0) (0) (0) (0) (3)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) prostate ⟨33⟩ ⟨37⟩ <40> inflammation 1 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 4 : Severe

(HPT150)

(a)

b

(c)

a: Number of animals examined at the site

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

b: Number of animals with Lesion

c:b/a*100

BAIS3

: MOUSE Crj:BDF1

ANIMAL REPORT TYPE : A1 HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY) SACRIFICED ANIMALS (105W)

SEX : MALE Group Name Control 200 ppm 400 ppm 800 ppm

0rgan	Findings	No. of Animals on Study 37 Grade 1 2 3 4 (%) (%) (%) (%)	33 1 2 3 4 (%) (%) (%) (%)	37 1 2 3 4 (%) (%) (%) (%)	40 1 2 3 4 (%) (%) (%) (%)
T.v.	•				
[Nervous syst	temj				
brain	mineralization	30 0 0 0 (81) (0) (0) (0)	33> 21 0 0 0 (64) (0) (0) (0)	<37> 24 0 0 0 (65) (0) (0) (0)	24 0 0 0 (60) (0) (0) (0)
[Special sens	se organs/appendage]				
еуе	cataract	4 0 0 0 (11) (0) (0) (0)	33> 4 0 0 0 (12) (0) (0) (0)	37> 3 0 0 0 (8) (0) (0) (0)	<pre></pre>
	retinal atrophy	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)
	keratitis	0 0 0 0 0 0 (0)	1 0 0 0 0 (3) (0) (0) (0)	1 0 0 0 0 (3) (0) (0) (0)	0 1 0 0 (0) (3) (0) (0)
	degeneration:comea	0 0 0 0 (0) (0) (0)	2 0 0 0 0 (6) (6) (0) (0)	1 0 0 0 0 (3) (0) (0) (0)	0 0 0 0 0 (0) (0)
Harder gl	degeneration	0 0 0 0 (0) (0) (0) (0)	33> 1 0 0 0 (3) (0) (0) (0)	<37> 0 0 0 0 0 0 0 0 0)	<40> 1 0 0 0 (3) (0) (0) (0)

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

a: Number of animals examined at the site (a) b b: Number of animals with lesion

(c) c:b/a*100

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

(HPT150)

BAIS3

: MOUSE Cri:BDF1

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

REPORT TYPE : A1 : MALE

ANIMAL

Group Name Control 200 ppm 400 ppm 800 ppm No. of Animals on Study 33 37 40 Findings_ (%) (%) (%) (%) (%) [Special sense organs/appendage] Harder gl ⟨33⟩ hyperplasia 0 0 0 0 0 0 0 0 0 0 (0)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) (3)(0)(0)(0) [Body cavities] adipose granulation 0 0 0 0 0 0 0 1 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*100Significant difference; $*: P \le 0.05$ $**: P \le 0.01$ Test of Chi Square (HPT150)

BAIS3

APPENDIX J4

HISTOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS: SUMMARY, MOUSE: FEMALE: ALL ANIMALS (2-YEAR STUDY)

ANIMAL : MOUSE Crj:BDF1

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

REPORT TYPE : A1

SEX

: FEMALE

Organ	Findings	Group Name Control No. of Animals on Study 49 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 50 1 2 3 4 (%) (%) (%) (%)	400 ppm 50 1 2 3 4 (%) (%) (%) (%)	800 ppm 49 1 2 3 4 (%) (%) (%) (%)
	ry system/appandage]				
skin/app	inflammation	0 0 0 0 (0) (0) (0) (0)	<50> 1 0 0 0 (2) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<pre></pre>
	hyperplasia:epidermis	0 0 0 0 0 (0) (0)	1 0 0 0 0 (2) (0) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0) (0)
	epidermal cyst	1 0 0 0 0 (2) (3) (4)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0) (0)
[Respiratory	system]				
nasal cavit	exudate	<49> 0 0 0 0 (0) (0) (0) (0)	3 0 0 0 (6)(0)(0)(0)	(50) 0 0 0 0 (0) (0) (0) (0)	4 0 0 0 (8) (0) (0) (0)
	polyp	0 0 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 (0) (0)
	eosinophilic change:olfactory epithel	8 0 1 0 (16) (0) (2) (0)	11 0 0 0 (22) (0) (0) (0)	11 1 0 0 (22) (2) (0) (0)	34 0 0 0 *** (69) (0) (0) (0)
	eosinophilic change:respiratory epithe	20 17 3 0 (41)(35)(6)(0)	28 17 0 0 (57) (35) (0) (0)	30 8 1 0 (60) (16) (2) (0)	32 16 0 0 ** (65) (33) (0) (0)
Grade <a> b (c) Significant d	a: Number of animals examined at the sib: Number of animals with lesionc: b / a * 100				

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 : FEMALE HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)

ALL ANIMALS (0-105W)

Organ	Group No. o Grade Findings	f Animals on Study 49	200 ppm 50 1 2 3 4 (%) (%) (%) (%)	400 ppm 50 1 2 3 4 (%) (%) (%) (%)	800 ppm 49 1 2 3 4 (%) (%) (%) (%)
[Respiratory	system]				
nasal cavit	respiratory metaplasia:olfactory epithelium	<49> 1 0 0 0 (2) (0) (0) (0)	\(\lambda 49 \rangle \) 12	<pre></pre>	<pre></pre>
	respiratory metaplasia:gland	5 0 0 0 (10) (0) (0) (0)	4 1 0 0 (8) (2) (0) (0)	5 0 0 0 (10) (0) (0) (0)	20 0 0 0 *** (41) (0) (0) (0)
	squamous cell metaplasia:respiratory epithe	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 0 (4) (0) (0)
	necrosis:respiratory epithelium	0 0 0 0 0 (0) (0)	1 1 0 0 (2) (2) (0) (0)	1 0 0 0 0 (2) (0) (0) (0)	1 0 0 0 0 (2) (0) (0)
	thickening of bane	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	44 2 0 0 ** (90) (4) (0) (0)
nasopharynx	eosinophilic change	0 2 0 0 (0) (4) (0) (0)	0 0 0 0 (0) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<49> 0 0 0 0 0 0 0 0 0 0 0 0
lung	ectopic tissue	<49> 0 0 0 0 (0) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<pre></pre>
<a>> b (c)	1: Slight 2: Moderate 3: Mark a: Number of animals examined at the site b: Number of animals with lesion c: b / a * 100 ifference; $*: P \le 0.05$ **: $P \le 0.01$				

SEX

ANIMAL : MOUSE Crj:BDF1 REPORT TYPE : A1 : FEMALE

HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)

ALL ANIMALS (0-105W)

PAGE: 20

Organ	Findings	Group Name Control No. of Animals on Study 49 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 50 1 2 3 4 (%) (%) (%) (%)	400 ppm 50 1 2 3 4 (%) (%) (%) (%)	800 ppm 49 1 2 3 4 (%) (%) (%) (%)
[Respirator	y system]				
lung	congestion	<49> 0 0 0 0 0 0 0 0 0 0	<pre></pre>	<50> 0 0 0 0 (0) (0) (0) (0)	2 0 0 0 (4) (0) (0) (0)
	hemorrhæge	0 1 0 0 (0) (0)	1 1 0 0 (2) (2) (0) (0)	0 1 0 0 (0) (2) (0) (0)	0 1 0 0 (0) (2) (0) (0)
	edema	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0) (0)	0 2 1 0 (0) (4) (2) (0)
	inflammatory infiltration	5 1 0 0 (10) (2) (0) (0)	0 1 0 0 (0) (2) (0) (0)	3 1 0 0 (6) (2) (0) (0)	0 0 0 0 *
	9ranulation	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 1 0 0 (0) (2) (0) (0)
	perivascular inflammation	1 2 0 0 (2) (4) (0) (0)	2 0 0 0 0 (4) (0) (0) (0)	3 0 0 0 0 (6) (6) (70) (70)	1 0 0 0 0 (2) (0) (0) (0)
	accumulation of foamy cells	0 1 0 0 (0) (0)	0 1 0 0 (0) (2) (0) (0)	3 0 0 0 0 (6) (6) (0) (0)	5 1 1 0 (10) (2) (2) (0)
	bronchiolar-alveolar cell hyperplasia	0 1 1 0 (0) (2) (2) (0)	1 0 0 0 (2) (0) (0) (0)	0 0 0 0 0 (0) (0) (0)	0 0 0 0 0 (0) (0)

Grade

1: Slight 2 : Moderate

3 : Marked

4 : Severe

<a>≻

a: Number of animals examined at the site

b

b: Number of animals with lesion

(c)

c:b/a*100

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

ANIMAL : MOUSE Crj:BDF1

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

REPORT TYPE : A1

: FEMALE

Organ	Findings	Group Name Control No. of Animals on Study 49 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 50 1 2 3 4 (%) (%) (%) (%)	400 ppm 50 1 2 3 4 (%) (%) (%) (%)	800 ppm 49 1 2 3 4 (%) (%) (%) (%)
[Respiratory sy	ystem]				
lurg	hyperplasia:epithelium,alveolar duct	\(\lambda 49 \rangle \) \[\begin{pmatrix} 1 & 0 & 0 & 0 \\ (2) & (0) & (0) & (0) \end{pmatrix} \]	<50> 1 0 0 0 (2) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<49> 0 0 0 0 0 0 0 0 0 0 0 0 0 0
[Hematopoietic	system]				
bone marrow	necrosis:focal	<49> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<50> 0 0 0 0 (0) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	449> 1 0 0 0 (2) (0) (0) (0)
	granulation	0 0 0 0 0 (0) (0) (0)	0 1 0 0 (0) (2) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)
	myelofibrosis	3 1 0 0 (6) (2) (0) (0)	0 1 0 0 (0) (2) (0) (0)	1 0 0 0 (2) (0) (0) (0)	0 1 0 0 (0) (0)
	erythropoiesis:increased	0 0 0 0 0 0 (0) (0)	1 0 0 0 0 (2) (0) (0) (0)	1 0 0 0 0 (2) (0) (0) (0)	0 0 0 0 0 (0) (0)
	granulopoiesis; increased	1 0 0 0 0 (2) (0) (0) (0)	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	1 0 0 0 (2) (0) (0) (0)
	hyperplasia:vascular	0 0 0 0 0 (0) (0)	0 1 0 0 (0) (2) (0) (0)	0 1 0 0 (0) (2) (0) (0)	0 0 0 0 0 (0) (0)

(HPT150)

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

BAIS3

ANIMAL : MOUSE Crj:BDF1 REPORT TYPE : A1 : FEMALE

HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)

ALL ANIMALS (0-105W)

0rgan	Findings	Group Name Control No. of Animals on Study 49 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 50 1 2 3 4 (%) (%) (%) (%)	400 ppm 50 1 2 3 4 (%) (%) (%) (%)	800 ppm 49 1 2 3 4 (%) (%) (%) (%)
[Hematopoieti	ic system]				
lymph node	follicular hyperplasia	(49) 0 0 0 0 (0) (0) (0) (0)	<50> 0 1 0 0 (0) (2) (0) (0)	\(\lambda 50 \rangle \) \[1 0 0 0 \\ (2) (0) (0) (0) (0) \]	<pre></pre>
pleen	atrophy	2 0 0 0 (4) (0) (0) (0)	<50> 1 0 0 0 (2) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	2 0 0 0 (4) (0) (0) (0)
	deposit of hemosiderin	0 1 0 0 (0) (2) (0) (0)	1 0 0 0 0 (2) (0) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0) (0)
	deposit of melanin	1 0 0 0 0 (2) (3) (6)	1 0 0 0 0 (2) (0) (0) (0)	3 0 0 0 (6)(0)(0)(0)	3 0 0 0 0 (6) (0) (0) (0)
	fibrosis	0 1 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0) (0)	0 0 0 0 0 (0) (0) (0)
	extramedullary hematopoiesis	4 6 4 0 (8) (12) (8) (0)	8 9 1 0 (16) (18) (2) (0)	10 10 8 0 * (20) (20) (16) (0)	11 11 0 0 (22) (22) (0) (0)
	follicular hyperplasia	2 2 0 0 (4) (4) (0) (0)	1 2 0 0 (2) (4) (0) (0)	0 1 0 0 (0) (2) (0) (0)	0 1 0 0 (0) (2) (0) (0)
Circulatory	system]				
eart	hemorrhage	<49> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	(50) 0 1 0 0 (0) (2) (0) (0)	(50) 0 0 0 0 (0) (0) (0) (0)	<49> 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; $*: P \le 0.05$ **: $P \le 0.01$ Test of Chi Square

PAGE: 22

(0)(0)(0)(0)

ANIMAL : MOUSE Crj:BDF1

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

REPORT TYPE : A1

: FEMALE

PAGE: 23 Group Name Control 200 ppm 400 ppm 800 ppm No. of Animals on Study 50 50 49

0rgan	Grade Findings		1 2 3 4 (%) (%) (%) (%)	1 2 3 4 (%) (%) (%) (%)	1 2 3 4 (%) (%) (%) (%)
[Circulatory	system]				
heart	thrombus	0 2 0 0 (0) (4) (0) (0)	(50) 0 2 0 0 (0) (4) (0) (0)	(50) 0 0 0 0 (0) (0) (0) (0)	(49) 1 0 0 0 (2) (0) (0) (0)
	necrosis: focal	0 0 0 0 0 0 (0) (0)	1 0 0 0 0 (2) (0) (0) (0)	0 0 0 0 0 (0) (0) (0)	0 0 0 0 0 (0) (0)
	mineralization	0 1 0 0 (0) (0)	5 1 0 0 (10) (2) (0) (0)	9 0 0 0 *** (18) (0) (0) (0)	3 0 0 0 0 (6) (6) (70) (70)
	inflammatory cell nest	0 1 0 0 (0) (0)	0 0 0 0 0 (0) (0)	1 0 0 0 0 (2) (0) (0) (0)	0 1 0 0 (0) (2) (0) (0)
artery/aort	degeneration	(49) 0 0 0 0 (0) (0) (0) (0)	(50) 0 1 0 0 (0) (2) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<49> 0 0 0 0 0 0 0 0 0 0 0 0
[Digestive sy	rstem]				
tooth	dysplasia	4 0 0 0 (8) (0) (0) (0)	<50> 7 0 0 0 (14) (0) (0) (0)	3 0 0 0 (6) (0) (0) (0)	5 0 0 0 (10) (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 b

(c) c:b/a*100

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

(HPT150)

ANIMAL : MOUSE Crj:BDF1

HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)

REPORT TYPE : A1

SEX : FEMALE ALL ANIMALS (0-105W)

PAGE: 24

0rgan	Findings	Group Name Control No. of Animals on Study 49 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 50 1 2 3 4 (%) (%) (%) (%)	400 ppm 50 1 2 3 4 (%) (%) (%) (%)	800 ppm 49 1 2 3 4 (%) (%) (%) (%)
[Digestive sy	stem]				
tongue	epidermal cyst	49> 1 0 0 0 (2) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<49> 0 0 0 0 0 0 0 0 0 0 0
salivary gl	lymphocytic infiltration	449> 19 0 0 0 (39) (0) (0) (0)	(50) 19 0 0 0 (38) (0) (0) (0)	<50> 17 0 0 0 (34) (0) (0) (0)	449> 13 0 0 0 (27) (0) (0) (0)
stomach	arteritis	<49> 0 1 0 0 (0) (2) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<49> 0 0 0 0 (0) (0) (0) (0)	<49> 0 0 0 0 0 0 0 0 0 0 0
	erosion:forestomach	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 0 (0) (0)	2 0 0 0 0 (4) (0) (0) (0)
	hyperplasia:forestomach	1 1 0 0 (2) (2) (0) (0)	1 1 0 0 (2) (2) (0) (0)	0 0 0 0 0 (0) (0)	2 1 0 0 (4) (2) (0) (0)
	erosion:glandular stomach	1 0 0 0 0 (2) (0) (0) (0)	1 0 0 0 0 (2) (0) (0) (0)	2 1 0 0 (4) (2) (0) (0)	1 0 0 0 0 (2) (0) (0) (0)
	hyperplasia:glandular stomach	14 32 0 0 (29) (65) (0) (0)	20 28 0 0 (40) (56) (0) (0)	21 24 1 0 (43) (49) (2) (0)	20 26 0 0 (41) (53) (0) (0)

Grade

1 : Slight

2 : Moderate

3 : Marked

4 : Severe

(a)

a: Number of animals examined at the site

Ь

b: Number of animals with lesion

(c) c:b/a*100

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

ANIMAL : MOUSE Crj:BDF1

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

REPORT TYPE : A1 SEX

: FEMALE

Organ	Findines	Group Name Control No. of Animals on Study 49 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 50 1 2 3 4 (%) (%) (%) (%)	400 ppm 50 1 2 3 4 (%) (%) (%) (%)	800 ppm 49 1 2 3 4 (%) (%) (%) (%)
[Digestive sy	stem]				
small intes	erasion	0 0 0 0 (0) (0) (0) (0)	(50) 1 0 0 0 (2) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<49> 0 0 0 0 0 0 0 0 0 0 0 0 0 0
large intes	erosion	0 0 0 0 (0) (0) (0) (0)	<50> 1 0 0 0 (2) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<49> 0 0 0 0 0 0 0 0 0 0 0 0 0 0
liver	angiectasis	49> 1 1 1 0 (2) (2) (2) (0)	<50> 0 2 0 0 (0) (4) (0) (0)	<50> 1 1 0 0 (2) (2) (0) (0)	<49> 0 0 0 0 0 0 0 0 0 0 0
	necrosis:central	0 0 0 0 0 (0) (0)	0 1 0 0 (0) (0)	0 0 3 0 (0) (6) (0)	0 0 0 0 0 (0) (0)
	necrosis:focal	1 1 0 0 (2) (2) (0) (0)	0 1 1 0 (0) (2) (2) (0)	1 2 0 0 (2) (4) (0) (0)	1 1 0 0 (2) (2) (0) (0)
	necrosis:single cell	13 9 0 0 (27) (18) (0) (0)	9 4 0 0 (18) (8) (0) (0)	4 2 0 0 ** (8) (4) (0) (0)	13 6 0 0 (27) (12) (0) (0)
	inflammatory infiltration	0 0 1 0 (0) (2) (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)

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; $*:P \le 0.05$ **: $P \le 0.01$ Test of Chi Square

(HPT150)

BAIS3

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 : FEMALE

HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)

ALL ANIMALS (0-105W)

PAGE: 26

Organ	Findings	Group Name Control No. of Animals on Study 49 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 50 1 2 3 4 (%) (%) (%) (%)	400 ppm 50 1 2 3 4 (%) (%) (%) (%)	800 ppm 49 1 2 3 4 (%) (%) (%) (%)
[Digestive	system]				
liver	lymphocytic infiltration	\(\lambda 49> \) \[\begin{pmatrix} 1 & 0 & 0 & 0 \\ (2) & (0) & (0) & (0) \end{pmatrix} \]	(50) 1 0 0 0 (2) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<49> 0 0 0 0 0 0 0 0 0 0 0 0
	granulation	1 1 0 0 (2) (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)
	inflammatory cell nest	24 0 0 0 (49) (0) (0) (0)	13 0 0 0 * (26) (0) (0) (0)	4 0 0 0 *** (8) (0) (0) (0)	17 1 1 0 (35) (2) (2) (0)
	extramedullary hematopoiesis	1 0 0 0 0 (2) (0) (0) (0)	1 0 0 0 0 (2) (0) (0) (0)	0 0 0 0 0 (0) (0)	1 0 0 0 (2) (0) (0) (0)
	clear cell focus	0 2 1 0 (0) (4) (2) (0)	3 3 1 0 (6) (6) (2) (0)	2 1 1 0 (4) (2) (2) (0)	0 2 0 0 (0) (4) (0) (0)
	acidophilic cell focus	0 1 0 0 (0) (2) (0) (0)	0 6 37 0 ** (0) (12) (74) (0)	1 3 39 0 ** (2) (6) (78) (0)	0 3 45 0 ***
	basophilic cell focus	1 1 0 0 (2) (2) (0) (0)	5 2 0 0 (10) (4) (0) (0)	3 2 2 0 (6) (4) (4) (0)	1 2 0 0 (2) (4) (0) (0)
	vacuolated cell focus	0 0 0 0 0 (0) (0)	3 0 0 0 0 (6) (6) (0) (0)	0 0 0 0 0 (0) (0) (0)	0 0 0 0 0 (0) (0) (0)

<a>>

a: Number of animals examined at the site

b: Number of animals with lesion

(c) c:b/a * 100

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

(HPT150)

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 : FEMALE HISTOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY) ALL ANIMALS (0-105W)

Organ		O Name Control of Animals on Study 49 or 1 2 3 4 or (%) (%) (%) (%)	200 ppm 50 1 2 3 4 (%) (%) (%) (%)	400 ppm 50 1 2 3 4 (%) (%) (%) (%)	800 ppm 49 1 2 3 4 (%) (%) (%) (%)
Digestive s	vstem]				
liver	spongiosis hepatis	0 0 0 0 (0) (0) (0) (0)	(50) 0 0 0 0 (0) (0) (0) (0)	(50) 1 0 0 0 (2) (0) (0) (0)	<49> 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	bile ductular proliferation	0 0 0 0 0 0 (0)	1 0 0 0 0 (2) (0) (0) (0)	0 1 0 0 (0) (2) (0) (0)	0 0 0 0 0 (0) (0)
	swelling:central	2 0 0 0 0 (4) (0) (0) (0)	9 2 0 0 * (18) (4) (0) (0)	4 1 0 0 (8) (2) (0) (0)	7 9 0 0 ** (14) (18) (0) (0)
	biliary cyst	0 0 0 0 0 0 (0) (0)	1 0 0 0 0 (2) (0) (0) (0)	0 0 0 0 0	0 0 0 0 0 (0) (0)
	nuclear atypia:central	2 0 0 0 0 (4) (0) (0) (0)	6 1 0 0 (12) (2) (0) (0)	2 1 0 0 (4) (2) (0) (0)	10 6 0 0 ** (20) (12) (0) (0)
sall bladd	cyst	<49> 0 0 0 0 (0) (0) (0) (0)	(50) 0 0 0 0 (0) (0) (0) (0)	(50) 0 0 0 0 (0) (0) (0) (0)	1 0 0 0 (2) (0) (0) (0)
	eosinophilic change	0 0 0 0 0 (0) (0)	1 0 0 0 0 (2) (0) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)
pancreas	lymphocytic infiltration	<49> 0 0 0 0 (0) (0) (0) (0)	(50) 0 0 0 0 (0) (0) (0) (0)	(50) 0 0 0 0 (0) (0) (0) (0)	1 0 0 0 (2) (0) (0) (0)
Grade (a) b (c)	1: Slight 2: Moderate 3: Mar a: Number of animals examined at the site b: Number of animals with lesion c: b / a * 100 difference; $*: P \le 0.05$ **: $P \le 0.01$	30000			

ANIMAL : MOUSE Crj:BDF1

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

REPORT TYPE : A1

SEX : FEMALE

PAGE: 28

Organ	Findings	Group Name Control No. of Animals on Study 49 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 50 1 2 3 4 (%) (%) (%) (%)	400 ppm 50 1 2 3 4 (%) (%) (%) (%)	800 ppm 49 1 2 3 4 (%) (%) (%) (%)
(Urinary sy	rstem]				
kidney	infarct	\(\lambda 49 \) \(1 0 0 0 \\ (2) (0) (0) (0) \end{array}	<50> 0 0 0 0 (0) (0) (0) (0)	3 0 0 0 (6) (0) (0) (0)	<49> 1 0 0 0 (2) (0) (0) (0)
	hydropic change	1 0 0 0 (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)
	hyaline droplet	11 0 0 0 (22) (0) (0) (0)	13 1 0 0 (26) (2) (0) (0)	15 0 0 0 (30) (0) (0) (0)	10 0 0 0 (20) (0) (0) (0)
	basophilic change	1 1 0 0 (2) (2) (0) (0)	2 0 0 0 0 (4) (0) (0) (0)	3 1 0 0 (6) (2) (0) (0)	6 0 0 0 (12) (0) (0) (0)
	deposit of hemosiderin	0 0 0 0 0 (0) (0)	0 0 0 0 0 0 (0) (0)	2 0 0 0 0 (4) (0) (0) (0)	0 0 0 0 0 (0) (0)
	hyaline cast	1 0 0 0 0 (2) (0) (0) (0)	10 0 0 0 * (20) (0) (0) (0)	5 0 0 0 (10) (0) (0) (0)	3 0 0 0 0 (6) (6) (0) (0)
	inflammation	1 0 0 0 0 (2) (0) (0) (0)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 (0) (0)
	lymphocytic infiltration	7 0 0 0 (14) (0) (0) (0)	3 1 0 0 (6) (2) (0) (0)	2 0 0 0 0 (4) (0) (0) (0)	1 0 0 0 0 (2) (0) (0) (0)

Grade (a) 1:Slight

2 : Moderate

3 : Marked

4 : Severe

a: Number of animals examined at the site

b

b: Number of animals with lesion

c:b/a * 100 (c)

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

(HPT150)

ANIMAL : MOUSE Crj:BDF1

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

REPORT TYPE : A1 SEX

: FEMALE

PAGE: 29

Organ	Findings	Group Name Control No. of Animals on Study 49 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 50 1 2 3 4 (%) (%) (%) (%)	400 ppm 50 1 2 3 4 (%) (%) (%) (%)	800 ppm 49 1 2 3 4 (%) (%) (%) (%)
[Urinary syst	tem]		1,770		
kidney	inflammatory cell nest	<49> 0 0 0 0 (0) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	49> 1 0 0 0 (2) (0) (0) (0)
	inflammatory polyp	2 0 1 0 (4) (0) (2) (0)	1 1 0 0 (2) (2) (0) (0)	0 1 0 0 (0) (2) (0) (0)	0 1 0 0 (0) (2) (0) (0)
	hydronephrosis	1 2 1 0 (2) (4) (2) (0)	1 0 0 0 0 (2) (0) (0) (0)	2 0 0 0 0 (4) (0) (0) (0)	1 0 1 0 (2) (3)
	mineralization:papilla	0 0 0 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 0 0 0 (2) (0) (0) (0)	0. 0 0 0 (0) (0) (0)
	glomerulosclerosis	0 0 1 0 (0) (2) (0)	0 0 0 0 0 (0) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)
	urothelial hyperplasia:pelvis	0 0 0 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 0 0 0 0 (2) (0) (0)	0 0 0 0 0 (0) (0)
urin bladd	inflammation	<49> 0 0 0 0 (0) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<50> 0 1 0 0 (0) (2) (0) (0)	0 0 0 0 (0) (0) (0) (0)
[Endocrine sy	rstem]				
pituitary	angiectasis	2 1 0 0 (4) (2) (0) (0)	<50> 3 4 0 0 (6) (8) (0) (0)	2 0 0 0 (4) (0) (0) (0)	<49> 0 0 0 0 0 0 0 0 0 0 0

b: Number of animals with lesion

c:b/a * 100

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

ANIMAL : MOUSE C-j:BDF1

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

REPORT TYPE : A1

SEX

: FEMALE PAGE: 30

Organ	·-	o Name Control of Animals on Study 49	200 ppm 50 1 2 3 4 (%) (%) (%) (%)	400 ppm 50 1 2 3 4 (%) (%) (%) (%)	800 ppm 49 1 2 3 4 (%) (%) (%) (%)
[Endocrine s	system]				
pituitary	cyst	2 0 0 0 (4) (0) (0) (0)	50> 5 1 0 0 (10) (2) (0) (0)	\$\\ \frac{49}{5} \\ 0 \\ 0 \\ 0 \\ (10) \\ (<pre></pre>
	hyperplasia	14 2 0 0 (29) (4) (0) (0)	12 6 0 0 (24) (12) (0) (0)	7 4 0 0 (14) (8) (0) (0)	4 1 0 0 * (8) (2) (0) (0)
	focal hypertrophy	0 0 0 0 0 0 (0)	1 0 0 0 0 (2) (0) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)
thyroid	inflammatory infiltration	0 0 0 0 (0) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<49> 1 0 0 0 (2) (0) (0) (0)
adrenal	angiectasis	0 0 0 0 (0) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<49> 1 0 0 0 (2) (0) (0) (0)
	necrosis:zonal	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0) (0)	0 0 0 0 0 (0) (0)	1 0 0 0 0 (2) (0) (0) (0)
	inflammatory infiltration	0 0 0 0 0 (0) (0)	1 0 0 0 0 (2) (0) (0) (0)	1 0 0 0 0 (2) (0) (0) (0)	1 0 0 0 0 (2) (0) (0) (0)
Grade <a> b (c) Significant	1: Slight 2: Moderate 3: Mar a: Number of animals examined at the site b: Number of animals with lesion c: b / a * 100 difference; *: P ≤ 0.05 **: P ≤ 0.00				

(HPT150)

ANIMAL : MOUSE Crj:BDF1

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

REPORT TYPE : A1

SEX

: FEMALE

Organ	Findings	Group Name Control No. of Animals on Study 49 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 50 1 2 3 4 (%) (%) (%) (%)	400 ppm 50 1 2 3 4 (%) (%) (%) (%)	800 ppm 49 1 2 3 4 (%) (%) (%) (%)
[Endocrine	system]				
adrenal	extramedullary hematopoiesis	449> 1 0 0 0 (2) (0) (0) (0)	<50> 2 0 0 0 (4) (0) (0) (0)	<50> 2 0 0 0 (4) (0) (0) (0)	<49> 2 0 0 0 (4) (0) (0) (0)
	spindle-cell hyperplasia	32 12 0 0 (65) (24) (0) (0)	48 1 0 0 ** (96) (2) (0) (0)	45 1 0 0 ** (90) (2) (0) (0)	47 0 0 0 *** (96) (0) (0) (0)
	hyperplasia:cortical cell	0 0 0 0 0 (0) (0)	1 0 0 0 0 (2) (0) (0) (0)	1 0 0 0 0 (2) (0) (0) (0)	1 0 0 0 (2) (0) (0) (0)
	hyperplasia:medulla	0 0 0 0 0 0 (0)	1 1 0 0 (2) (2) (0) (0)	1 0 0 0 0 (2) (0) (0) (0)	0 0 0 0 0 (0) (0)
	accesory contical nodule	2 0 0 0 (4) (0) (0) (0)	0 0 0 0 0 (0) (0)	1 0 0 0 0 (2) (0) (0) (0)	1 0 0 0 0 (2) (0) (0) (0)
	focal fatty change:cortex	1 1 0 0 (2) (2) (0) (0)	0 1 0 0 (0) (0)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 (0) (0)
[Reproduct	ive system]				
ovary	angiectasis	0 0 0 0 (0) (0) (0) (0)	(49) 1 0 0 0 (2) (0) (0) (0)	<49> 0 0 0 0 (0) (0) (0) (0)	449> 1 0 0 0 (2) (0) (0) (0)
Grade <a>> b (c) Significan	1: Slight 2: Moderate a: Number of animals examined at t b: Number of animals with lesion c: b / a * 100 t difference; *: P ≤ 0.05 **:	3: Marked 4: Severe he site P ≦ 0.01 Test of Chi Square			

ANIMAL : MOUSE Crj:BDF1

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

REPORT TYPE : A1

SEX : FEMALE PAGE: 32

Organ		De Name Control of Animals on Study 49 de 1 2 3 4 (%) (%) (%) (%)	200 ppm 50 1 2 3 4 (%) (%) (%) (%)	400 ppm 50 1 2 3 4 (%) (%) (%) (%)	800 ppm 49 1 2 3 4 (%) (%) (%) (%)
[Reproductive	e system]				
ovary	thrombus	<49> 0 1 0 0 (0) (2) (0) (0)	<pre></pre>	0 0 1 0 (0) (0) (2) (0)	<pre></pre>
	cyst	11 0 0 0 0 (22) (0) (0) (0)	6 0 0 0 0 (12) (0) (0)	4 2 0 0 (8) (4) (0) (0)	1 5 0 0 ** (2) (10) (0) (0)
uterus	thrombus	<pre></pre>	(50) 1 0 1 0 (2) (0) (2) (0)	(50) 0 0 0 0 (0) (0) (0) (0)	<49> 0 0 0 0 0 0 0 0 0) (0) (0) (0)
	lymphocytic infiltration	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0) (0)	1 0 0 0 0 (2) (0) (0) (0)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	cystic endometrial hyperplasia	28 6 0 0 (57) (12) (0) (0)	24 10 1 0 (48) (20) (2) (0)	29 4 0 0 (58) (8) (0) (0)	33 0 0 0 * (67) (0) (0) (0)
	xanthogranuloma	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 1 0 0 (0) (2) (0) (0)	0 3 0 0 (0) (6) (0) (0)
mammary gł	hyperplasia	<49> 0 1 0 0 (0) (2) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<pre></pre>
Grade (a) b (c) Significant	1: Slight 2: Moderate 3: M. a: Number of animals examined at the site b: Number of animals with lesion c: b / a * 100 difference; $*: P \le 0.05$ **: $P \le 0.05$				

(HPT150)

BAIS3

ANIMAL : MOUSE Crj:BDF1

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

REPORT TYPE : A1 SEX : FEMALE

Organ	Findings	Group Name Control No. of Animals on Study 49 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 50 1 2 3 4 (%) (%) (%) (%)	400 ppm 50 1 2 3 4 (%) (%) (%) (%)	800 ppm 49 1 2 3 4 (%) (%) (%) (%)
Reproductiv	e system]				
nammary gl	squamous cell metaplasia	(49) 1 0 0 0 (2) (0) (0) (0)	(50) 1 0 0 0 (2) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<49> 0 0 0 0 0 0 0 0 0 0 0
	atypical hyperplasia	0 0 0 0 0 (0) (0)	1 0 0 0 0 (2) (0) (0) (0)	0 0 0 0 0 (0) (0) (0)	0 0 0 0 0 (0) (0)
	galactocele	0 0 0 0 0 (0) (0)	1 0 0 0 0 (2) (0) (0) (0)	1 0 0 0 (2) (0) (0) (0)	0 0 0 0 0 (0) (0) (0)
Nervous sys:	tem]				
-ain	hemorrhage	0 0 0 0 (0) (0) (0) (0)	\(\frac{50}{1} \) \(1 \) \(1 \) \(2 \) \(2 \) \(0 \) \(0 \)	<50> 0 0 0 0 (0) (0) (0) (0)	<49> 1 0 0 0 (2) (0) (0) (0)
	mineralization	14 0 0 0 (29) (0) (0) (0)	18 0 0 0 (36) (0) (0) (0)	22 0 0 0 (44) (0) (0) (0)	21 0 0 0 (43) (0) (0) (0)
	arteritis	0 1 0 0 (0) (0) (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 sens	se organs/appendage]				
уе	cataract	(49> 1 0 0 0 (2) (0) (0) (0)	3 0 0 0 (6) (0) (0) (0)	(50) 1 0 0 0 (2) (0) (0) (0)	49> 4 0 0 0 (8) (0) (0) (0)

(HPT150)

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

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 SEX : FEMALE

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

PAGE: 34

	-	Group Name Control No. of Animals on Study 49 Grade <u>1</u> 2 3 4	200 ppm 50 1 2 3 4	400 ppm 50 1 2 3 4	800 ppm 49 1 2 3 4
)rgan	Findings	1 2 3 4 (%) (%) (%) (%)	1 2 3 4 (%) (%) (%)	1 2 3 4 (%) (%) (%) (%)	$\frac{1}{(\%)} \frac{2}{(\%)} \frac{3}{(\%)} \frac{4}{(\%)}$
Special ser	nse organs/appendage]				
эуе	keratitis	(49) 0 1 0 0 (0) (2) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<49> 0 0 0 0 0 0 0 0 0 0 0
	deseneration:cornea	2 0 0 0 0 (4) (0) (0) (0)	1 0 0 0 0 (2) (0) (0) (0)	1 0 0 0 0 (2) (0) (0) (0)	3 0 0 0 0 (6) (6) (0) (0)
	ulcer:carnea	0 0 0 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 0 0 0 0 (2) (0) (0) (0)	0 0 0 0 0 (0) (0) (0)
flarder gl	granulation	<pre></pre>	<50> 0 0 0 0 (0) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<49> 0 0 0 0 0 0 0 0 0 0 0
Musculoskel	etal system]				
nuscle	mineralization	\(\lambda 49 \rangle \) \(1 0 0 0 \) \(2 \rangle (0) (0) (0) (0) \)	<50> 0 0 0 0 (0) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<49> 0 0 0 0 0 0 0 0 0 0 0
[Body caviti	es]				
adipose	granulation	0 0 0 0 (0) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<50> 0 0 0 0 (0) (0) (0) (0)	<49> 1 0 0 0 (2) (0) (0) (0)
Grade (a) b	1: Slight 2: Moderate a: Number of animals examined at b: Number of animals with lesion c: b / a * 100	3: Marked 4: Severe the site			

(HPT150)

APPENDIX J 5

HISTOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS: SUMMARY, MOUSE: FEMALE: DEAD AND MORIBUND ANIMALS (2-YEAR STUDY)

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1

SEX : FEMALE

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

PAGE: 14 Group Name Control 200 ppm 400 ppm 800 ppm No. of Animals on Study 20 20 29 27 Findings_ (%) Organ_ (%) (%) (%) (%) (%) (%) [Integumentary system/appandage] skin/app <20> epidermal cyst 0 0 0 0 0 (5)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) [Respiratory system] nasal cavit <20> <20> (29) <27> exudate 0 0 0 0 0 0 0 0 3 0 0 0 (0)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) (11) (0) (0) (0) eosinophilic change:olfactory epithelium 6 16 0 ** (15) (0) (0) (0) (10) (0) (0) (0) (21) (0) (0) (0) (59) (0) (0) (0) eosinophilic change:respiratory epithelium 0 8 15 0 * (50) (15) (0) (0) (40) (40) (0) (0) (52) (7) (3) (0) (74) (22) (0) (0) respiratory metaplasia:olfactory epithelium 3 0 0 0 9 0 () * (0)(0)(0)(0) (15) (0) (0) (0) (31) (0) (0) (0) (15) (85) (0) (0) respiratory metaplasia:gland 10 (10) (0) (0) (0) (5)(0)(0)(0) (3)(0)(0)(0) (37) (0) (0) (0) squamous cell metaplasia:respiratory epithelium (0)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) (4)(0)(0)(0) Grade

(a)

b

(c)

1: Slight

c:b/a*100

2 : Moderate

a: Number of animals examined at the site

b: Number of animals with lesion

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

3 : Marked

4 : Severe

Test of Chi Square

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 : FEMALE

HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)

DEAD AND MORIBUND ANIMALS (0-105W)

0rgan	Findings	Group Name Control No. of Animals on Study 20 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 20 1 2 3 4 (%) (%) (%) (%)	400 ppm 29 1 2 3 4 (%) (%) (%) (%)	800 ppm 27 1 2 3 4 (%) (%) (%) (%)
[Respiratory	system]				
nasal cavit	necrosis:respiratory epithelium	<20> 0 0 0 0 (0) (0) (0) (0)	20> 1 0 0 0 (5) (0) (0) (0)	(29) 1 0 0 0 (3) (0) (0) (0)	<27> 0 0 0 0 (0) (0) (0) (0)
	thickening of bone	0 0 0 0 0 (0) (0)	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 0 (0) (0)	24 0 0 0 ** (89) (0) (0) (0)
lune	consestion	<20> 0 0 0 0 (0) (0) (0) (0)	<20> 0 0 0 0 (0) (0) (0) (0)	<29> 0 0 0 0 (0) (0) (0) (0)	<27> 2 0 0 0 (7) (0) (0) (0)
	hemorrhage	0 0 0 0 0 (0) (0)	0 1 0 0 (0) (0)	0 1 0 0 (0) (0)	0 1 0 0 (0) (4) (0) (0)
	edema	0 0 0 0 0 (0) (0)	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 0 (0) (0)	0 2 1 0 (0) (7) (4) (0)
	inflammatory infiltration	2 0 0 0 0 (10) (10) (10)	0 1 0 0 (0) (5) (0) (0)	3 1 0 0 (10) (3) (0) (0)	0 0 0 0 0 (0) (0)
	perivascular inflammation	0 0 0 0 0 (0) (0)	1 0 0 0 0 (5) (0) (0) (0)	1 0 0 0 0 (3) (0) (0) (0)	1 0 0 0 0 (4) (0) (0) (0)
	accumulation of foamy cells	0 0 0 0 0 (0) (0)	0 1 0 0 (0) (5) (0) (0)	0 0 0 0 0 (0) (0)	2 0 0 0 0 (7) (0) (0) (0)

Grade (a) 1:Slight

2 : Moderate

3 : Marked

4 : Severe

a: Number of animals examined at the site

b b: Number of animals with Lesion (c) c:b/a*100

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

(HPT150)

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 : FEMALE SEX

HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)

DEAD AND MORIBUND ANIMALS (0-105W)

Organ	Findings	Group Name Control No. of Animals on Study 20 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 20 1 2 3 4 (%) (%) (%) (%)	400 ppm 29 1 2 3 4 (%) (%) (%) (%)	800 ppm 27 1 2 3 4 (%) (%) (%) (%)
[Respiratory	v system]				
lung	bronchiolar-alveolar cell hyperplasi	(20) 0 0 1 0 (0) (0) (5) (0)	20> 1 0 0 0 (5) (0) (0) (0)	<pre></pre>	0 0 0 0 (0) (0) (0) (0)
	hyperplasia:epithelium,alveolar duct	(0) (0) (0) (0)	1 0 0 0 0 (5) (0) (0) (0)	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 0 (0)
[Hematopoiet	tic system]				
bone marrow	necrosis:focal	0 0 0 0 (0) (0) (0) (0)	<20> 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<29> 0 0 0 0 0 0 0 0 0 0 0	<pre></pre>
	myelofibrosis	0 1 0 0 (0) (5) (0) (0)	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 0 (0)
	erythropoiesis:increased	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	1 0 0 0 0 (3) (0) (0) (0)	0 0 0 0 0 (0)
	granulopoiesis:increased	1 0 0 0 (5) (0) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 0 (0) (0)	1 0 0 0 0 (4) (0) (0) (0)
	hyperplasia∶vascular	(0) (0) (0) (0)	0 1 0 0 (0) (5) (0) (0)	0 1 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; $*: P \le 0.05$ $**: P \le 0.01$ Test of Chi Square

(HPT150)

BAIS3

ANIMAL : MOUSE Crj:BDF1

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

REPORT TYPE : A1

SEX : FEMALE

0rgan	Findings	Group Name Control No. of Animals on Study 20 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 20 1 2 3 4 (%) (%) (%) (%)	400 ppm 29 1 2 3 4 (%) (%) (%) (%)	800 ppm 27 1 2 3 4 (%) (%) (%) (%)
[Hematopoiet	ic system]				
pleen	atrophy	20> 2 0 0 0 (10) (0) (0) (0)	<20> 1 0 0 0 (5) (0) (0) (0)	<pre></pre>	<27> 2 0 0 0 (7) (0) (0) (0)
	deposit of hemosiderin	0 1 0 0 (0) (5) (0) (0)	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)
	deposit of melanin	0 0 0 0 0 0 (0) (0)	1 0 0 0 0 (5) (0) (0)	1 0 0 0 0 (3) (0) (0) (0)	2 0 0 0 (7) (0) (0) (0)
	extramedullary hematopoiesis	2 6 4 0 (10) (30) (20) (0)	3 7 1 0 (15) (35) (5) (0)	2 8 8 0 (7) (28) (28) (0)	6 11 0 0 (22) (41) (0) (0)
	follicular hyperplasia	0 0 0 0 0 (0) (0)	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 1 0 0 (0) (0)
Circulatory	system]				
eart	hemorrhage	<20> 0 0 0 0 0 0 0 0 0 0 0	(20) 0 1 0 0 (0) (5) (0) (0)	<29> 0 0 0 0 0 0 0 0 0 0 0	<27> 0 0 0 0 0 0 0 0 0 0 0 0 0
	thrombus	0 2 0 0 (0) (10) (0) (0)	0 1 0 0 (0) (5) (0) (0)	0 0 0 0 0 (0) (0) (0)	1 0 0 0 (4) (0) (0) (0)

: MOUSE Cri:BDF1 : FEMALE

ANIMAL REPORT TYPE : A1 HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)

DEAD AND MORIBUND ANIMALS (0-105W)

Group Name Control 200 ppm 400 ppm mqq 008 No. of Animals on Study 20 20 29 27 3 Findings (%) (%) (%) (%) (%) (%) (%) [Circulatory system] heart ⟨20⟩ ⟨20⟩ necrosis:focal 0 (0)(0)(0)(0) (5)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) mineralization 0 9 0 0 * (0)(5)(0)(0) (25) (5) (0) (0) (31) (0) (0) (0) (11) (0) (0) (0) inflammatory cell nest (0)(5)(0)(0) (0)(0)(0)(0) (3)(0)(0)(0) (0)(4)(0)(0) artery/aort ⟨20⟩ degeneration 0 0 0 1 0 0 0 0 0 0 0 0 0 (0)(0)(0)(0) (0)(5)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) [Digestive system] tooth <20> dysplasia 0 0 (5)(0)(0)(0) (25) (0) (0) (0) (7)(0)(0)(0) (11) (0) (0) (0) salivary gl <20> <20> (29) <27> lymphocytic infiltration 0 0 0 5 0 0 (15) (0) (0) (0) (10) (0) (0) (0) (17) (0) (0) (0) (11) (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*100Significant difference; $*: P \le 0.05$ $**: P \le 0.01$

Test of Chi Square

ANIMAL : MOUSE C-j:BDF1

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

REPORT TYPE : A1

: FEMALE

Organ	Findings	Group Name Control No. of Animals on Study 20 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 20 1 2 3 4 (%) (%) (%) (%)	400 ppm 29 1 2 3 4 (%) (%) (%) (%)	800 ppm 27 1 2 3 4 (%) (%) (%) (%)
[Digestive sy	stem]				
stomach	arteritis	(20) 0 1 0 0 (0) (5) (0) (0)	<20> 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<28> 0 0 0 0 (0) (0) (0) (0)	<27> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	erosion:forestomach	. 0 0 0 0 0 0 (0) (0)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 (0) (0)	2 0 0 0 (7) (0) (0) (0)
	hyperplasia:forestomach	0 1 0 0 (5) (0) (0)	0 0 0 0 0	0 0 0 0 0 0 (0) (0)	1 0 0 0 (4) (0) (0) (0)
	erosion:glandular stomach	0 0 0 0 0 (0)	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 0 (0) (0)	1 0 0 0 (4) (0) (0) (0)
	hyperplasia:glandular stomach	10 8 0 0 (50) (40) (0) (0)	12 7 0 0 (60) (35) (0) (0)	13 12 0 0 (46) (43) (0) (0)	10 14 0 0 (37) (52) (0) (0)
mall intes	erosion	<20> 0 0 0 0 (0) (0) (0) (0)	20> 1 0 0 0 (5) (0) (0) (0)	<29> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 (0) (0) (0) (0)
iver	angiectasis	<20> 0 0 0 0 (0) (0) (0) (0)	<20> 0 0 0 0 0 0 0 0 0 0 0	<29> 0 1 0 0 (0) (3) (0) (0)	<27> 0 0 0 0 0 (0) (0) (0)

(c) c:b/a * 100 Significant difference; *: $P \le 0.05$ **: $P \le 0.01$ Test of Chi Square (HPT150)

(a)

b

a : Number of animals examined at the site b: Number of animals with Lesion

BAIS3

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1

SEX : FEMALE

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

PAGE: 20 Group Name Control 200 ppm 400 ppm mag 008 No. of Animals on Study 20 20 29 27 Grade 2 Findings_ (%) (%) (%) (%) (%) (%) (%) (%) (%) [Digestive system] Liver <20> <20> <29> necrosis:central 0 0 0 3 0 0 0 (0)(0)(0)(0) (0)(5)(0)(0) (0)(0)(10)(0) (0)(0)(0)(0) necrosis:focal 1 0 0 0 1 0 (0)(5)(0)(0) (0)(0)(5)(0) (0)(3)(0)(0) (4)(4)(0)(0) necrosis:single cell 0 3 (0)(0)(0)(0) (10) (15) (0) (0) (3)(7)(0)(0) (15) (7) (0) (0) inflammatory infiltration (0)(0)(0)(0) (0)(0)(0)(0) (3)(0)(0)(0) (0)(0)(0)(0) inflammatory cell nest 6 0 * 0 1 (0)(0)(0)(0) (30) (0) (0) (0) (7)(0)(0)(0) (15) (4) (4) (0) clear cell focus 0 0 (0)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) (0)(4)(0)(0) acidophilic cell focus 3 20 0 ** 23 0 ** (0)(0)(0)(0) (0) (15) (55) (0) (3)(10)(69)(0) (0)(11)(85)(0) basophilic cell focus 0 0 (0)(0)(0)(0) (5)(5)(0)(0) (7)(3)(3)(0) (4)(0)(0)(0)

Grade

1: Slight

2 : Moderate

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; $*: P \le 0.05$ $**: P \le 0.01$

Test of Chi Square

(HPT150)

BAIS3

^{3 :} Marked

ANIMAL : MOUSE C-j:BDF1 REPORT TYPE : A1
SEX : FEMALE

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

Organ	Findings	Group Name Control No. of Animals on Study 20 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 20 1 2 3 4 (%) (%) (%) (%)	400 ppm 29 1 2 3 4 (%) (%) (%) (%)	800 ppm 27 1 2 3 4 (%) (%) (%) (%)
[Digestive	system]				
liver	vacuolated cell focus	<20> 0 0 0 0 0 0 0 0 0 0 0	<20> 1 0 0 0 (5) (0) (0) (0)	<29> 0 0 0 0 (0) (0) (0) (0)	<27> 0 0 0 0 0 0 0 0 0 0 0 0
	bile ductular proliferation	(0) (0) (0) (0)	0 0 0 0 0 0 (0) (0)	0 1 0 0 (0) (3) (0) (0)	0 0 0 0 0 (0) (0) (0)
	swelling:central	0 0 0 0 0 0 (0) (0)	3 1 0 0 (15) (5) (0) (0)	2 1 0 0 (7) (3) (0) (0)	3 3 0 0 (11) (11) (0) (0)
	biliary cyst	0 0 0 0 0 0 (0)	1 0 0 0 (5)(0)(0)(0)	0 0 0 0 0 (0) (0) (0)	0 0 0 0 0 (0) (0) (0)
	nuclear atypia:central	0 0 0 0 0 0 (0)	0 1 0 0 (0) (5) (0) (0)	1 1 0 0 (3) (3) (0) (0)	4 4 0 0 * (15) (15) (0) (0)
[Urinary s	vstem]				
kidney	hvaline droplet	20> 11 0 0 0 (55) (0) (0) (0)	(20) 10 1 0 0 (50) (5) (0) (0)	\$\frac{\lambda 29 \rightarrow}{15 0 0 0 \text{(52) (0) (0) (0)}\$	27> 10 0 0 0 (37) (0) (0) (0)
	basophilic change	0 0 0 0 0 (0) (0) (0)	0 0 0 0 0 (0) (0) (0)	2 0 0 0 (7) (0) (0) (0)	2 0 0 0 (7) (0) (0) (0)

ANIMAL : MOUSE Crj:BDF1

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

REPORT TYPE : A1

: FEMALE

rgan	Findings	Group Name Control No. of Animals on Study 20 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 20 1 2 3 4 (%) (%) (%) (%)	400 ppm 29 1 2 3 4 (%) (%) (%) (%)	800 ppm 27 1 2 3 4 (%) (%) (%) (%)
Urinary syst	cem]				
idney	deposit of hemosiderin	<20> 0 0 0 0 (0) (0) (0) (0)	<20> 0 0 0 0 0 0 0 0 0 0 0	<pre></pre>	<27> 0 0 0 0 0 0 0 0 0 0 0 0
	hyaline cast	0 0 0 0 0 0 (0)	1 0 0 0 0 (5) (0) (0)	1 0 0 0 (3) (0) (0) (0)	1 0 0 0 (4) (0) (0) (0)
	inflammation	1 0 0 0 (5)(0)(0)(0)	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)
	lymphocytic infiltration	2 0 0 0 (10) (0) (0) (0)	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)
	inflammatory polyp	1 0 0 0 0 (5) (6) (7)	1 0 0 0 0 (5) (0) (0)	0 0 0 0 0 (0) (0)	0 1 0 0 (0) (0)
	hydronephrosis	1 0 1 0 (5) (5) (0)	1 0 0 0 (5) (0) (0) (0)	1 0 0 0 0 (3) (0) (0)	1 0 1 0 (4) (0) (4) (0)
	glomerulosclerosis	0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)
in bladd	inflammation	<20> 0 0 0 0 0 0 0 0 0 0 0 0 0	(20) 0 0 0 0 (0) (0) (0) (0)	<29> 0 1 0 0 (0) (3) (0) (0)	<27> 0 0 0 0 0 0 0 0 0 0 0 0 0

(HPT150)

b

(c)

b: Number of animals with lesion

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

c:b/a * 100

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1
SEX : FEMALE

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

PAGE: 23

Organ	Findings	Group Name Control No. of Animals on Study 20 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 20 1 2 3 4 (%) (%) (%) (%)	400 ppm 29 1 2 3 4 (%) (%) (%) (%)	800 ppm 27 1 2 3 4 (%) (%) (%) (%)
(Endocrine sy	vstem]				
pituitary	angiectasis	\(\frac{20}{5} \) \(\begin{array}{cccccc} 1 & 1 & 0 & 0 \\ (& 5) & (& 5) & (& 0) & (& 0) \end{array}	<20> 1 2 0 0 (5) (10) (0) (0)	<28> 2 0 0 0 (7) (0) (0) (0)	<27> 0 0 0 0 0 0 0 0 0 0 0
	cyst	(0) (0) (0) (0)	3 0 0 0 (15) (0) (0) (0)	3 0 0 0 (11) (0) (0) (0)	3 0 0 0 (11)(0)(0)(0)
	hyperplasia	1 0 0 0 0 (5) (5) (0) (0)	1 0 0 0 (5) (0) (0) (0)	2 0 0 0 0 (7) (0) (0) (0)	1 1 0 0 (4) (4) (0) (0)
adrenal	necrosis:zonal	<20> 0 0 0 0 (0) (0) (0) (0)	<pre></pre>	<29> 0 0 0 0 0 0 0 0 0 0 0	27> 1 0 0 0 (4) (0) (0) (0)
	inflammatory infiltration	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 0 (0) (0)	1 0 0 0 0 (4) (6) (6)
	extramedullary hematopoiesis	1 0 0 0 0 (5) (60) (60)	1 0 0 0 0 (5) (0) (0) (0)	1 0 0 0 0 (3) (0) (0) (0)	2 0 0 0 0 (7) (0) (0) (0)
	spindle-cell hyperplasia	14 2 0 0 (70) (10) (0) (0)	19 0 0 0 (95) (0) (0) (0)	25 0 0 0 (86) (0) (0) (0)	26 0 0 0 * (96) (0) (0) (0)
	hyperplasia:cortical cell	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	1 0 0 0 0 (3) (0) (0) (0)	1 0 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: Number of animals with lesion
(c) c: b/a * 100

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

: MOUSE Crj:BDF1

ANIMAL REPORT TYPE : A1 : FEMALE

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

Group Name Control 200 ppm 400 ppm 800 ppm No. of Animals on Study 20 20 29 27 Findings_ (%) (%) (%) (%) (%) (%) [Endocrine system] adrenal <20> <20>> hyperplasia:medulla 0 0 0 0 1 0 0 (0)(0)(0)(0) (0)(5)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) [Reproductive system] ovary <20> thrombus 0 1 0 0 0 0 0 0 0 0 0 0 (0)(5)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) cyst 0 0 (5)(0)(0)(0) (5)(0)(0)(0) (0)(3)(0)(0) (4)(11)(0)(0) uterus <20> <20> (29) <27> cystic endometrial hyperplasia 8 0 0 0 2 0 0 10 13 1 0 0 12 0 0 0 (40) (0) (0) (0) (50) (10) (0) (0) (45) (3) (0) (0) (44) (0) (0) (0) xanthogranuloma 0 0 0 0 (0)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) (0)(7)(0)(0) mammary gl <20> <20> ⟨29⟩ squamous cell metaplasia 0 0 0 0 0 0 0 0 0 0 0 0 0 0 (0)(0)(0)(0) (5)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe (a) a: Number of animals examined at the site

b (c) b: Number of animals with lesion

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

c:b/a*100

ANIMAL : MOUSE Crj:BDF1 HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY) DEAD AND MORIBUND ANIMALS (0-105W)

REPORT TYPE : A1

SEX : FEMALE

Group Name Control 200 ppm 400 ppm mag 008 No. of Animals on Study 20 20 29 27 Findings_ (%) (%) (%) [Reproductive system] mammary gl <20> galactocele 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 (0)(0)(0)(0) (5)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) [Nervous system] brain <29> hemorrhage 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 (0)(0)(0)(0) (0)(5)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) mineralization 0 0 0 (15) (0) (0) (0) (25) (0) (0) (0) (34) (0) (0) (0) (30) (0) (0) (0) arteritis 0 0 0 0 0 0 0 0 0 0 0 0 (0)(5)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) [Special sense organs/appendage] еуе <20> cataract 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 (0)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) (4)(0)(0)(0) 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*100Significant difference; *: $P \le 0.05$ **: $P \le 0.01$ Test of Chi Square

ANIMAL : MOUSE Crj:BDF1

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

REPORT TYPE : A1 SEX : FEMALE

Organ	Findings	Group Name Control No. of Animals on Study 20 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 20 1 2 3 4 (%) (%) (%) (%)	400 ppm 29 1 2 3 4 (%) (%) (%) (%)	800 ppm 27 1 2 3 4 (%) (%) (%) (%)
[Special sen	ise organs/appendage]				
Эуө	degeneration:cornea	<20> 0 0 0 0 (0) (0) (0) (0)	<20> 1 0 0 0 (5) (0) (0) (0)	<29> 0 0 0 0 0 0 0 0 0 0 0	227> 1 0 0 0 (4) (0) (0) (0)
	ulcer:cornea	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 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 0 0 0 0 (3) (0) (0)	0 0 0 0 0 (0) (0) (0)
Musculoskel	etal system]				
uscle	mineralization	(20) 1 0 0 0 (5) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)	<29> 0 0 0 0 0 0 0 0 0 0 0	<27> 0 0 0 0 (0) (0) (0) (0)
Body caviti	es]				
dipase	granulation	<20> 0 0 0 0 0 0 0 0 0 0 0	<20> 0 0 0 0 0 0 0 0 0 0 0	<29> 0 0 0 0 0 0 0 0 0 0 0	227> 1 0 0 0 (4) (0) (0) (0)
rade a > b c) ignificant (1: Slight 2: Moderate 3 a: Number of animals examined at the si b: Number of animals with lesion c: b/a * 100 difference; *: P ≤ 0.05 **: P ≤				

BAIS3

APPENDIX J6

HISTOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS: SUMMARY, MOUSE: FEMALE: SACRIFICED ANIMALS (2-YEAR STUDY)

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 SEX : FEMALE HISTOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY) SACRIFICED ANIMALS (105W)

Organ		Group Name Control No. of Animals on Study 29 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 30 1 2 3 4 (%) (%) (%) (%)	400 ppm 21 1 2 3 4 (%) (%) (%) (%)	800 ppm 22 1 2 3 4 (%) (%) (%) (%)
[Integumentar	y system/appandage]				
skin/app	inflammation	<29> 0 0 0 0 (0) (0) (0) (0)	<30> 1 0 0 0 (3) (0) (0) (0)	<21> 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<pre></pre>
	hyperplasia:epidermis	0 0 0 0 0 0 (0) (0)	1 0 0 0 0 (3) (0) (0)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 (0) (0)
[Respiratory	system]				
nasal cavit	exudate	<pre></pre>	3 0 0 0 (10) (0) (0) (0)	<21> 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 (5) (0) (0) (0)
	polyp	0 0 0 0 0 0 (0) (0)	1 0 0 0 (3) (0) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)
	eosinophilic change:olfactory epitheli	5 0 1 0 (17) (0) (3) (0)	9 0 0 0 0 (31) (0) (0)	5 1 0 0 (24) (5) (0) (0)	18 0 0 0 *** (82) (0) (0) (0)
	eosinophilic change:respiratory epithe	10 14 3 0 (34) (48) (10) (0)	20 9 0 0 * (69) (31) (0) (0)	15 6 0 0 * (71) (29) (0) (0)	12 10 0 0 (55) (45) (0) (0)
	respiratory metaplasia:olfactory epith	1 0 0 0 (3) (0) (0) (0)	9 0 0 0 *	7 0 0 0 * (33) (0) (0) (0)	1 21 0 0 ** (5) (95) (0) (0)

(HPT150)

b: Number of animals with lesion

(c) c:b/a * 100 Significant difference; *: $P \le 0.05$ **: $P \le 0.01$ Test of Chi Square

ANIMAL : MOUSE Crj:BDF1 REPORT TYPE : A1

SEX : FEMALE

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

Organ	Group Name No. of Anim Grade Findings	Control als on Study 29 1 2 3 4 (%) (%) (%) (%)	200 ppm 30 1 2 3 4 (%) (%) (%) (%)	400 ppm 21 1 2 3 4 (%) (%) (%) (%)	800 ppm 22 1 2 3 4 (%) (%) (%) (%)
[Respiratory	system]				
nasal cavit	respiratory metaplasia:gland	3 0 0 0 (10) (0) (0) (0)	3 1 0 0 (10) (3) (0) (0)	4 0 0 0 (19) (0) (0) (0)	(22> 10 0 0 0 * (45) (0) (0) (0)
	squamous cell metaplasia:respiratory epithelium	0 0 0 0 0 (0) (0)	1 0 0 0 (3) (0) (0) (0)	0 0 0 0 0 (0) (0) (0)	1 0 0 0 (5) (0) (0) (0)
	necrosis:respiratory epithelium	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 1 0 0 (0) (0) (0)	0 0 0 0 0 (0) (0)	1 0 0 0 (5) (0) (0) (0)
	thickening of bone	0 0 0 0 0 0 (0)	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	20 2 0 0 ** (91) (9) (0) (0)
nasopharynx	eosinophilic change	<pre></pre>	<29> 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<21> 0 0 0 0 0 0 0 0 0 0 0	<22> 0 0 0 0 (0) (0) (0) (0)
lung	ectopic tissue	<pre></pre>	0 0 0 0 (0) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)	<22> 0 1 0 0 (0) (5) (0) (0)
	hemorrhage	0 1 0 0 (0) (0)	1 0 0 0 0 (3) (0) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)
Grade <a>> b (c) Significant d	1: Slight 2: Moderate 3: Marked a: Number of animals examined at the site b: Number of animals with lesion c: b / a * 100 lifference: *: P ≤ 0.05 **: P ≤ 0.01 Te	4 : Severe st of Chi Square			

ANIMAL : MOUSE C-j:BDF1 REPORT TYPE : A1

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

Organ	Findings	Group Name Control No. of Animals on Study 29 Grade 1 2 3 4 (%) (%) (%) (%) (%) (%)	200 ppm 30 1 2 3 4 (%) (%) (%) (%)	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	800 ppm 22 1 2 3 4 (%) (%) (%) (%)
Respiratory	system]				
ung	inflammatory infiltration	<pre></pre>	<30> 0 0 0 0 (0) (0) (0) (0)	<21> 0 0 0 0 (0) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)
	granulation	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 1 0 0 (0) (5) (0) (0)
	perivascular inflammation	1 2 0 0 (3) (7) (0) (0)	1 0 0 0 0 (3) (0) (0) (0)	2 0 0 0 (10) (0) (0) (0)	0 0 0 0 0 0 (0) (0) (0)
	accumulation of foamy cells	0 1 0 0 (0) (3) (0) (0)	0 0 0 0 0 (0) (0) (0)	3 0 0 0 (14) (0) (0) (0)	3 1 1 0 (14) (5) (5) (0)
	bronchiolar—alveolar cell hyperplasia	0 1 0 0 (0) (3) (0) (0)	0 0 0 0 0 (0) (0) (0)	0 0 0 0 0 (0) (0) (0)	0 0 0 0 0 (0) (0) (0) (0)
	hyperplasia:epithelium,alveolar duct	1 0 0 0 (3) (0) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0) (0)	0 0 0 0 0 (0) (0) (0)
Hematopoieti	c system]				
one marmow	granulation	<29> 0 0 0 0 0 0 0 0 0 0 0	30> 0 1 0 0 (0) (3) (0) (0)	<21> 0 0 0 0 0 0 0 0 0 0 0 0	<22> 0 0 0 0 0 (0) (0) (0) (0)

(HPT150)

b b: Number of animals with lesion (c) c:b/a * 100 Significant difference; *: $P \le 0.05$ **: $P \le 0.01$ Test of Chi Square

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

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 SEX

: FEMALE

Group Name Control 200 ppm 400 ppm mqq 008 No. of Animals on Study 30 21 22 Findings_ (%) (%) (%) (%) (%) [Hematopoietic system] bone marrow <29> <21> ⟨22⟩ myelofibrosis 0 1 0 0 (10) (0) (0) (0) (0)(3)(0)(0) (5)(0)(0)(0) (0)(5)(0)(0) erythropoiesis: increased (0)(0)(0)(0) (3)(0)(0)(0) (0) (0) (0) (0) (0)(0)(0)(0) Lymph node (29) ⟨30⟩ follicular hyperplasia 0 0 0 0 (0)(0)(0)(0) (0)(3)(0)(0) (5)(0)(0)(0) (0)(5)(0)(0) spleen <29> <30> (21) deposit of hemosiderin 0 (0)(0)(0)(0) (3)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) deposit of melanin 0 (3)(0)(0)(0) (0)(0)(0)(0) (10) (0) (0) (0) (5)(0)(0)(0) fibrosis 1 0 0 0 0 0 0 0 (0)(3)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) extramedullary hematopoiesis 8 2 (7)(0)(0)(0) (17) (7) (0) (0) (38) (10) (0) (0) (23) (0) (0) (0)

Grade

<a>>

b

(c)

1: Slight

c:b/a*100

2 : Moderate

a : Number of animals examined at the site

b: Number of animals with lesion

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

3 : Marked

4 : Severe

Test of Chi Square

ANIMAL : MOUSE C-j:BDF1

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

REPORT TYPE : A1

: FEMALE SEX

Organ		Group Name Control No. of Animals on Study 29 Grade 1 2 3 4	200 ppm 30 1 2 3 4 (%) (%) (%) (%)	400 ppm 21 1 2 3 4 (%) (%) (%) (%)	800 ppm 22 1 2 3 4 (%) (%) (%) (%)
. [Hematopoieti	c system]				
spleen	follicular hyperplasia	29> 2 2 0 0 (7) (7) (0) (0)	30> 1 2 0 0 (3) (7) (0) (0)	<pre></pre>	<pre></pre>
[Circulatory	system]				
heart	thrombus	<pre></pre>	30> 0 1 0 0 (0) (3) (0) (0)	0 0 0 0 (0) (0) (0) (0)	<22> 0 0 0 0 (0) (0) (0) (0)
[Digestive sy	rstem]				
tooth	dysplasia	3 0 0 0 0 (10) (0) (0) (0)	30> 2 0 0 0 (7) (0) (0) (0)	21> 1 0 0 0 (5) (0) (0) (0)	222> 2 0 0 0 (9) (0) (0) (0)
tongue	epidermal cyst	29> 1 0 0 0 (3) (0) (0) (0)	<30> 0 0 0 0 (0) (0) (0) (0)	<21> 0 0 0 0 (0) (0) (0) (0)	<222> 0 0 0 0 (0) (0) (0) (0)
salivary gl	lymphocytic infiltration	<29> 16 0 0 0 (55) (0) (0) (0)	30> 17 0 0 0 (57) (0) (0) (0)	221> 12 0 0 0 (57) (0) (0) (0)	<pre></pre>
Grade <a>> b (c) Significant d	1: Slight 2: Moderate 3 a: Number of animals examined at the si b: Number of animals with lesion c: b / a * 100 lifference; *: P ≤ 0.05 **: P ≤				

(HPT150)

ANIMAL : MOUSE Crj:BDF1

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

REPORT TYPE : A1

: FEMALE SEX

Organ	Findings	Group Name Control No. of Animals on Study 29 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 30 1 2 3 4 (%) (%) (%) (%)	400 ppm 21 1 2 3 4 (%) (%) (%) (%)	800 ppm 22 1 2 3 4 (%) (%) (%) (%)
[Digestive sy	vstem]				
stomach	hyperplasia:forestomach	\(\frac{\cappa_0}{29} \) \[\begin{pmatrix} 1 & 0 & 0 & 0 \\ (& 3) & (& 0) & (& 0) & (& 0) \end{pmatrix} \]	<30> 1 1 0 0 (3) (3) (0) (0)	<21> 0 0 0 0 0 0 0 0 0 0 0 0	<22> 1 1 0 0 (5) (5) (0) (0)
	erosion:glandular stomach	1 0 0 0 0 (3) (0) (0) (0)	1 0 0 0 (3) (0) (0) (0)	2 1 0 0 (10) (5) (0) (0)	0 0 0 0 0 (0) (0)
	hyperplasia:glandular stomach	4 24 0 0 (14) (83) (0) (0)	8 21 0 0 (27) (70) (0) (0)	8 12 1 0 (38) (57) (5) (0)	10 12 0 0 * (45) (55) (0) (0)
large intes	erosion	<29> 0 0 0 0 0 0 0 0 0 0 0	30> 1 0 0 0 (3) (0) (0) (0)	<21> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	<22> 0 0 0 0 0 0 0 0 0
Liver	angiectasis	(29) 1	30> 0 2 0 0 (0) (7) (0) (0)	21> 1 0 0 0 (5) (0) (0) (0)	<22> 0 0 0 0 0 0 0 0 0
	necrosis:focal	1 0 0 0 0 (3) (0) (0) (0)	0 1 0 0 (0) (3) (0) (0)	1 1 0 0 (5) (5) (0) (0)	0 0 0 0 0 (0) (0)
	necrosis:single cell	13 9 0 0 (45) (31) (0) (0)	7 1 0 0 ** (23) (3) (0) (0)	3 0 0 0 *** (14) (0) (0) (0)	9 4 0 0 (41) (18) (0) (0)
Grade <a>> b (c) Significant d	1: Slight 2: Moderate a: Number of animals examined at th b: Number of animals with lesion c: b / a * 100 lifference; *: P ≤ 0.05 **:	3: Marked 4: Severe e site P ≤ 0.01 Test of Chi Square			

ANIMAL : MOUSE C-j:BDF1

HISTOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY) SACRIFICED ANIMALS (105%)

REPORT TYPE : A1

SEX : FEMALE

Organ		up Name Control of Animals on Study 29 de <u>1 2 3 4</u> (%) (%) (%) (%)	200 ppm 30 1 2 3 4 (%) (%) (%) (%)	400 ppm 21 1 2 3 4 (%) (%) (%) (%)	800 ppm 22 1 2 3 4 (%) (%) (%) (%)
[Digestive	system]				
liver	inflammatory infiltration	<29> 0 0 1 0 (0) (0) (3) (0)	<30> 0 0 0 0 (0) (0) (0) (0)	<21> 0 0 0 0 0 (0) (0) (0) (0)	<22> 0 0 0 0 0 0 0 0 0 0 0
	lymphocytic infiltration	1 0 0 0 0 (3) (3) (6) (6)	1 0 0 0 (3) (0) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)
	granulation	1 1 0 0 (3) (3) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)
	inflammatory cell nest	24 0 0 0 (83) (0) (0) (0)	7 0 0 0 *** (23) (0) (0) (0)	2 0 0 0 *** (10) (0) (0) (0)	13 0 0 0 (59) (0) (0) (0)
	extramedullary hematopoiesis	1 0 0 0 0 (3) (0) (0) (0)	1 0 0 0 0 (3) (0) (0) (0)	0 0 0 0 0 (0) (0)	1 0 0 0 0 (5) (0) (0)
	clear cell focus	0 2 1 0 (0) (7) (3) (0)	3 3 1 0 (10) (10) (3) (0)	2 1 1 0 (10) (5) (5) (0)	0 1 0 0 (0) (5) (0) (0)
	acidophilic cell focus	0 1 0 0 (0) (0) (0)	0 3 26 0 ** (0) (10) (87) (0)	0 0 19 0 ** (0) (0) (90) (0)	0 0 22 0 ** (0) (0) (100) (0)
	basophilic cell focus	1 1 0 0 (3) (3) (0) (0)	4 1 0 0 (13) (3) (0) (0)	1 1 1 0 (5) (5) (5) (0)	0 2 0 0 (0) (9) (0) (0)
Grade <a>> b (c) Significan	1: Slight 2: Moderate 3: Ma a: Number of animals examined at the site b: Number of animals with lesion c: b / a * 100 t difference: *: P ≤ 0.05 **: P ≤ 0.				

(a)

ь (c)

ANIMAL : MOUSE Crj:BDF1

a: Number of animals examined at the site

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

b: Number of animals with lesion c: b / a * 100

REPORT TYPE : A1 SEX : FEMALE HISTOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY) SACRIFICED ANIMALS (105W)

0rgan	Findings	Group Name Control No. of Animals on Study 29 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 30 1 2 3 4 (%) (%) (%) (%)	400 ppm 21 1 2 3 4 (%) (%) (%) (%)	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
[Digestive s	vstem]				
liver	vacuolated cell focus	<29> 0 0 0 0 (0) (0) (0) (0)	<pre></pre>	<21> 0 0 0 0 (0) (0) (0) (0)	<22> 0 0 0 0 0 0 0 0 0 0 0
	spongiosis hepatis	0 0 0 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 0 0 0 0 (5) (0) (0) (0)	0 0 0 0 0 (0) (0)
	bile ductular proliferation	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 0 0 0 (3) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0) (0)
	swelling:central	2 0 0 0 0 (7) (7) (7) (7) (7)	6 1 0 0 (20) (3) (0) (0)	2 0 0 0 0 (10) (10) (10) (10)	4 6 0 0 *** (18) (27) (0) (0)
	nuclear atypia:central	2 0 0 0 0 (7) (7) (7) (7) (7)	6 0 0 0 0 (20) (0) (0)	1 0 0 0 (5) (0) (0) (0)	6 2 0 0 * (27) (9) (0) (0)
gall bladd	cyst	<pre></pre>	<30> 0 0 0 0 (0) (0) (0) (0)	<21> 0 0 0 0 0 0 0 0 0 0 0 0	<222> 1 0 0 0 (5) (0) (0) (0)
	easinophilic change	0 0 0 0 0 (0) (0)	1 0 0 0 0 (3) (0) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0) (0)
pancreas	lymphocytic infiltration	<29> 0 0 0 0 (0) (0) (0) (0)	<30> 0 0 0 0 (0) (0) (0) (0)	<21> 0 0 0 0 (0) (0) (0) (0)	<22> 1 0 0 0 (5) (0) (0) (0)

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1
SEX : FEMALE

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

PAGE: 23

Organ	Findings	Group Name Control No. of Animals on Study 29 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 30 1 2 3 4 (%) (%) (%) (%)	400 ppm 21 1 2 3 4 (%) (%) (%) (%)	800 ppm 22 1 2 3 4 (%) (%) (%) (%)
[Urinary sy	rstem]				
kidney	infarct	\(\frac{29}{0} \) \(\frac{1}{0} \) \(\frac{0}{0} \)	<30> 0 0 0 0 0 0 0 0 0 0 0	3 0 0 0 (14) (0) (0) (0)	<22> 1 0 0 0 (5) (0) (0) (0)
	hydropic change	1 0 0 0 0 (3) (3) (0) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 0 (0) (0) (0)
	hyaline droplet	(0) (0) (0) (0)	3 0 0 0 (10) (0) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)
	basophilic change	1 1 0 0 (3) (3) (0) (0)	2 0 0 0 0 (7) (0) (0) (0)	1 1 0 0 (5) (5) (0) (0)	4 0 0 0 (18) (0) (0) (0)
	hyaline cast	1 .0 0 0 0 (3) (0) (0) (0)	9 0 0 0 *	4 0 0 0 (19) (0) (0) (0)	2 0 0 0 0 (9) (0) (0)
	lymphocytic infiltration	5 0 0 0 (17) (0) (0) (0)	3 1 0 0 (10) (3) (0) (0)	2 0 0 0 0 (10) (0) (0)	1 0 0 0 (5)(0)(0)(0)
	inflammatory cell nest	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0) (0)	1 0 0 0 (5)(0)(0)(0)
	inflammatory polyp	1 0 1 0 (3) (0)	0 1 0 0 (0) (0)	0 1 0 0 (0) (5) (0) (0)	0 0 0 0 0 (0) (0) (0)

Grade 1: Slight 2: Moderate 3: Moderate 4: Number of animals examined at the site

b b: Number of animals with lesion

(c) c:b/a*100 Significant difference; *: $P \le 0.05$ **: $P \le 0.01$ Test of Chi Square

ANIMAL

: MOUSE Cri:BDF1

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

REPORT TYPE : A1 SEX : FEMALE

Group Name Control 200 ppm 400 ppm Mqq 008 No. of Animals on Study 21 22 Grade Findings_ (%) (%) (%) (%) [Urinary system] kidney <29> <30> hydronephrosis 2 0 0 0 0 (0)(7)(0)(0) (0)(0)(0)(0) (5)(0)(0)(0) (0)(0)(0)(0) mineralization:papilla 0 (0)(0)(0)(0) (0)(0)(0)(0) (5)(0)(0)(0) (0)(0)(0)(0) urothelial hyperplasia:pelvis 0 0 0 0 0 (0)(0)(0)(0) (0)(0)(0)(0) (5)(0)(0)(0) (0)(0)(0)(0) [Endocrine system] pituitary ⟨29⟩ ⟨21⟩ angiectasis 0 0 0 0 (3)(0)(0)(0) (7)(7)(0)(0) (0)(0)(0)(0) (0)(0)(0)(0) cyst 0 2 0 (7)(0)(0)(0) (7)(3)(0)(0) (10) (0) (0) (0) (14) (0) (0) (0) hyperplasia 11 6 0 5 0 (45) (7) (0) (0) (37) (20) (0) (0) (24) (19) (0) (0) (14) (0) (0) (0) focal hypertrophy (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)

b

(c)

a: Number of animals examined at the site

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

b: Number of animals with lesion

c:b/a * 100

ANIMAL : MOUSE Crj:BDF1

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

REPORT TYPE : A1 SEX : FEMALE

Organ	Findings	Group Name Control No. of Animals on Study 29 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 30 1 2 3 4 (%) (%) (%) (%)	400 ppm 21 1 2 3 4 (%) (%) (%) (%)	800 ppm 22 1 2 3 4 (%) (%) (%) (%)
(Endocrine s	system]				
thyroid	inflammatory infiltration	<29> 0 0 0 0 (0) (0) (0) (0)	<30> 0 0 0 0 (0) (0) (0) (0)	<pre></pre>	222> 1 0 0 0 (5) (0) (0) (0)
adrenal	angiectasis	<29> 0 0 0 0 (0) (0) (0) (0)	<30> 0 0 0 0 (0) (0) (0) (0)	<pre></pre>	222> 1 0 0 0 (5) (0) (0) (0)
	inflammatory infiltration	0 0 0 0 0 0 (0) (0)	1 0 0 0 0 (3) (0) (0) (0)	1 0 0 0 0 (5) (0) (0) (0)	0 0 0 0 0 (0) (0)
	extramedullary hematopoiesis	0 0 0 0 0 (0) (0)	1 0 0 0 0 (3) (0) (0) (0)	1 0 0 0 0 (5) (0) (0) (0)	0 0 0 0 0 (0) (0)
	spindle-cell hyperplasia	18 10 0 0 (62) (34) (0) (0)	29 1 0 0 ** (97) (3) (0) (0)	20 1 0 0 * (95) (5) (0) (0)	21 0 0 0 *** (95) (0) (0) (0)
	hyperplasia:cortical cell	(0) (0) (0) (0)	1 0 0 0 0 (3) (0) (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 0 (0) (0)
	hyperplasia:modulla	(0) (0) (0) (0)	1 0 0 0 (3) (0) (0) (0)	1 0 0 0 0 (5) (0) (0) (0)	0 0 0 0 0 (0) (0)
	accesory cortical nodule	2 0 0 0 0 (7) (0) (0) (0)	0 0 0 0 0 0 (0) (0)	1 0 0 0 (5) (0) (0) (0)	1 0 0 0 (5) (0) (0) (0)

Grade 1 : Slight

2 : Moderate

3 : Marked

4 : Severe

(a) a: Number of animals examined at the site

b: Number of animals with lesion

(c) c:b/a*100

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

(HPT150)

b

BAIS3

ANIMAL : MOUSE Crj:BDF1

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

REPORT TYPE : A1 SEX

: FEMALE PAGE: 26

Organ		Group Name Control No. of Animals on Study 29 Grade 1 2 3 4 (%) (%) (%)	200 ppm 30 1 2 3 4 (%) (%) (%) (%)	400 ppm 21 1 2 3 4 (%) (%) (%) (%)	800 ppm 22 1 2 3 4 (%) (%) (%) (%)
[Endocrine	system]				
adrenal	focal fatty change:cortex	(29) 1 1 0 0 (3) (3) (0) (0)	<30> 0 1 0 0 (0) (3) (0) (0)	<21> 0 0 0 0 (0) (0) (0) (0)	<22> 0 0 0 0 (0) (0) (0) (0)
[Reproducti	ive system]				
DUALY	angiectasis	(29) 0 0 0 0 (0) (0) (0) (0)	30> 1 0 0 0 (3) (0) (0) (0)	<20> 0 0 0 0 0 0 0 0 0 0 0	<22> 1 0 0 0 (5) (0) (0) (0)
	thrombus	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0) (0)	0 0 1 0	1 0 0 0 0 (5) (0) (0) (0)
	cyst	10 0 0 0 0 (34) (0) (0) (0)	5 0 0 0 (17) (0) (0) (0)	4 1 0 0 (20) (5) (0) (0)	0 2 0 0 ** (0) (9) (0) (0)
uterus	thrombus	<pre></pre>	<30> 1 0 1 0 (3) (0) (3) (0)	<21> 0 0 0 0 0 0 0 0 0 0 0 0	<22> 0 0 0 0 (0) (0) (0) (0)
	lymphocytic infiltration	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0) (0)	1 0 0 0 0 (5) (0) (0) (0)	0 0 0 0 0 (0) (0)
Grade <a>> b (c) Significant	 a: Number of animals examined at the si b: Number of animals with lesion c: b / a * 100 	: Marked 4 : Severe te 0.01 Test of Chi Square			

(HPT150)

BAIS3

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 SEX : FEMALE

HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)

SACRIFICED ANIMALS (105W)

)rgan	Findings	Group Name Control No. of Animals on Study 29 Grade 1 2 3 4 (%) (%) (%) (%)	200 ppm 30 1 2 3 4 (%) (%) (%) (%)	400 ppm 21 1 2 3 4 (%) (%) (%) (%)	800 ppm 22 1 2 3 4 (%) (%) (%) (%)
Reproductive	e system]				
terus	cystic endometrial hyperplasia	29> 20 6 0 0 (69) (21) (0) (0)	<30> 14 8 1 0 (47) (27) (3) (0)	<21> 16 3 0 0 (76) (14) (0) (0)	<pre></pre>
	xanthogranuloma	0 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 0 0 (0) (5) (0) (0)	0 1 0 0 (0) (0)
mmary gl	hyperplasia	<29> 0 1 0 0 (0) (3) (0) (0)	<30> 0 0 0 0 (0) (0) (0) (0)	0 0 0 0 (0) (0) (0) (0)	<22> 0 0 0 0 (0) (0) (0) (0)
	squamous cell metaplasia	1 0 0 0 0 (3) (.0) (0)	0 0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0) (0)
	atypical 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	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)
	galactocele	(0) (0) (0) (0)	0 0 0 0 0 0 (0) (0)	1 0 0 0 0 (5) (0) (0)	0 0 0 0 0 0 (0) (0)
lervous systi	em]				
ain	hemorrhage	<29> 0 0 0 0 0 0 0 0 0 0 0	30> 1 0 0 0 (3) (0) (0) (0)	<21> 0 0 0 0 (0) (0) (0) (0)	<22> 1 0 0 0 (5) (0) (0) (0)

Grade 1 : Slight (a)

2 : Moderate

3 : Marked

4 : Severe

a: Number of animals examined at the site

b

b: Number of animals with lesion

(c) c:b/a * 100

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

(HPT150)

BAIS3

STUDY NO. : 0297
ANIMAL : MOUSE C-j:BDF1
REPORT TYPE : A1 SEX : FEMALE

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

Organ		p Name Control of Animals on Study 29 9	200 ppm 30 1 2 3 4 (%) (%) (%) (%)	400 ppm 21 1 2 3 4 (%) (%) (%) (%)	800 ppm 22 1 2 3 4 (%) (%) (%) (%)
[Nervous sys	stem]				
brain	mineralization	<29> 11 0 0 0 (38) (0) (0) (0)	\(\lambda 30 \rangle \) 13	221> 12 0 0 0 (57) (0) (0) (0)	(22) 13 0 0 0 (59) (0) (0) (0)
[Special ser	nse preans/appendage]				
өуө	cataract	(29) 1 0 0 0 (3) (0) (0) (0)	30> 3 0 0 0 (10) (0) (0) (0)	(21) 1 0 0 0 (5) (0) (0) (0)	<22> 3 0 0 0 (14) (0) (0) (0)
	keratitis	0 1 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0)	0 0 0 0 0 (0) (0) (0)
	degeneration:cornea	2 0 0 0 0 (7) (0) (0) (0)	0 0 0 0 0 (0) (0)	1 0 0 0 0 (5) (0) (0) (0)	2 0 0 0 0 (9) (9) (0) (0)
Harder gl	granulation	(29) 0 0 1 0 (0) (0) (3) (0)	<30> 0 0 0 0 (0) (0) (0) (0)	<21> 0 0 0 0 0 0 0 0 0 0 0 0	<222> 0 0 0 0 (0) (0) (0) (0)
Grade <a>> b (c) Significant (HPT150)	1: Slight 2: Moderate 3: Mar a: Number of animals examined at the site b: Number of animals with lesion c: b/a * 100 difference; *: $P \le 0.05$ **: $P \le 0.01$	1 1 1000, 0			

BAIS3

APPENDIX K1

NUMBER OF ANIMALS WITH TUMORS AND NUMBER OF TUMORS-TIME RELATED MOUSE: MALE (2-YEAR STUDY)

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

STUDY NO. : 0297

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1

SEX : MALE

ime-related Weeks	Items	Group Name	Control	200 ppm	400 ppm	800 ppm	
0 - 52	NO. OF EXAMINED ANIMALS		0	0	0	1	
	NO. OF ANIMALS WITH TUMORS		0	۸	٥	•	
	NO. OF ANIMALS WITH SINGLE TUMORS		0	0	0	0	
	NO. OF ANIMALS WITH MULTIPLE TUMORS		0	0	Ŏ	0	
	NO. OF BENIGN TUMORS		0	0	0	0	
	NO. OF MALIGNANT TUMORS		0	0	Ö	Ö	
	NO. OF TOTAL TUMORS		0	0	0	0	
53 - 78	NO. OF EXAMINED ANIMALS		4	3	1	3	
	NO. OF ANIMALS WITH TUMORS		0	2	1	0	
	NO. OF ANIMALS WITH SINGLE TUMORS		ő	1	1	2 2	
	NO. OF ANIMALS WITH MULTIPLE TUMORS		0	î	0	0	
	NO. OF BENIGN TUMORS		0	3	0	0	
	NO. OF MALIGNANT TUMORS		0	1	1	2	
	NO. OF TOTAL TUMORS		0	4	1	2	
79 - 104	NO. OF EXAMINED ANIMALS		9	14	11	6	
	NO. OF ANIMALS WITH TUMORS		9	14	11		
	NO. OF ANIMALS WITH SINGLE TUMORS		5	6	2	6 1	
	NO. OF ANIMALS WITH MULTIPLE TUMORS		4	8 .	9	5	
	NO. OF BENIGN TUMORS		2	10	9	5	
	NO. OF MALIGNANT TUMORS NO. OF TOTAL TUMORS		12	16	16	9	
	NO. OF TOTAL TOMONS	T	14	26	25	14	
105 - 105	NO. OF EXAMINED ANIMALS		37	33	37	40	
	NO. OF ANIMALS WITH TUMORS		18	32	36	40	
	NO. OF ANIMALS WITH SINGLE TUMORS		13	11	15	40 18	
	NO. OF ANIMALS WITH MULTIPLE TUMORS		5	21	21	22	
	NO. OF BENIGN TUMORS		12	40	43	48	
	NO. OF MALIGNANT TUMORS		11	27	25	22	
	NO. OF TOTAL TUMORS		23	67	68	70	

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 SEX : MALE NUMBER OF ANIMALS WITH TUMORS AND NUMBER OF TUMORS - TIME RELATED

PAGE: 2

Time-related ItemsWeeks	Group Name	Control	200 ppm	400 ppm	800 ppm
0 - 105 NO. OF EXAMINED ANIMALS		50	50	49	50
NO. OF ANIMALS WITH TUMORS NO. OF ANIMALS WITH SINGLE TUM NO. OF ANIMALS WITH MULTIPLE T	ORS UMORS	27 18 9	48 18 30	48 18 30	48 21 27
NO. OF BENIGN TUMORS NO. OF MALIGNANT TUMORS NO. OF TOTAL TUMORS		14 23 37	53 44 97	52 42 94	53 33 86

(HPT070)

BAIS3

APPENDIX K 2

NUMBER OF ANIMALS WITH TUMORS AND NUMBER OF TUMORS-TIME RELATED MOUSE: FEMALE (2-YEAR STUDY)

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

STUDY NO. : 0297
ANIMAL : MOUSE C-j:BDF1
REPORT TYPE : A1
SEX : FEMALE

Time-related Weeks	Items	Group Name	Control	200 ppm	400 ppm	Mqq 008	
0 - 52	NO. OF EXAMINED ANIMALS		2	0	^		
	NO. OF ANIMALS WITH TUMORS		_	V	0	1	
	NO. OF ANIMALS WITH SINGLE TUMORS		1	0	0	1	
	NO. OF ANIMALS WITH MULTIPLE TUMORS		1	0	0	0	
			V	0	0	1 .	
	NO. OF BENIGN TUMORS NO. OF MALIGNANT TUMORS		0	0	0	1	
	NO. OF TOTAL TUMORS		1	0	0	1	
	Total Total		1	0	0	2	
53 - 78	NO. OF EXAMINED ANIMALS						
			4	5	4	3	
	NO. OF ANIMALS WITH TUMORS		3	5	4	•	
	NO. OF ANIMALS WITH SINGLE TUMORS		2	2	4	3 1	
	NO. OF ANIMALS WITH MULTIPLE TUMORS		1	3	4	2	
	NO. OF BENIGN TUMORS		2	•		_	
	NO. OF MALIGNANT TUMORS		3	3 6	5	3	
	NO. OF TOTAL TUMORS		5	9	6 11	3 6	
79 - 104	NO. OF EXAMINED ANIMALS	· · · · · · · · · · · · · · · · · · ·	14	15	25	00	
	NO. OF ANIMALS WITH TUMORS				20	23	
	NO. OF ANIMALS WITH SINGLE TUMORS		11	15	25	23	
	NO. OF ANIMALS WITH MULTIPLE TUMORS		10 1	5	1	1	
	NO OF PERSON STATES		1	10	24	22	
	NO. OF BENIGN TUMORS NO. OF MALIGNANT TUMORS		0	17	28	25	
	NO. OF TOTAL TUMORS		12	18	39	31	
· · · · · · · · · · · · · · · · · · ·			12	35	67	56	
105 - 105	NO. OF EXAMINED ANIMALS		29	30	21	22	
	NO. OF ANIMALS WITH TUMORS				51	46	
	NO. OF ANIMALS WITH SINGLE TUMORS		22	30	21	22	
	NO. OF ANIMALS WITH MULTIPLE TUMORS		12 10	4 26	2 19	6	
	NO. OF BENIGN TUMORS			20	19	16	
	NO. OF MALIGNANT TUMORS		17	48	33	24	
	NO. OF TOTAL TUMORS		18 35	34	23	20	
(PT070)			OU.	82	56	44	

ANIMAL : MOUSE Crj:BDF1

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

REPORT TYPE : A1

SEX : FEMALE

PAGE: 4

Time-related Weeks	Items	Group Name	Control	200 ppm	400 ppm	800 ppm	
0 - 105	NO. OF EXAMINED ANIMALS		49	50	50	49	
	NO. OF ANIMALS WITH TUMORS NO. OF ANIMALS WITH SINGLE TUMORS NO. OF ANIMALS WITH MULTIPLE TUMORS		37 25 12	50 11 39	50 3 47	49 8 41	
	NO. OF BENIGN TUMORS NO. OF MALIGNANT TUMORS NO. OF TOTAL TUMORS		19 34 53	68 58 126	66 68 134	53 55 108	
(HPT070)				****			

BAIS3

APPENDIX L1

HISTOLOGICAL FINDINGS: NEOPLASTIC LESIONS: SUMMARY, MOUSE: MALE

(2-YEAR STUDY)

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1

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

: MALE

stem/appandage] guamous cell papilloma	<50> 0 (0%)	<50>	< 49>	
	0 (0%)		/40\	
i poma	•	0 (0%)	0 (0%)	<50> 1 (2%)
	<50> 1 (2%)	<50> 1 (2%)	<49> 0 (0%)	<50> 0 (0%)
anthoma	0 (0%)	0 (0%)	1 (2%)	0 (0%)
chwannoma:malignant	0 (0%)	0 (0%)	1 (2%)	0 (0%)
sticcytic sarcoma	0 (0%)	0 (0%)	0 (0%)	1 (2%)
omangiosarcoma	1 (2%)	0 (0%)	0 (0%)	1 (2%)
an]				- (-//
ronchiplar-alveolar adenoma	<50> 2 (4%)	<50> 7 (14%)	<49> 4 (8%)	<50> 7 (14%)
onchiolar-alveolar carcinoma	8 (16%)	6 (12%)	3 (6%)	2 (4%)
tem]				
lisnant lymphoma	<50> 4 (8%)	<50> 4 (8%)	<49> 7 (14%)	<50> 4 (8%)
stcytoma:malignant	1 (2%)	1 (2%)	2 (4%)	0 (0%)
mangioma	<50> 1 (2%)	<50> 2 (4%)	<49> 0 (0%)	<50> 0 (0%)
: Number of animals examined at the site : Number of animals with neoplasm	10	-		
ite L	em] ignant lymphoma tcytoma:malignant angioma Number of animals examined at the site	ignant Lymphoma (50) tcytoma:malignant 1 (2%) angioma (50) (50) (50) (50) (50) 1 (2%)	S (10%) 6 (12%) S (10%) 6 (12%) S (10%) 6 (12%) S (10%) 6 (12%) 6 (12%) S (10%) 6 (12%) 6 (12%) S (12%) 6	S (10%)

ANIMAL : MOUSE C-j:BDF1

REPORT TYPE : A1 SEX : MALE HISTOLOGICAL FINDINGS : NEOPLASTIC LESIONS (SUMMARY) ALL ANIMALS (0-105W)

Organ	Findings	Group Name Control No. of animals on Study 50	200 ppm 50	400 ppm 49	800 ppm 50
[Hematopoieti	c system]				
pleen	malignant lymphoma	<50> 1 (2%)	<50> 0 (0%)	<49> 1 (2%)	<50> 0 (0%)
	hemangiosarcoma	3 (6%)	1 (2%)	0 (0%)	1 (2%)
Circulatory	system]			10	- (<i>- 2</i> ₀)
neart	sarcoma:NOS	<50> 0 (0%)	<50> 0 (0%)	<49> 1 (2%)	<50> 0 (0%)
Digestive sy	stem]				
ongue	squamous cell papilloma	<50> 0 (0%)	<50> 0 (0%)	<49> 0 (0%)	<50> 1 (2%)
tomach	squamous cell papilloma	<50> 1 (2%)	<50> 0 (0%)	<49> 0 (0%)	<50> 0 (0%)
	histiocytic sarcoma	0 (0%)	1 (2%)	0 (0%)	0 (0%)
	neuroendocrine cell tumor:malignant	0 (0%)	0 (0%)	1 (2%)	0 (0%)
all intes	adenoma	<50> 0 (0%)	<50> 1 (2%)	<49> 0 (`0%)	<50> 0 (0%)
ver	hemangioma	<50> 1 (2%)	<50> 2 (4%)	<49> 0 (0%)	<50> 1 (2%)
	hepatocellular adenoma	6 (12%)	36 (72%)	41 (84%)	41 (82%)
	histiocytic sarcoma	0 (0%)	2 (4%)	2 (4%)	1 (2%)
<a>> (c)	a: Number of animals examined at the site b: Number of animals with neoplasm c:	o/a*100			

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1
SEX : MALE

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

Organ	Findings	Group Name Control No. of animals on Study 50	200 ppm 50	400 ppm 49	800 ppm 50
Digestive sy	vstem]				
iver	hemangiosarcoma	<50> 2 (4%)	<50> 2 (4%)	<49> 0 (0%)	<50> 0 (0%)
	hepatocellular carcinoma	2 (4%)	12 (24%)	16 (33%)	16 (32%)
	hepatoblastoma	0 (0%)	13 (26%)	7 (14%)	4 (8%)
ancreas	islet cell adenoma	<50> 0 (0%)	<50> 0 (0%)	<49> 1 (2%)	<50> 0 (0%)
	islet cell adenocarcinoma	1 (2%)	0 (0%)	0 (0%)	0 (0%)
Urinary syst	em]				
idney	renal cell adenoma	<50> 0 (0%)	<50> 0 (0%)	<49> 1 (2%)	<50> 0 (0%)
indocrine sy	stem)				
tuitary	adenoma	<50> 1 (2%)	<50> 0 (0%)	<48> 1 (2%)	<50> 0 (0%)
nyroid	C-cell carcinoma	<50> 0 (0%)	<50> 0 (0%)	<48> 0 (0%)	<50> 1 (2%)
renal	pheochromocytoma	<50> 0 (0%)	<50> 0 (0%)	<49> 1 (2%)	<50> 0 (0%)
	cortical adenoma	1 (2%)	2 (4%)	0 (0%)	0 (0%)
eproductive	system]				
stis	interstitial cell tumor	<50> 0 (0%)	<50> 0 (0%)	<49> 1 (2%)	<49> 0 (0%)

ANIMAL : MOUSE C-j:BDF1
REPORT TYPE : A1

: MALE

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

PAGE: 4

Organ	Findings	Group Name Control No. of animals on Study 50	200 ppm 50	400 ppm 49	800 ppm 50
[Reproductive	system]				
orep/cligl	adenoma	<50> 0 (0%)	<50> 1 (2%)	<49> 0 (0%)	<50> 0 (0%)
Nervous syst	em]				- (1,0)
eriph nerv	histiocytic sarcoma	<50> 0 (0%)	<50> 1 (2%)	<49> 0 (0%)	<50> 0 (0%)
Special sens	e organs/appendage]			, ,,,,	· (•),u)
larder gl	adenoma	<50> 0 (0%)	<50> 1 (2%)	<49> 1 (2%)	<50> 2 (4%)
	adenocarcinoma	0 (0%)	1 (2%)	0 (0%)	0 (0%)
Body cavities	la l				- (7/0)
eritoneum	histiocytic sarcoma	<50> 0 (0%)	<50> 0 (0%)	<49> 1 (2%)	<50> 2 (4%)
(a)	a: Number of animals examined at the site b: Number of animals with neoplasm c:b/a*10	00			
HPT085)		· -			

BAIS3

APPENDIX L2

HISTOLOGICAL FINDINGS: NEOPLASTIC LESIONS: SUMMARY, MOUSE: FEMALE

(2-YEAR STUDY)

HISTOLOGICAL FINDINGS: NEOPLASTIC LESIONS (SUMMARY)

: MOUSE Crj:BDF1

ALL ANIMALS (0-105W)

ANIMAL REPORT TYPE : AI

SEX

: FEMALE

800 ppm 200 ppm 400 ppm Group Name Control 50 No. of animals on Study Findings_ [Integumentary system/appandage] **〈49〉** ⟨50⟩ <50> ⟨49⟩ subcutis 0 (0%) 1 (2%) 0 (0%) 0 (0%) myxoma 1 (2%) 0 (0%) 0 (0%) 3 (6%) hemangioma 0 (0%) 0 (0%) 0 (0%) 1 (2%) Leiomyosarcoma 0 (0%) 1 (2%) 0%) 0 (0%) schwannoma:malignant 0 (0%) 1 (2%) 0 (0%) 0 (0%) hemangiosarcoma [Respiratory system] <49> <50> <49> <50> lung 1 (2%) 5 (10%) 2 (4%) 4 (8%) bronchiolar-alveolar adenoma 0 (0%) 2 (4%) 2 (4%) 1 (2%) bronchiolar-alveolar carcinoma [Hematopoietic system] ⟨50⟩ <49> <49> <50> bone marrow 0 (0%) 1 (2%) 0 (0%) 0 (0%) hemangioma 1 (2%) 1 (2%) 0 (0%) 1 (2%) hemangiosarcoma ⟨49⟩ ⟨50⟩ <50> <49> Lymph node 1 (2%) 1 (2%) 0 (0%) 0 (0%) hemangioma 7 (14%) 3 (6%) 13 (27%) 9 (18%) malignant lymphoma

(HPT085)

BAIS3

⁽a) a: Number of animals examined at the site

b (c) b: Number of animals with neoplasm c:b/a * 100

STUDY NO. : 0297 ANIMAL : MOUSE Crj:BDF1 HISTOLOGICAL FINDINGS : NEOPLASTIC LESIONS (SUMMARY) ALL ANIMALS (0-105W)

REPORT TYPE : A1

SEX : FEMALE PAGE: 6

BAIS3

Organ	Findings	Group Name Control No. of animals on Study 49	200 ppm 50	400 ppm 50	800 ppm 49
[Hematopoietio	c system]				
lymph nade	hemangiosarcoma	<49> 0 (0%)	<50> 1 (2%)	<50> 0 (0%)	<49> 0 (0%)
hymus	malignant lymphoma	<49> 2 (4%)	<50> 1 (2%)	<50> 1 (2%)	<49> 0 (0%)
spleen	hemangioma	<49> 0 (0%)	<50> 0 (0%)	<50> 1 (2%)	<49> 0 (0%)
	histiocytic sarcoma	0 (0%)	1 (2%)	0 (0%)	0 (0%)
	malignant Lymphoma	0 (0%)	2 (4%)	1 (2%)	0 (0%)
	hemangiosarcoma	1 (2%)	0 (0%)	3 (6%)	3 (6%)
Digestive sy	stem]				
tomach	squamous cell papilloma	<49> 1 (2%)	<50> 0 (0%)	<49> 1 (2%)	0 (0%)
	mastcytoma:malignant	0 (0%)	0 (0%)	0 (0%)	1 (2%)
mall intes	adenocarcinoma	<49> 0 (0%)	<50> 0 (0%)	<50> 1 (2%)	<49> 0 (0%)
liver	hemangioma	<49> 2 (4%)	<50> 0 (0%)	<50> 0 (0%)	<49> 3 (6%)
	hepatocellular adenoma	1 (2%)	42 (84%)	47 (94%)	48 (98%)
	histiocytic sarcoma	1 (2%)	1 (2%)	4 (8%)	1 (2%)
<a>> b (c)	a: Number of animals examined at the site b: Number of animals with neoplasm c:b/a	* 100			

⁽HPT085)

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

ANIMAL : MOUSE Crj:BDF1 REPORT TYPE : A1

: FEMALE SEX

PAGE: 7

BAIS3

rgan	Findings	Group Name Control No. of animals on Study 49	200 pp	n 50	400 ppm 50	800 ppm 49
Digestive sys	ten]					
liver	hepatocellular carcinoma	<49> 3 (6		<50> (50%)	<50> 32 (64%)	<49> 35 (71%)
	hepatoblastoma	0 ((0%) 0	(0%)	4 (8%)	0 (0%)
pancreas	hemangioma	(49) 1 (2		<50> (0%)	<50> 0 (0%)	<49> 0 (0%)
Urinary syste	om]					
rin bladd	hemangioma	<49) 0 (0		<50> (0%)	<50> 1 (2%)	<49> 0 (0%)
Endocrine sys	etem]					
pituitary	adenoma	<493 7 (12		<50> (18%)	<49> 6 (12%)	<49> 0 (0%)
drenal	hemangiosarcoma	<490 1 ()		<50> (0%)	<50> 0 (0%)	<49> 0 (0%)
[Reproductive	system]					
DUALLÀ	cystadenoma	<499 0 ()		<49> (2%)	<49> 1 (2%)	<49> 0 (0%)
ıterus	endometrial stromal polyp	<49 0 (<50> (4%)	<50> 1 (2%)	<49> 0 (0%)
	leiomyosarcoma	0 (0%) 0	(0%)	1 (2%)	0 (0%)
	histiocytic sarcoma	10 (2	0%) 12	(24%)	11 (22%)	6 (12%)

⁽HPT085)

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

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1 SEX : FEMALE

Findings	Group Name Control No. of animals on Study 49	200 ppm 50	400 ppm 50	800 ppm 49
system]				
endometrial stromal sarcoma	<49> 0 (0%)	<50> 1 (2%)	<50> 0 (0%)	<49> 0 (0%)
xanthoma	<49> 0 (0%)	<50> 1 (2%)	<50> 0 (0%)	<49> 0 (0%)
adenoma .	<49> 1 (2%)	<50> 1 (2%)	<50> 0 (0%)	<49> 0 (0%)
adenoacanthoma	0 (0%)	1 (2%)	0 (0%)	0 (0%)
adenocarcinoma	1 (2%)	0 (0%)	0 (0%)	0 (0%)
n]				
meningioma:malignant	<49> 0 (0%)	<50> 0 (0%)	<50> 0 (0%)	<49> 1 (2%)
schwannoma:malignant	<49> 0 (0%)	<50> 0 (0%)	<50> 0 (0%)	<49> 1 (2%)
organs/appendage]				
adenoma	<49> 1 (2%)	<50> 4 (8%)	<50> 1 (2%)	<49> 1 (2%)
adenocarcinoma	0 (0%)	0 (0%)	0 (0%)	1 (2%)
al system]				
osteosarcoma	<49> 0 (0%)	<50> 0 (0%)	<50> 0 (0%)	<49> 1 (2%)
	endometrial stromal sarcoma xanthoma adenoma adenoacanthoma adenocarcinoma n] meningioma:malignant schwannoma:malignant organs/appendage] adenoma adenocarcinoma al system]	No. of animals on Study	No. of animals on Study	No. of animals on Study

STUDY NO. : 0297 ANIMAL

: MOUSE Crj:BDF1

HISTOLOGICAL FINDINGS : NEOPLASTIC LESIONS (SUMMARY)

ALL ANIMALS (0-105W)

REPORT TYPE : A1 : FEMALE SEX

200 ppm Group Name Control 400 ppm 800 ppm Organ____ Findings_ No. of animals on Study 50 50 49 [Body cavities] peritoneum <49> ⟨50⟩ <50> <49> 1 (2%) 0 (0%) 0 (0%) histiocytic sarcoma 0 (0%) (a) a : Number of animals examined at the site b (c) b: Number of animals with neoplasm c:b/a*100 (HPT085) BAIS3

APPENDIX M 1

NEOPLASTIC LESIONS - INCIDENCE AND STATISTICAL ANALYSIS, MOUSE: MALE $(\hbox{2-YEAR STUDY}\,)$

STUDY No. : 0297

ANIMAL : MOUSE C-j:BDF1
SEX : MALE

Group Name	Control	200 ppm	400 ppm	800 ppm	
-	SITE : lung				
_	TUMOR : bronchiplar-alveol	ar adenoma			
îumor rate					
Overall rates(a)	2/50(4.0)	7/50(14.0)	4/49(8.2)	7/50(14.0)	
Adjusted rates(b) Terminal rates(c)	5.41	16.22	10.81	17.50	
Statistical analysis	2/37(5.4)	5/33(15.2)	4/37(10.8)	7/40(17.5)	
Peto test				1, 13 (1110)	
Standard method(d)	P =				
Prevalence method(d)	P = 0.1271				
Combined analysis(d)	P =				
Cochran-Armitage test(e)	P = 0.2019				
Fisher Exact test(e)		P = 0.0798	D 0 0000		
			P = 0.3292	P = 0.0798	
	Olmp				
	SITE : lung				
Cumor rate	TUMOR : bronchiolar-alveol	ar carcinoma			
Overall rates(a)	8/50(16.0)	6/50(12.0)	*****		
Adjusted rates(b)	17.50	15.15	3/49(6.1)	2/50(4.0)	
Terminal rates(c)	6/37(16,2)	5/33(15.2)	6.52	2.22	
Statistical analysis	, ,	0,00(10.2)	1/37(2.7)	0/40(0.0)	
Peto test					
Standard method(d)	P = 0.5409				
Prevalence method(d)	P = 0.9932				
Combined analysis(d)	P = 0.9889				
Cochran-Armitage test(e) Fisher Exact test(e)	P = 0.0314*				
TISIN EXACT (BST(B)		P = 0.3871	P = 0.1061	P = 0.0458*	
	O.T.M.D.				
	SITE : lung	and the second s			
umor rate	zonon • Michigrat -at/060f3	ar adenoma,bronchiolar-alveolar carcinom	a		
Overall rates(a)	10/50(20.0)	13/50(-26.0)	5 (10(11 1)		
Adjusted rates(b)	22,50	30.56	7/49(14.3)	9/50(18.0)	
Terminal rates(c)	8/37(21.6)	10/33(30.3)	15.22	17.78	
tatistical analysis		20/00(00.0)	5/37(13.5)	7/40(17.5)	
Peto test					
Standard method(d)	P = 0.5409				
Prevalence method(d)	P = 0.7550				
Combined analysis(d)	P = 0.7596				
Cochran-Armitage test(e) Fisher Exact test(e)	P = 0.5310				
LISTON EXACT TOST(8)		P = 0.3176	P = 0.3137	P = 0.5000	

STUDY No. : 0297

ANIMAL : MOUSE Crj:BDF1
SEX : MALE PAGE: 2

Group Name	Control	200 ppm	400 ppm	800 ppm	
	SITE : Lymph node				
Tumor rate	TUMOR : malignant lymphoma				
Overall rates(a)	4/50(8.0)	4/50(8.0)	7/10/14 0		
Adjusted rates(b)	8.11	3.03	7/49(14.3) 13.51	4/50(8.0)	
Terminal rates(c)	3/37(8.1)	1/33(3.0)	5/37(13.5)	7.50	
Statistical analysis Peto test			5,51 (15.0)	3/40(7.5)	
Standard method(d)	P = 0.6376				
Prevalence method(d)	P = 0.6376 P = 0.4013				
Combined analysis(d)	P = 0.5142				
Cochran-Armitage test(e)	P = 0.8998				
Fisher Exact test(e)		P = 0.3575	P = 0.2505	D 0.0555	
			. 0.2000	P = 0.3575	
	SITE : spleen				
	TUMOR : hemangiosarcoma				
umor rate	To the state of th				
Overall rates(a)	3/50(6.0)	1/50(2.0)	0/49(0.0)	4 (50 (. 0. 1)	
Adjusted rates(b)	2.44	3.03	0.0	1/50(2.0)	
Terminal rates(c) Statistical analysis	0/37(0.0)	1/33(3.0)	0/37(0.0)	2.50 1/40(2.5)	
Peto test				1/40(2.5)	
Standard method(d)	P = 0.9761 ?				
Prevalence method(d)	P = 0.5435				
Combined analysis(d)	P = 0.8844				
Cochran-Armitage test(e)	P = 0.2527				
Fisher Exact test(e)		P = 0.3087	P = 0.1250	P = 0.3087	
				r = 0.3007	
	SITE : liver				·
	TUMOR : hepatocellular adenoma				
umor rate	The state of the s				
Overall rates(a)	6/50(12.0)	36/50(72.0)	41/49(83.7)	41 (50 (00 0)	
Adjusted rates(b)	14.63	90.91	90.91	41/50(82.0) 93.18	
Terminal rates(c) Statistical analysis	5/37(13.5)	30/33(90.9)	33/37(89.2)	37/40(92.5)	
Peto test				01,10(02.0)	
Standard method(d)	P = 0.6009				
Prevalence method(d)	P < 0.0001**				
Combined analysis(d)	P < 0.0001**				
Cochran-Armitage test(e)	P < 0.0001**				
Fisher Exact test(e)		P < 0.0001**	P < 0.0001**		

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

ANIMAL : MOUSE Crj:BDF1
SEX : MALE

Group Name	Control	200 ppm	400 ppm	800 ppm	
	SITE : Liver				
Cumor rate	TUMOR : hepatocellular carc	inoma			
Overall rates(a)	2/50(4.0)	10/50/ 04 0)			
Adjusted rates(b)	2,70	12/50(24.0)	16/49(32.7)	16/50(32.0)	
Terminal rates(c)	1/37(2.7)	20.45 6/33(18.2)	32.56	33.33	
Statistical analysis	2,0,(2.1,)	0/33(10.2)	12/37(32.4)	12/40(30.0)	
Peto test					
Standard method(d)	P = 0.4283				
Prevalence method(d)	P = 0.0011**	•			
Combined analysis(d)	P = 0.0026**				
Cochran-Armitage test(e)	P = 0.0018**				
Fisher Exact test(e)		P = 0.0038**	P = 0.0002**	P = 0.0002**	
	SITE : Liver				
	TUMOR : hepatoblastoma				
umor rate	Tonon . Tebatobrastolia				
Overall rates(a)	0/50(0.0)	13/50(26.0)	7/10/11 0		
Adjusted rates(b)	0.0	33,33	7/49(14.3)	4/50(8.0)	
Terminal rates(c)	0/37(0.0)	11/33(33.3)	7.89 2/37(5.4)	10.00	
tatistical analysis	• • • • • • • • • • • • • • • • • • • •	11,00(00.0)	2/3/(5.4)	4/40(10.0)	
Peto test					
Standard method(d)	P = 0.3799				
Prevalence method(d)	P = 0.5378				
Combined analysis(d)	P = 0.4857				
Cochran-Armitage test(e)	P = 0.8798				
Fisher Exact test(e)		P < 0.0001**			

BAIS3

ANIMAL : MOUSE Crj:BDF1

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

SEX	:	MALE

Group Name	Control	200 ppm	400 ppm	800 ppm	
Tumor rate		enoma,hepatocellular carcinoma,hepatoblas	toma		
Overall rates(a) Adjusted rates(b) Terminal rates(c) Statistical analysis Peto test	8/50(16.0) 17.07 6/37(16.2)	42/50(84.0) 93.94 31/33(93.9)	46/49(93.9) 95.12 35/37(94.6)	44/50(88.0) 97.67 39/40(97.5)	
Standard method(d) Prevalence method(d) Combined analysis(d) Cochran-Armitage test(e)	P = 0.4412 P < 0.0001** P < 0.0001** P < 0.0001**				
Fisher Exact test(e) HPT360A)		P < 0.0001**	P < 0.0001**	P < 0.0001**	- 11.

BAIS3

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(c): Observed tumor incidence at terminal kill.

Standard method : Death analysis

Prevalence method: Incidental tumor test

Combined analysis: Death analysis + Incidental tumor test

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

⁽a): Number of tumor-bearing animals/number of animals examined at the site.

⁽b): Kaplan—Meire estimated tumor incidence at the end of the study after adjusting for intercurrent mortality.

⁽d): Beneath the control incidence are the P-values associated with the trend test.

⁽e): The Cochran-Armitage and Fisher exact test compare directly the overall incidence rates.

^{?:} The conditional probabities 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.

STUDY No. : 0297 ANIMAL : MOUSE Crj:BDF1

SEX : MALE

			PAGE :
Control	200 ppm	400 ppm	Mqq 008
SITE : ALL SITE TUMOR : hemangioma			
2/50(4.0)	4/50(8.0)	0/40/ 0.0	4 (204 - 204)
5.41	10.00	0.0	1/50(2.0) 2.50
2/3/(5.4)	2/33(6.1)	0/37(0.0)	1/40(2.5)
P =			
P = 0.2710	P = 0.3389	D = 0.0505	
	. 0,000	F = V.2525	P = 0.5000
SITE : ALL SITE TUMOR : histiocytic sarcoma			
0/50(0.0)	4/50(8 0)	3/40/ 6.1)	
0.0	0.0		4/50(8.0) 2.50
0/37(0.0)	0/33(0.0)	1/37(2.7)	1/40(2.5)
P = 0.1922 P = 0.1540 P = 0.1057 P = 0.1570			
	P = 0.0587	P = 0.1175	P = 0.0587
SITE : ALL SITE TUMOR : malignant lymphoma			
5/50(10.0)	4/50(8.0)	9/40/ 10 2)	
8.11	3.03	16.22	4/50(8.0) 7.50
3/3/(8.1)	1/33(3.0)	6/37(16.2)	3/40(7.5)
P = 0.7781 P = 0.3914 P = 0.6090			
r = 0.9103	P = 0.5000	P = 0.2635	P = 0.5000
	SITE : ALL SITE TUMOR : hemangioma 2/50(4.0) 5.41 2/37(5.4) P = P = 0.8787 P = P = 0.2710 SITE : ALL SITE TUMOR : histiocytic sarcoma 0/50(0.0) 0.0 0/37(0.0) P = 0.1922 P = 0.1540 P = 0.1057 P = 0.1570 SITE : ALL SITE TUMOR : malignant lymphoma 5/50(10.0) 8.11 3/37(8.1) P = 0.7781 P = 0.3914	SITE : ALL SITE TUMOR : hemargioma 2/50(4.0)	SITE : ALL SITE TUROR : hemarsiana 2/50(4.0)

(HPT360A)

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

ANIMAL : MOUSE C-j:BDF1

MALE

Group Name Control 200 ppm 400 ppm 800 ppm SITE : ALL SITE TUMOR : hemangiosarcoma Tumor rate Overall rates(a) 5/50(10.0) 3/50(6.0) 0/49(0.0) 2/50(4.0) Adjusted rates(b) 2.50 9.09 0.0 5.00 Terminal rates(c) 0/37(0.0) 3/33(9.1) 0/37(0.0) 2/40(5.0) Statistical analysis Peto test Standard method(d) P = 0.9980Prevalence method(d) P = 0.4782Combined analysis(d) P = 0.9380Cochran-Armitage test(e) P = 0.1557Fisher Exact test(e) P = 0.3575P = 0.0296*P = 0.2180(HPT360A) BAISS

PAGE: 2

(a): Number of tumor-bearing animals/number of animals examined at the site.

(b): Kaplan-Meire 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 probabities 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; $*: P \le 0.05$ $**: P \le 0.01$

APPENDIX M 2

NEOPLASTIC LESIONS - INCIDENCE AND STATISTICAL ANALYSIS, MOUSE: FEMALE (2-YEAR STUDY)

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STUDY No. : 0297 ANIMAL : MOUSE C-j:BDF1
SEX : FEMALE

Group Name	Control	200 ppm	400 ppm	800 ppm	
	SITE : subcutis				
	TUMOR : hemangioma				
lumor rate					
Overall rates(a)	0/49(0.0)	3/50(6.0)	1/50(2.0)	0/49(0.0)	
Adjusted rates(b)	0.0	8.11	4.76	0.0	
Terminal rates(c) Statistical analysis	0/29(0.0)	0/30(0.0)	1/21(4.8)	0/22(0.0)	
Peto test					
Standard method(d)	P =				
Prevalence method(d)	P = 0.7157				
Combined analysis(d)	P =				
Cochran-Armitage test(e)	P = 0.4949				
Fisher Exact test(e)		P = 0.1250	P = 0.4949	P = 0.5000	
·	SITE : lung TUMOR : bronchiolar—alveola	~ adenoma			
fumor rate					
Overall rates(a)	5/49(10.2)	2/50(4.0)	4/50(8.0)	1/49(2.0)	
Adjusted rates(b)	13.79	6.67	10.34	3.33	
Terminal rates(c)	4/29(13.8)	2/30(6.7)	2/21(9.5)	0/22(0.0)	
Statistical analysis					
Peto test Standard method(d)	P =				
Prevalence method(d)	P = 0.9271				
Combined analysis(d)	P =				
Cochran-Armitage test(e)	P = 0.1586				
Fisher Exact test(e)		P = 0.2096	P = 0.4870	P = 0.1021	
				. 0.1021	
	SITE : lung				
	TUMOR : bronchiplar-alveola	adenoma,bronchiolar-alveolar carcinom	a		
Tumor rate					
Overall rates(a)	6/49(12.2)	4/50(8.0)	6/50(12.0)	1/49(2.0)	
Adjusted rates(b)	17.24	10.00	18.18	3.33	
Terminal rates(c)	5/29(17.2)	3/30(10.0)	3/21(14.3)	0/22(0.0)	
Statistical analysis					
Peto test	D - 0 5000				
Standard method(d)	P = 0.5387				
Prevalence method(d) Combined analysis(d)	P = 0.9509 P = 0.9568				
Cochran-Armitage test(e)	P = 0.9958 P = 0.0945				
Fisher Exact test(e)	1 - 0.0040	P = 0.3574	P = 0.3654	P = 0.0557	

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STUDY No. : 0297

ANIMAL : MOUSE Crj:BDF1
SEX : FEMALE

Group Name	Control	200 ppm	400 ppm	MQQ 008	
	SITE : Lymph node				
	TUMOR : malignant lymphoma				
'umor rate Overall rates(a)	13/49(26.5)	0/50/ 19.0\	7/50(14.0)	0/40/ (2.1)	
Adjusted rates(b)	27,59	9/50(18.0) 13,33	4.76	3/49(6.1) 9.09	
Terminal rates(c)	8/29(27.6)	4/30(13.3)	1/21(4.8)	2/22(9.1)	
Statistical analysis	0,20(20)		1/21(4.0)	<i>L/LL</i> (0.1)	
Peto test		·			
Standard method(d)	P = 0.9073				
Prevalence method(d)	P = 0.9706			•	
Combined analysis(d)	P = 0.9880				
Cochran-Armitage test(e)	P = 0.0061**				
Fisher Exact test(e)		P = 0.2182	P = 0.0961	P = 0.0060**	
	SITE : spleen			THE REPORT OF THE PERSON OF TH	
	TUMOR: hemangiosarcoma				
'umor rate					
Overall rates(a)	1/49(2.0)	0/50(0.0)	3/50(6.0)	3/49(6.1)	
Adjusted rates(b)	3.45	0.0	2.94	5.41	
Terminal rates(c)	1/29(3.4)	0/30(0.0)	0/21(0.0)	1/22(4.5)	
itatistical analysis					
Peto test	D - 0.1540				
Standard method(d) Prevalence method(d)	P = 0.1543 P = 0.1519				
Combined analysis(d)	P = 0.1519 P = 0.0720				
Cochran-Armitage test(e)	P = 0.1317				
Fisher Exact test(e)	1 - 0.1017	P = 0.4949	P = 0.3163	P = 0.3086	
112.0		. 0.1010	• • • • • • • • • • • • • • • • • • • •	1 - 0.000	
	SITE : liver				
	TUMOR : hemangioma				
Cumor rate	9/40/ 4.1)	0/50/ 0.0	0/50/ 0.0	0/10/ 0.1	
Overall rates(a) Adjusted rates(b)	2/49(4.1) 6.90	0/50(0.0)	0/50(0.0)	3/49(6.1)	
Terminal rates(c)	2/29(6.9)	0.0 0/30(0.0)	0.0 0/21(0.0)	9.09 2/22(9.1)	
Statistical analysis	2/20(0.0)	0,00(0.0)	V/41(V•V/	2/22(3.1)	
Peto test					
Standard method(d)	P =				
Prevalence method(d)	P = 0.1357				
Combined analysis(d)	P =				
Cochran-Armitage test(e)	P = 0.3156				
Fisher Exact test(e)		P = 0.2424	P = 0.2424	P = 0.5000	

STUDY No. : 0297 ANIMAL : MOUSE Crj:BDF1
SEX : FEMALE

Tumor rate Overall rates(a) Adjusted rates(b) Terminal rates(c) Statistical analysis Peto test Standard method(d) Combined analysis(d) Cochran-Armitage test(e) Fisher Exact test(e) Tumor rate Overall rates(a) Adjusted rates(b) Terminal rates(c) SITE: liver TUMOR: histi Tumor rate Overall rates(a) Adjusted rates(b) Terminal rates(c) Statistical analysis Peto test Standard method(d) P = 0.3313 Prevalence method(d) P = 0.3313 Prevalence method(d) P = 0.3938 P = 0.8410 Fisher Exact test(e)	28/30(93.3) P < 0.0001**	47/50(94.0) 100.00 21/21(100.0) P < 0.0001**	48/49(98.0) 100.00 22/22(100.0) P < 0.0001**
Tumor rate Overall rates(a) 1/49(2.0) Adjusted rates(b) 3.45 1/29(3.4) Statistical analysis Peto test Standard method(d) P < 0.0001** P < 0.00001** P < 0.0001** P < 0.00001** P < 0.0001** P < 0.0001** P < 0.0001** P < 0.0001*	42/50(84.0) 93.55 28/30(93.3) P < 0.0001**	100.00 21/21(100.0)	100.00 22/22(100.0)
Overall rates(a) 1/49(2.0) Adjusted rates(b) 3.45 Terminal rates(c) 1/29(3.4) Statistical analysis 1/29(3.4) Peto test Standard method(d) P = 0.5980 Prevalence method(d) P < 0.0001**	93.55 28/30(93.3) P < 0.0001**	100.00 21/21(100.0)	100.00 22/22(100.0)
Adjusted rates(b) 3.45 Terminal rates(c) 1/29(3.4) Statistical analysis Peto test Standard method(d) P = 0.5980 Prevalence method(d) P < 0.0001** Combined analysis(d) P < 0.0001** Fisher Exact test(e) SITE : Liver TUMOR : histi Tumor rate Overall rates(a) 1/49(2.0) Adjusted rates(b) 0.0 Terminal rates(c) 0/29(0.0) Statistical analysis Peto test Standard method(d) P = 0.3313 Prevalence method(d) P = 0.3938 Cochran-Armitage test(e) P = 0.8410	28/30(93.3) P < 0.0001**	100.00 21/21(100.0)	100.00 22/22(100.0)
Statistical analysis Peto test Standard method(d) Prevalence method(d) Probleman analysis(d) Cochran-Armitage test(e) SITE: liver TUMOR: histi Tumor rate Overall rates(a) Adjusted rates(b) Oldinaria rates(c) Statistical analysis Peto test Standard method(d) P = 0.3313 Prevalence method(d) P = 0.3313 Prevalence method(d) Combined analysis(d) P = 0.3938 Cochran-Armitage test(e) P = 0.8410	P < 0.0001**		
Peto test Standard method(d) Prevalence method(d) Probleman Armitage test(e) SITE: liver TUMOR: histifumor rate Overall rates(a) Adjusted rates(b) Overall rates(c) Statistical analysis Peto test Standard method(d) P = 0.5980 P < 0.0001** P < 0.0001** P < 0.0001** 1/49(2.0) P < 0.0001** P = 0.3013 P = 0.3313 Prevalence method(d) P = 0.3313 Prevalence method(d) P = 0.3938 Cochran-Armitage test(e) P = 0.8410		P < 0.0001**	P < 0.0001**
Standard method(d) P = 0.5980 Prevalence method(d) Combined analysis(d) P < 0.0001**		P < 0.0001**	P < 0.0001**
Prevalence method(d) Combined analysis(d) Cochran-Armitage test(e) Fisher Exact test(e) SITE: Liver TUMOR: histi Tumor rate Overall rates(a) Adjusted rates(b) Terminal rates(c) Statistical analysis Peto test Standard method(d) P = 0.3313 Prevalence method(d) Combined analysis(d) Cochran-Armitage test(e) P < 0.0001**		P < 0.0001**	P < 0.0001**
Combined analysis(d) Cochran-Armitage test(e) Fisher Exact test(e) SITE: Liver TUMOR: histi Fumor rate Overall rates(a) Adjusted rates(b) Terminal rates(c) Statistical analysis Peto test Standard method(d) Prevalence method(d) Combined analysis(d) Cochran-Armitage test(e) P < 0.0001** P < 0.0001** P < 0.0001** P < 0.0001** P < 0.0001**		P < 0.0001**	P < 0.0001**
Cochran-Armitage test(e) Fisher Exact test(e) SITE: Liver TUMOR: histi Fumor rate Overall rates(a) Adjusted rates(b) Terminal rates(c) Statistical analysis Peto test Standard method(d) Prevalence method(d) Combined analysis(d) Cochran-Armitage test(e) P < 0.0001*** P149(2.0) 0.0 0/29(0.0) P2500 P = 0.3313		P < 0.0001**	P < 0.0001**
SITE : Liver TUMOR : histi Tumor rate Overall rates(a)		P < 0.0001**	P < 0.0001**
TUMOR : histi Tumor rate Overall rates(a) 1/49(2.0) Adjusted rates(b) 0.0 Terminal rates(c) 0/29(0.0) Statistical analysis Peto test Standard method(d) P = 0.3313 Prevalence method(d) P = 0.5260 Combined analysis(d) P = 0.3938 Cochran-Armitage test(e) P = 0.8410			
	ocytic sarcoma 1/50(2.0) 3.33 1/30(3.3)	4/50(8.0) 0.0 0/21(0.0)	1/49(2.0) 0.0 0/22(0.0)
	P = 0.2424	P = 0.1874	P = 0.2474
SITE : Liver	ocellular carcinoma		And the second s
Tumor rate			
Overall rates(a) 3/49(6.1)		32/50(64.0)	35/49(71.4)
Adjusted rates(b) 10.3 Terminal rates(c) 3/29(10.3		72.73 15/21 (71.4)	72.00 15/22(68.2)
Statistical analysis Peto test	11/30(00.1)	15/21(71.4)	15/22(68.2)
Standard method(d) P < 0.0001**			
Prevalence method(d) P < 0.0001**			
Combined analysis(d) P < 0.0001**			
Cochran-Armitage test(e) P < 0.0001** Fisher Exact test(e)		P < 0.0001**	P < 0.0001**

(HPT360A)

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STUDY No. : 0297
ANIMAL : MOUSE Crj:BDF1
SEX : FEMALE

Group Name	Control	200 ppm	400 ppm	mqq 008	
	SITE : Liver				
umor rate	TUMOR : hepatoblastoma				
Overall rates(a)	0/49(0.0)	0/50(0.0)	4/50(8.0)	0/49(0.0)	
Adjusted rates(b)	0.0	0.0	4,30(3.0)	0.0	
Terminal rates(c)	0/29(0.0)	0/30(0.0)	1/21(4.8)	0/22(0.0)	
tatistical analysis	.,	,,,,,	2,22(1.5)	0,22(0.0)	
Peta test					
Standard method(d)	P = 0.3491				
Prevalence method(d)	P = 0.3476				
Combined analysis(d)	P = 0.3156				
Cochran-Armitage test(e)	P = 0.7290				
Fisher Exact test(e)		P = 0.5000	P = 0.0612	P = 0.5000	
	SITE : Liver	hepatocellular carcinoma,hepatoblas	tono	er - 1980 kira er en	
umor rate	10non · 1epatocettata adeiona,	Hebatheettatal Cal Chibila, Hebathbtas	LUIIA		
Overall rates(a)	3/49(6.1)	45/50(90.0)	49/50(98.0)	49/49(100.0)	
Adjusted rates(b)	10.34	97.30	100.00	100.00	
Terminal rates(c)	3/29(10.3)	29/30(96.7)	21/21(100.0)	22/22(100.0)	
tatistical analysis		,,	, (,	20, 22 (100,0)	
Peto test					
Standard method(d)	P < 0.0001**				
Prevalence method(d)	P < 0.0001**				
Combined analysis(d)	P < 0.0001**				
Cochran-Armitage test(e)	P < 0.0001**				
Fisher Exact test(e)		P < 0.0001**	P < 0.0001**	P < 0.0001**	
	SITE : pituitary gland				
`umor rate	TUMOR : adenoma				
Overall rates(a)	7/49(14.3)	9/50(18.0)	6/49(12.2)	0/49(0.0)	
Adjusted rates(b)	20.69	23.68	23.81	0,49(0.0)	
Terminal rates(c)	6/29(20.7)	7/30(23.3)	5/21(23.8)	0.0	
Statistical analysis	-, , ,	1,00(20,0)	0/21 (20.0)	V/ BB (V.V)	
Peto test					
Standard method(d)	P = 0.4109				
Prevalence method(d)	P = 0.9958				
Combined analysis(d)	P = 0.9941				
Cochran-Armitage test(e)	P = 0.0076**				
Fisher Exact test(e)		P = 0.4101	P = 0.5000	P = 0.0062**	

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

ANIMAL : MOUSE C-j:BDF1

SEX : FEMALE

Group Name	Control	200 ppm	400 ppm	mqq 008	
	SITE : uterus				
umor rate	TUMOR : histiocytic sarcoma				
Overall rates(a)	10/49(20.4)	12/50(24.0)	11/50(22.0)	0/40/ 10.0)	
Adjusted rates(b)	10,40(20.4)	13,33	9,68	6/49(12.2)	
Terminal rates(c)	3/29(10.3)	4/30(13.3)	2/21(9.5)	4.55	
tatistical analysis	0,20(10.0)	4/00(10.0)	2/21(9.5)	1/22(4.5)	
Peto test					
Standard method(d)	P = 0.7085				
Prevalence method(d)	P = 0.8402				
Combined analysis(d)	P = 0.8438				
Cochran-Armitage test(e)	P = 0.2180				
Fisher Exact test(e)		P = 0.4258	P = 0.4791	P = 0.2065	
umor rate	SITE : Harderian gland TUMOR : adenoma			- 1 (Fig. 1)	
Overall rates(a)	1/49(2.0)	4/50(8.0)	1/50(2.0)	1/49(2.0)	
Adjusted rates(b)	3.45	12.90	4.76	3.85	
Terminal rates(c)	1/29(3.4)	3/30(10.0)	1/21(4.8)	0/22(0.0)	
tatistical analysis	, , , , , ,	-, -, -,	1,21(1,0)	0,22(0.0)	
Peta test					
Standard method(d)	P =				
Prevalence method(d)	P = 0.6257				
Combined analysis(d)	P =				
Cochran-Armitage test(e)	P = 0.5596				
Fisher Exact test(e)		P = 0.1874	P = 0.2424	P = 0.2474	

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BAIS3

Standard method : Death analysis

Prevalence method: Incidental tumor test

Combined analysis: Death analysis + Incidental tumor test

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

⁽a): Number of tumor-bearing animals/number of animals examined at the site.

⁽b): Kaplan-Meire 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.

⁽e): The Cochran-Armitage and Fisher exact test compare directly the overall incidence rates.

^{?:} The conditional probabities 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.

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

ANIMAL : MOUSE Crj:BDF1

: FEMALE

Group Name Control 200 ppm 400 ppm 800 ppm SITE : ALL SITE TUMOR : hemangioma Tumor rate Overall rates(a) 3/49(6.1) 4/50(8.0) 4/50(8.0) 3/49(6.1) Adjusted rates(b) 10.34 10.81 13,64 9.09 Terminal rates(c) 3/29(10.3) 1/30(3.3) 2/21(9.5) 2/22(9.1) Statistical analysis Peto test Standard method(d) P = ----Prevalence method(d) P = 0.5013Combined analysis(d) P = ----Cochran-Armitage test(e) P = 0.9303Fisher Exact test(e) P = 0.4886P = 0.4886P = 0.3388SITE : ALL SITE TUMOR : histiocytic sarcoma Tumor rate Overall rates(a) 12/49(24.5) 14/50(28.0) 15/50(30.0) 7/49(14.3) Adjusted rates(b) 13.79 16.67 10.00 4.55 Terminal rates(c) 4/29(13.8) 5/30(16.7) 2/21(9,5) 1/22(4.5) Statistical analysis Peto test Standard method(d) P = 0.6525Prevalence method(d) P = 0.9120Combined analysis(d) P = 0.8508Cochran-Armitage test(e) P = 0.1810Fisher Exact test(e) P = 0.4334P = 0.3487P = 0.1534SITE : ALL SITE TUMOR : malignant Lymphoma Tumor rate Overall rates(a) 15/49(30.6) 12/50(24.0) 9/50(18.0) 3/49(6.1) Adjusted rates(b) 31.03 20.00 9.52 9.09 Terminal rates(c) 9/29(31.0) 6/30(20.0) 2/21(9.5) 2/22(9.1) Statistical analysis Peto test Standard method(d) P = 0.9424Prevalence method(d) P = 0.9835Combined analysis(d) P = 0.9955Cochran-Armitage test(e) P = 0.0015**Fisher Exact test(e) P = 0.3042P = 0.1093P = 0.0016**

(HPT360A)

PAGE:

3

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS

ANIMAL : MOUSE Crj:BDF1

: FEMALE

Group Name	Contral	200 ppm	400 ppm	800 ppm	
Tumor rate Overall rates(a) Adjusted rates(b) Terminal rates(c) Statistical analysis Peto test Standard method(d)	SITE : ALL SITE TUMOR : hemangiosarcoma 2/49(4.1)	1/50(2.0) 3.33 1/30(3.3)	3/50(6.0) 2.94 0/21(0.0)	3/49(6.1) 5.41 1/22(4.5)	
Prevalence method(d) Combined analysis(d) Cochran-Armitage test(e) Fisher Exact test(e)	P = 0.4150 P = 0.2188 P = 0.4483	P = 0.4923	P = 0.4903	P = 0.5000	

(HPT360A)

BAIS3

PAGE :

Standard method : Death analysis

Prevalence method: Incidental tumor test

Combined analysis: Death analysis + Incidental tumor test

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

⁽a): Number of tumor-bearing animals/number of animals examined at the site.

⁽b): Kaplan-Meire 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.

⁽e): The Cochran-Armitage and Fisher exact test compare directly the overall incidence rates.

^{?:} The conditional probabities 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.

APPENDIX N 1

HISTOLOGICAL FINDINGS: METASTASIS OF TUMOR: SUMMARY, MOUSE: MALE: ALL ANIMALS (2-YEAR STUDY)

: MOUSE Crj:BDF1

HISTOLOGICAL FINDINGS: METASTASIS OF TUMOR (SUMMARY)

ALL ANIMALS (0-105W)

REPORT TYPE : A1 SEX : MALE

ANIMAL

Group Name Control 200 ppm 400 ppm 800 ppm No. of Animals on Study 50 50 Findings_ Organ_ [Respiratory system] nasal cavit <50> <50> <49> <50> leukemic cell infiltration 1 0 metastasis:liver tumor 1 0 metastasis:subcutis tumor 0 larynx (50) <50> <49> ⟨50⟩ leukemic cell infiltration 1 0 trachea <50> <50> <49> <50> leukemic cell infiltration metastasis: lung tumor 0 lung <50> <50> **<49>** <50> leukemic cell infiltration metastasis: liver tumor 0 metastasis:stomach tumor 1 metastasis:heart tumor 0 0 1 [Hematopoietic system] bone marrow <50> <50> **〈49〉** <50> leukemic cell infiltration metastasis:liver tumor 0 Lymph node <50> <50> **<49>** <50> metastasis:liver tumor 0 1 1 <50> ⟨50⟩ spleen **<49>** <50> leukemic cell infiltration 4 5 6 3 (a) a: Number of animals examined at the site b: Number of animals with lesion b

HISTOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY) ALL ANIMALS (0-105W) $\,$

STUDY NO. : 0297 ANIMAL : MOUSE C-j:BDF1 REPORT TYPE : A1

: MALE SEX

Organ	Findings	Group Name Control No. of Animals on Study 50	200 ppm 50	400 ppm 49	800 ppm 50
[Circulatory	system				the State Control of the State
heart	leukemic cell infiltration	<50> 0	<50> 2	<49> 3	<50> 0
[Digestive sy	vstem]				
tongue	leukemic cell infiltration	<50> 0	<50> 0	<49> 1	<50> 0
salivary gl	leukemic cell infiltration	<50> 0	<50> 2	<49> 2	<50> 0
esophagus	leukemic cell infiltration	<50> 0	<50> 0	<49>	<50> 0
stomach	leukemic cell infiltration	<50> 0	<50> 3	<49> 2	<50> 0
	metastasis:peritoneum tumor	0	0	0	2
small intes	leukemic cell infiltration	<50> 1	<50> 0	<49>	<50> 0
	metastasis:peritoneum tumor	0	0	1	0
liver	leukemic cell infiltration	<50> 3	<50> 2	<49> 2	<50> 1
	metastasis:subcutis tumor	0	0	0	1
	metastasis:spleen tumor	1	0	0	0
	metastasis:stomach tumor	0	1	0	0
	metastasis:epididymis tumor	0	0	1	0
< a >	a : Number of animals examined at	the site			

b: Number of animals with lesion

ь

ANIMAL : MOUSE Crj:BDF1

b: Number of animals with lesion

Group Name

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

REPORT TYPE : A1 SEX

: MALE

PAGE: 3 Control 400 ppm 800 ppm 50 200 ppm No. of Animals on Study

Organ	Findings	no. of minate of Stay	30	49	50
Digestive sy	stem]				
Liver	metastasis:heart tumor	<50> 0	<50> 0	<49> 1	<50> 0
ancreas	leukemic cell infiltration	<50> 0	<50>	<49> 2	<50> 1
	metastasis:stomach tumor	0	1	0	0
(Urinary syst	cem]				
kidney	loukemic cell infiltration	<50> 0	<50> 2	<49>	<50> 0
	metastasis:liver tumor	0	1	0	0
	metastasis:heart tumor	0	0	1	0
rin bladd	leukemic cell infiltration	<50> 0	<50> 2	<49> 1	<50> 0
(Endocrine sy	vstem]				
pituitary	metastasis:liver tumor	<50> 0	<50> 1	<48> 0	<50> 0
	metastasis:peripheral nerve tumor	0	1	0	0
thyroid	leukemic cell infiltration	<50> 0	<50> 0	<49> 1	<50> 0
adrenal	leukemic cell infiltration	<50> 0	<50> 2	<49> 1	<50> 0
	metastasis:peritoneum tumor	0	0	0	I

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1

SEX : MALE

(JPT150)

HISTOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)

PAGE: 4

BAIS3

ALL ANIMALS (0-105W)

rgan	Findings	Group Name Control No. of Animals on Study 50	200 ppm 50	400 ppm 49	800 ppm 50
[Reproductive	e system]				
testis	leukemic cell infiltration	<50> 0	<50> 1	<49>	<50> 0
	metastasis:peritoneum tumor	0	0	1	0
epididymis	leukemic cell infiltration	<50> 0	<50> 1	<49> 0	<50> 0
	metastasis:peritoneum tumor	0	0	0	1
semin ves	metastasis:liver tumor	<50> 0	<50> 1	<49> 0	<50> 0
(Nervous syst	tem]				
orain	leukemic cell infiltration	<50> 0	<50> 1	<49>	<50> 0
	metastasis:liver tumor	0	1	0	0
	metastasis:peripheral nerve tumor	0	1	0	0
periph nerv	metastasis:liver tumor	<50> 0	<50> 1	<49> 0	<50> 0
[Special sens	se organs/appendage]				
өуө	leukemic cell infiltration	<50> 0	<50> 0	<49> 1	<50> 0
Harder gl	leukemic cell infiltration	<50> 0	<50> 1	<49>	<50> 0
	metastasis:subcutis tumor	0	0	0	1

STUDY NO. : 0297 ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 : MALE SEX

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

Organ		Group Name Control No. of Animals on Study 50	200 ppm 50	400 ppm 49	800 ppm 50
[Musculoske	letal system]				
nuscle	leukemic cell infiltration	<50> 0	<50> 1	<49>	<50> 0
a> b	a: Number of animals examined at the si b: Number of animals with lesion	te			1.0-11.
(JPT150)					**************************************

APPENDIX N 2

HISTOLOGICAL FINDINGS: METASTASIS OF TUMOR: SUMMARY, MOUSE: MALE: DEAD AND MORIBUND ANIMALS (2-YEAR STUDY)

ANIMAL : MOUSE Crj:BDF1

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

REPORT TYPE : A1 : MALE SEX

)rgan	Findings	Group Name Control No. of Animals on Study 13	200 ppm 17	400 ppm 12	800 ppm 10
					11 11 12 12 12 12 12 12 12 12 12 12 12 1
Respiratory	system]				
nasal cavit	metastasis:liver tumor	<13> 0	<17> 1	<12>	<10> 0
arynx	leukemic cell infiltration	<13> 0	<17> 0	<12>	<10> 0
rachea	leukemic cell infiltration	<13> 0	<17> 1	<12> 0	<10> 0
	metastasis:lung tumor	0	0	0	1
ung	leukemic cell infiltration	<13> 1	<17> 3	<12>	<10> 0
	metastasis:liver tumor	0	2	3	2
	metastasis:stomach tumor	0	1	0	0
	metastasis:heart tumor	0	0	1	0
lematopoieti	ic system]				
one marrow	metastasis:liver tumor	<13> 0	<17> 1	<12>	<10> 0
vmph node	metastasis:liver tumor	<13> 0	<17> 1	<12>	<10> 0
leen	leukemic cell infiltration	<13> 1	<17> 4	<12> 2	<10>
Circulatory	system]				
eart	leukemic cell infiltration	<13> 0	<17> 2	<12> 1	<10> 0
< a > b	a: Number of animals examined at b: Number of animals with lesion	the site			

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

STUDY NO. : 0297
ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1
SEX : MALE

SEX :	: MALE				PAGE:
Organ	Findings	Group Name Control No. of Animals on Study 13	200 ppm 17	400 ppm 12	800 ppm 10
Digestive s	vstem]				
tongue	leukemic cell infiltration	<13> 0	<17> 0	<12> 1	<10> 0
alivary gl	leukemic cell infiltration	<13> 0	<17> 2	<12>	<10> 0
esophagus	leukemic cell infiltration	<13> 0	<17> 0	<12> 1	<10> 0
stomach	leukemic cell infiltration	<13> 0	<17> 2	<12> 1	<10> 0
	metastasis:peritoneum tumor	0	0	0	2
iver	leukemic cell infiltration	<13> 1	<17> 2	<12>	<10>
	metastasis:spleen tumor	1	0	0	0
	metastasis:stomach tumor	0	1	0	. 0
	metastasis:heart tumor	0	0	1	0
ancreas	leukemic cell infiltration	<13> 0	<17> 1	<12> 2	<10>
	metastasis:stomach tumor	0	1	0	0
Urinary sys	tem)				
idney	leukemic cell infiltration	<13> 0	<17> 2	<12>	<10> 0
	metastasis:liver tumor	0	1	0	0
(a) b	a : Number of animals examined at b : Number of animals with lesion				

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 SEX : MALE HISTOLOGICAL FINDINGS: METASTASIS OF TUMOR (SUMMARY) DEAD AND MORIBUND ANIMALS (0-105W)

PAGE: 3

Group Name Con No. of Animals on Study Findings	trol 13	200 ppm 17	400 ppm 12	800 ppm 10
rem]				
metastasis:heart tumor	<13>	<17>	<12>	<10>
leukemic cell infiltration	0 <13> 0	0 <17> 2	1 <12> 0	0 <10> 0
rstem]				
metastasis:liver tumor	<13> 0	<17> 1	<12> 0	<10> 0
metastasis:peripheral nerve tumor	0	1	0	0
leukemic cell infiltration	<13> 0	<17>	<12> 1	<10> 0
leukemic cell infiltration	<13> 0	<17> 2	<12>	<10> 0
metastasis:peritoneum tumor	0	0	0	1
system]				
leukemic cell infiltration	<13> 0	<17> 1	<12> 0	<10> 0
leukemic cell infiltration	<13> 0	<17>	<12> 0	<10> 0
metastasis:peritoneum tumor	0	0	0	1
rem]				
leukemic cell infiltration	<13> 0	<17> 1	<12> 0	<10> 0
leukemic cell infiltration a: Number of animals examined at b: Number of animals with lesion	the site	0	0 1	0 1

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 SEX : MALE HISTOLOGICAL FINDINGS: METASTASIS OF TUMOR (SUMMARY) DEAD AND MORIBUND ANIMALS (0-105W)

Organ		Group Name Control No. of Animals on Study 13	200 ppm 17	400 ppm 12	800 ppm 10
[Nervous syste	om]				
orain	metastasis:liver tumor	<13> 0	<17> 1	<12> 0	<10> 0
	metastasis:peripheral nerve tumor	0	1	0	0
periph nerv	metastasis:liver tumor	<13> 0	<17> 1	<12> 0	<10> 0
[Special sense	organs/appendage]				
вуе	leukemic cell infiltration	<13> 0	<17> 0	<12> 1	<10> 0
larder gl	leukemic cell infiltration	<13> 0	<17> 1	<12> 0	<10> 0
[Musculaskelet	cal system]				
muscle	leukemic cell infiltration	<13> 0	<17> 1	<12> 1	<10> 0
(a) b	a: Number of animals examined at the si b: Number of animals with lesion	te			

APPENDIX N 3

HISTOLOGICAL FINDINGS: METASTASIS OF TUMOR: SUMMARY, MOUSE: MALE: SACRIFICED ANIMALS (2-YEAR STUDY)

STUDY NO. : 0297 ANIMAL : MOUSE Cr-j:BDF1

REPORT TYPE : A1

SEX : MALE

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

0	P: 11	Group Name Control No. of Animals on Study 37	200 ppm 33	400 ppm 37	800 ppm 40
Organ	Findings	7751	- Marie - Anna - An		76.00
[Respiratory	system]				
nasal cavit		⟨37⟩	⟨33⟩	<37>	<40>
	leukemic cell infiltration	0	0	1	0
	metastasis:subcutis tumor	0	0	0	1
lung	leukemic cell infiltration	<37> 0	<33> 0	<37> 2	<40> 0
	metastasis:liver tumor	0	4	4	3
[Hematopoieti	ic system]				
bone marrow	leukemic cell infiltration	<37> 0	<33> 0	<37>	<40> 0
lymph node	metastasis:liver tumor	<37> 0	<33> 1	<37> 0	<40>
spleen		⟨37⟩	<33>	<37>	1 <40>
	leukemic cell infiltration	3	1	4	2
[Circulatory	system]				
heart	leukemic cell infiltration	<37> 0	<33> 0	<37> 2	<40> 0
[Digestive sy	vetemi			2	V
salivary gl	o com	(00)			
Sationly 91	leukemic cell infiltration	<37> 0	<33> 0	<37> 1	<40> 0
stomach	leukemic cell infiltration	<37> 0	<33> 1	<37> 1	<40> 0
(a) b	a: Number of animals examined at the ab: Number of animals with lesion	site			
(TDT: E0)					

PAGE: 1

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

ANIMAL : MOUSE C-j:BDF1
REPORT TYPE : A1 SEX : MALE

PAGE: 2

Organ		Group Name Control No. of Animals on Study 37	200 ppm 33	400 ppm 37	800 ppm 40
[Digestive sys	stem]			THICK	
small intes		⟨37⟩	⟨33⟩	⟨37⟩	<40>
	leukemic cell infiltration	1	0	0	0
	metastasis:peritoneum tumor	0	0	1	0
liver	leukemic cell infiltration	<37> 2	<33> 0	<37> 1	<40> 0
	metastasis:subcutis tumor	0	0	0	1
	metastasis:epididymis tumor	0	0	1	0
(Urinary syste	om]				
kidney	leukemic cell infiltration	<37> 0	<33> 0	<37> 1	<40> 0
urin bladd	leukomic cell infiltration	<37> 0	<33> 0	<37> 1	<40> 0
(Endocrine sys	rtem]				
adrena l	leukemic cell infiltration	<37> 0	<333> 0	<37> 1	<40> 0
[Reproductive	system]				
testis	metastasis:peritoneum tumor	<37> 0	<33> 0	<37> 1	<40> 0
semin ves	metastasis:liver tumor	<37> 0	<33> 1	<37> 0	<40> 0
(a > b	a: Number of animals examined at the si b: Number of animals with lesion	te			

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1
SEX : MALE

HISTOLOGICAL FINDINGS: METASTASIS OF TUMOR (SUMMARY)

PAGE: 3

SACRIFICED ANIMALS (105W)

Organ		Group Name Control No. of Animals on Study 37	200 ppm 33	400 ppm 37	800 ppm 40
Special sen	se organs/appendage]				
larder gl	metastasis:subcutis tumor	<37> 0	<33> 0	<37> 0	<40> 1
a> b	a: Number of animals examined at the si b: Number of animals with lesion	te	1000		
(JPT150)					

APPENDIX N 4

HISTOLOGICAL FINDINGS: METASTASIS OF TUMOR: SUMMARY, MOUSE: FEMALE: ALL ANIMALS (2-YEAR STUDY)

ANIMAL : MOUSE C-j:BDF1
REPORT TYPE : A1 SEX : FEMALE

HISTOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)

PAGE: 6

ALL ANIMALS (0-105W)

Organ	Findings	Group Name Control No. of Animals on Study 49	200 ppm 50	400 ppm 50	800 ppm 49
[Respiratory	system]				
nasal cavit		<49>	<50>	<50>	<49>
	leukemic cell infiltration	1	0	1	0
	metastasis:uterus tumor	1	0	0	0
lung	todonis and institution	<49>	<50>	<50>	<49>
	leukemic cell infiltration	10	8	7	1
	metastasis:liver tumor	2	9	11	5
	metastasis:uterus tumor	6	6	3	3
	metastasis:spleen tumor	0	1	1	1
[Hematopoieti	c system]				
cone marrow	leukemic cell infiltration	<49> 2	<50> 5	<50> 3	<49>
	metastasis:liver tumor	1	1	1	0
	metastasis:uterus tumor	3	2	2	1
	metastasis:spleen tumor	0	1	0	0
lymph node	leukemic cell infiltration	<49>	<50> 2	<50> 2	<49>
	metastasis:liver tumor	1	2	1	0
	metastasis:uterus tumor	2	1	1	0
	metastasis:spleen tumor	0	1	0	1
thymus	leukemic cell infiltration	<49> 1	<50> 0	<50> 0	<49>

HISTOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY) ALL ANIMALS (0-105W) $\,$

STUDY NO. : 0297 ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1

SEX : FEMALE

PAGE: 7

0rgan	Findings	Group Name Control No. of Animals on Study 49	200 ppm 50	400 ppm 50	800 ppm 49
[Hematopoieti	c system]				
spleen	leukemic cell infiltration	<49>	<50>	<50>	<49>
	metastasis: liver tumor	0	1	6 2	2
(Circulatory	system]				
neart	leukemic cell infiltration	<49>	<50> 3	<50> 3	<49>
	metastasis:liver tumor	0	0	I	0
	metastasis:uterus tumor	0	2	1	0
Digestive sy	rstem]				
cooth	metastasis:uterus tumor	<49> 0	<50>	<50> 0	<49>
tongue	leukemic cell infiltration	<49> 2	<50> 2	<50> 2	<49>
alivary gl	leukemic cell infiltration	<49>	<50> 6	<50> 3	<49>
	metastasis:liver tumor	0	1	0	0
stomach	leukemic cell infiltration	<49> .4	<50> 3	<50> 3	<49>
	metastasis:liver tumor	1	0	1	1
	metastasis:uterus tumor	4	6	0	1
<a>> b	a: Number of animals examined at the s b: Number of animals with lesion	ite		***************************************	F-1 40.61 9007.

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 SEX : FEMALE HISTOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY) ALL ANIMALS (0-105W) $\,$

PAGE: 8

rgan	Findings	Group Name Control No. of Animals on Study 49 ————————————————————————————————————	200 ppm 50	400 ppm 50	800 ppm 49
Digestive sy	stem]				
mall intes	leukemic cell infiltration	<49> 0	<50> 0	<50> 1	<49> 0
arge intes	leukemic cell infiltration	<49> 0	<50> 1	<50> 0	<49>
iver	leukemic cell infiltration	<49> 9	<50> 9	<50> 6	<49>
	metastasis:uterus tumor	7	7	6	4
	metastasis:spleen tumor	0	1	1	1
ancreas	leukemic cell infiltration	<49> 5	<50> 6	<50> 0	<49> 1
	metastasis:liver tumor	O	0	1	0
	metastasis:uterus tumor	1	3	2	0
Jrinary syst	em]				
idney	leukemic cell infiltration	<49> 6	<50> 5	<50> 5	<49> 2
	metastasis:liver tumor	0	1	1	0
	metastasis:uterus tumor ·	4	3	3	3
in bladd	leukemic cell infiltration	<49> 2	<50> 5	<50> 3	<49> 1
Endocrine sy	rstem]				
pituitary	leukemic cell infiltration	<49> 0	<50> 1	<50> 1	<49> 0

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

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 SEX : FEMALE HISTOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)

PAGE: 9

ALL ANIMALS (0-105W)

					- Indi
rgan	Findings	Group Name Control No. of Animals on Study 49	200 ppm 50	400 ppm 50	800 ppm 49
Endocrine sy	rstem]				
pituitary	metastasis:uterus tumor	<49> 0	<50> 1	<50> 0	<49> 0
thyroid	leukemic cell infiltration	<49> 2	<50> 2	<50> 0	<49>
adrenal.	leukemic cell infiltration	<49> 1	<50> 4	<50> 3	<49>
	metastasis:liver tumor	1	0	2	0
	metastasis:uterus tumor	1	2	3	1
Reproductive	system]				
ovary	leukemic cell infiltration	<49> 3	<50> 5	<50> 4	<49> 1
	metastasis:liver tumor	1	0	2	0
	metastasis:uterus tumor	6	7	5	4
nterus	leukemic cell infiltration	<49> 2	<50> 3	<50> 4	<49>
mammary gl	leukemic cell infiltration	<49> 0	<50> 1	<50> 0	<49>
[Nervous syst	rem]				
orain	leukemic cell infiltration	<49> 0	<50> 0	<50> 1	<49>
spinal cord	leukemic cell infiltration	<49>	<50> 0	<50> 1	<49>
(a) b	a: Number of animals examined at b: Number of animals with lesion	the site			

STUDY NO. : 0297 ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1
SEX : FEMA : FEMALE HISTOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY) ALL ANIMALS (0-105W)

PAGE: 10

Organ		Group Name Control No. of Animals on Study 49	200 ppm 50	400 ppm 50	800 ppm 49
(Special sens	se organs/appendage]				
вуе	leukemic cell infiltration	<49> 0	<50> 0	<50>	<49>
larder gl	leukemic cell infiltration	<49> 3	<50>	<50> 1	<49>
	metastasis:subcutis tumor	0	0	0	1
Musculaskele	etal system]				
nuscle	leukemic cell infiltration	<49> 1	<50> 3	<50> 3	<49> 0
Body cavitie	[ze				
leura	leukemic cell infiltration	<49>	<50> 0	<50> 1	<49>
eritoneum	leukemic cell infiltration	<49>	<50> 0	<50> 0	<49>
	metastasis:liver tumor	0	2	1	0
	metastasis:uterus tumor	0	1	1	0
etroperit	metastasis:liver tumor	<49> 0	<50> 1	<50> 0	<49> 0
a> b	a: Number of animals examined at the si b: Number of animals with lesion	te			
(JPT150)			N-10000		· · · · · · · · · · · · · · · · · · ·

APPENDIX N 5

HISTOLOGICAL FINDINGS: METASTASIS OF TUMOR: SUMMARY, MOUSE: FEMALE: DEAD AND MORIBUND ANIMALS (2-YEAR STUDY)

b: Number of animals with lesion

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1
SEX : FEMALE

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

SEX : FEMALE PAGE :					
Organ	Findings	Group Name Control No. of Animals on Study 20	200 ppm 20	400 ppm 29	800 ppm 27
[Respiratory :	system]				
asal cavit	· leukemic cell infiltration	<20> I	<20> 0	<29>	<27>
	metastasis:uterus tumor	1	0	0	0
r e	leukemic cell infiltration	<20> 6	<20> 5	<29> 7	<27>
	metastasis:liver tumor	0	3	5	4
	metastasis:uterus tumor	6	5	3	3
	metastasis:spleen tumor	0	1	1	1
ematopoietio	c system]				
ne marrow	leukemic cell infiltration	<20> 0	<20> 0	<29>	<27>
	metastasis:liver tumor	1	0	1	0
	metastasis:uterus tumor	3	2	2	1
	metastasis:spleen tumor	0	1	0	0
mph node	leukemic cell infiltration	<20>	<20>	<29> 1	<27> 0
	metastasis:liver tumor	1	0	1	0
	metastasis:uterus tumor	2	1	1	0
	metastasis:spleen tumor	0	1	0	1
leen	leukemic cell infiltration	<20> 5	<20> 4	<29>	<27> 1

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 SEX : FEMALE HISTOLOGICAL FINDINGS: METASTASIS OF TUMOR (SUMMARY) DEAD AND MORIBUND ANIMALS (0-105W)

PAGE: 6

Organ	Findings	Group Name Control No. of Animals on Study 20	200 ppm 20	400 ppm 29	800 ppm 27
[Hematopoiet	c system]				
spleen	metastasis:liver tumor	<20> 0	<20> 0	<29> 2	<27> 0
(Circulatory	system]				
heart	leukemic cell infiltration	<20> 5	<20>	<29> 3	<27>
	metastasis:li∨er tumor metastasis:uterus tumor	0	0	1	0
[Digestive sy	rstem]		-	•	0
tooth	metastasis:uterus tumor	<20> 0	<20> 1	<29> 0	<27> 0
tongue	leukemic cell infiltration	<20>	<20> 1	<29> 2	<27>
salivary gl	leukemic cell infiltration	<20> 3	<20> 2	<29> 2	<27>
stomach	leukemic cell infiltration	<20> 3	<20>	<29> 3	<27>
	metastasis:liver tumor	1	0	1	1
	metastasis:uterus tumor	4	5	0	1
small intes	leukemic cell infiltration	<20> 0	<20> 0	<29> 1	<27>
large intes	leukemic cell infiltration	<20> 0	<20>	<29>	<27>

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 SEX : FEMALE HISTOLOGICAL FINDINGS: METASTASIS OF TUMOR (SUMMARY) DEAD AND MORIBUND ANIMALS (0-105W)

PAGE: 7

Organ	Findings	Group Name Control No. of Animals on Study 20	200 ppm 20	400 ppm 29	800 ppm 27
-					
[Digestive sy	rstem]				
liver	leukemic cell infiltration	<20> 5	<20> 4	<29> 5	<27> 1
	metastasis:uterus tumor	7	7	6	4
	metastasis:spleen tumor	0	1	1	1
pancreas	leukemic cell infiltration	<20> 3	<20> 4	<29> 0	<27> 0
	metastasis:liver tumor	0	0	1	0
	metastasis:uterus tumor	1	2	2	0
[Urinary syst	tem]				
kidney	leukemic cell infiltration	<20> 2	<20> 4	<29> 5	<27> 1
	metastasis:liver tumor	0	0	1	0
	metastasis:uterus tumor	4	3	3	3
urin bladd	leukemic cell infiltration	<20> 2	<20> 2	<29>	<27>
[Endocrine sy	vstem]				
pituitary	leukemic cell infiltration	<20> 0	<20> 1	<29> 1	<27> 0
	metastasis:uterus tumor	0	1	0	0
thyroid	leukemic cell infiltration	<20> 2	<20>	<29>	<27>

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 SEX : FEMALE

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

rgan	Findings	Group Name Control No. of Animals on Study 20	200 ppm 20	400 ppm 29	800 ppm 27
Endocrine sy	stem]				
drenal	leukemic cell infiltration	<20> 1	<20> 4	<29>	<27>
	metastasis:liver tumor	1	0	2	0
	metastasis:uterus tumor	1	2	3	1
Reproductive	system]				
vary	leukemic cell infiltration	<20>	<20> 2	<29> 4	<27>
	metastasis:liver tumor	1	0	2	0
	metastasis:uterus tumor	6	6	5	4
terus	leukemic cell infiltration	<20> 2	<20> 2	<29> 4	<27>
ammary gl	leukemic cell infiltration	<20> 0	<20> 1	<29> 0	<27> 0
Vervous syst	em]				
rain	leukemic cell infiltration	<20> 0	<20> 0	<29> 1	<27>
oinal cord	leukemic cell infiltration	<20> 0	<20> 0	<29> 1	<27> 0
Special sens	e organs/appendage]				
/e	leukemic cell infiltration	<20>	<20>	<29> 1	<27>

ANIMAL : MOUSE C-j:BDF1
REPORT TYPE : A1 SEX : FEMALE

HISTOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)

DEAD AND MORIBUND ANIMALS (0-105W)

Organ		Group Name Control No. of Animals on Study 20	200 ppm 20	400 ppm 29	800 ppm 27
	1		170.00		
SPECIAL SERS	se organs/appendage]				
larder gl	leukemic cell infiltration	<20>	<20>	<29>	<27> 0
	metastasis:subcutis tumor	0	0	0	. 1
Musculoskele	otal system]				
uscle	leukemic cell infiltration	<20>	<20> 1	<29> 3	<27> 0
Body cavitie	[25]				
leura	leukemic cell infiltration	<20> 0	<20> 0	<29> 1	<27>
eritoneum	leukemic cell infiltration	<20>	<20> 0	<29>	<27> 0
	metastasis:liver tumor	0	1	1	0
	metastasis:uterus tumor	0	0	1	0
etroperit	metastasis:liver tumor	<20> 0	<20>	<29> 0	<27> 0
a> b	a: Number of animals examined at the sib: Number of animals with lesion	te			

APPENDIX N 6

HISTOLOGICAL FINDINGS: METASTASIS OF TUMOR: SUMMARY, MOUSE: FEMALE: SACRIFICED ANIMALS (2-YEAR STUDY)

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 SEX : FEMALE

(a)

a : Number of animals examined at the site

HISTOLOGICAL FINDINGS : METASTASIS OF TUMOR (SUMMARY)

SACRIFICED ANIMALS (105W)

SEX :	FEMALE				PAGE: 4
Organ	Findings	Group Name Control No. of Animals on Study 29	200 ppm 30	400 ppm 21	800 ppm 22
[Respiratory	system]				
lung	leukemic cell infiltration	<29> 4	<30>	<21>	<22> 1
	metastasis:liver tumor	2	6	6	1
	metastasis:uterus tumor	0	1	0	0
[Hematopoieti	ic system]				
bone marrow	leukemic cell infiltration	<29> 2	<30> 5	<21>	<22> 1
	metastasis:liver tumor	0	1	0	0
lymph node	leukemic cell infiltration	<29> 0	<30> 2	<21> 1	<22> 0
	metastasis:liver tumor	0	2	0	0
hymus	leukemic cell infiltration	<29> 1	<30> 0	<21> 0	<22> 0
pleen	leukemic cell infiltration	<29> 4	<30> 3	<21> 0	<22> 1
	metastasis:liver tumor	0	1	0	0
[Circulatory	system]				
heart	leukemic cell infiltration	<29> 1	<30> 2	<21> 0	<22> 0
[Digestive sy	rstem]				
tangue	leukemic cell infiltration	<29> 1	<30> 1	<21> 0	<22> 0

ANIMAL : MOUSE Crj:BDF1
REPORT TYPE : A1

SEX : FEMALE

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

PAGE: 5

Organ	Findings	Group Name Control No. of Animals on Study 29	200 ppm 30	400 ppm 21	800 ppm 22
[Digestive sy	stem]				
salivary gl	leukemic cell infiltration	<29> 4	<30> 4	<21> 1	<22> 1
	metastasis:liver tumor	0	1	0	0
tomach	leukemic cell infiltration	<29> 1	<30> 2	<21> 0	<22>
	metastasis:uterus tumor	0	1	0	0
i∪er	leukemic cell infiltration	<29> 4	<30> 5	<21> 1	<22>> 2
ancreas	leukemic cell infiltration	<29> 2	<30> 2	<21> 0	<22>
	metastasis:uterus tumor	0	1	0	0
Jrinary syst	em]				
idney	leukemic cell infiltration	<29> 4	<30> 1	<21> 0	<22> 1
	metastasis:liver tumor	0	1	0	0
rin bladd	leukemic cell infiltration	<29> 0	<30> 3	<21> 0	<222> 1
Endocrine sy	stem]				
hyroid	leukemic cell infiltration	<29> 0	<30> 1	<21> 0	<22>
drenal	leukemic cell infiltration	<29> 0	<30> 0	<21>	<22>

ANIMAL : MOUSE Crj:BDF1

REPORT TYPE : A1 SEX : FEMALE HISTOLOGICAL FINDINGS: METASTASIS OF TUMOR (SUMMARY)

SACRIFICED ANIMALS (105W)

SEX	: FEMALE				PAGE:
Organ		Group Name Control No. of Animals on Study 29	200 ppm 30	400 ppm 21	800 ppm 22
[Reproduction	ve system]				
DVary	leukemic cell infiltration	<29> 0	<30> 3	<21>	<22> 1
	metastasis:uterus tumor	0	1	0	0
uterus	leukemic cell infiltration	<29> 0	<30> 1	<21> 0	<22> 1
[Special sen	ise organs/appendage]				
Harder gl	leukemic cell infiltration	<29> 2	<30> 0	<21> 0	<22> 0
[Musculaskel	etal system]				
muscle	leukemic cell infiltration	<29> 0	<30> 2	<21> 0	<22> 0
[Body caviti	es]				
peritoneum	metastasis:liver tumor	<29> 0	<30>	<21>	<22> 0
	metastasis:uterus tumor	0	1	0	0
⟨a⟩ b	a: Number of animals examined at the si b: Number of animals with lesion	te			
(JPT150)					BAI

APPENDIX 01

IDENTITY OF N,N-DIMETHYLFORMAMIDE IN THE 2-YEAR INHALATION STUDY

IDENTITY OF N,N-DIMETHYLFORMAMIDE THE 2-YEAR INHALATION STUDY

Test Substance: N,N-Dimethylformamide (Wako Pure Chemical Industries, LTD.)

A. Lot No. : CAL4288

1. Spectral data

Mass Spectrometry

Instrument

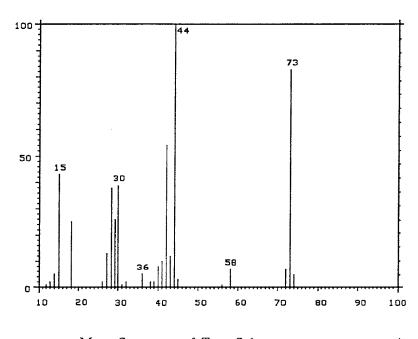
: Hitachi M-80B Mass Spectrometer

Ionization

: EI(Electron Ionization)

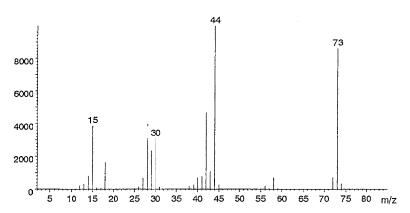
Ionization Voltage

: 70eV



Mass Spectrum of Test Substance

m/Z



Mass Spectrum of N,N-dimethylformamide (Literature data*)

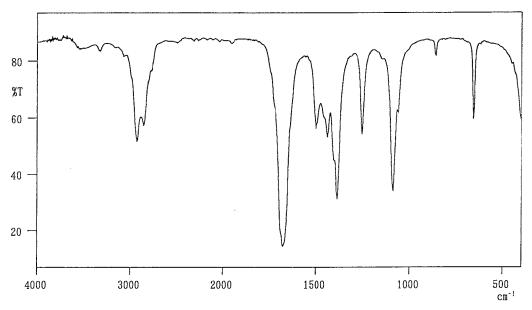
Results: The mass spectrum was consistent with literature spectrum.

^{*}Wiley 138K Mass Spectral Data Base Entry Number 1553(1990) John Wiley and Sons Inc.,U.K.

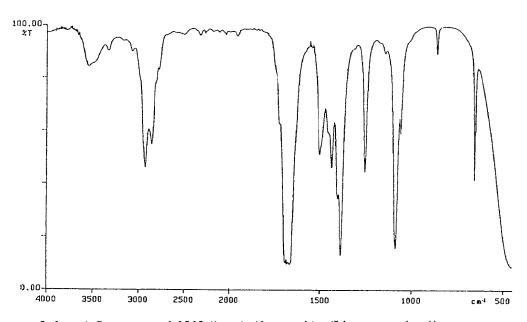
Infrared Spectrometry

Instrument : Shimazdu FT-IR 8200PC Infrared Spectrometer

Cell : KBr



Infrared Spectrum of Test Substance



Infrared Spectrum of N,N-dimethylformamide (Literature data*)

*Performed by Wako Pure Chemical Industries, LTD.

Results: The infrared spectrum was consistent with literature spectrum.

2. Conclusions: The test substance was identified as N,N-dimethylformamide, by the mass spectrum and the infrared spectrum.

B. Lot No.

: SKH4945

1. Spectral data

Mass Spectrometry

Instrument

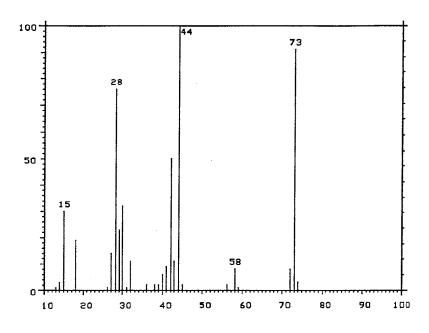
: Hitachi M-80B Mass Spectrometer

Ionization

: EI(Electron Ionization)

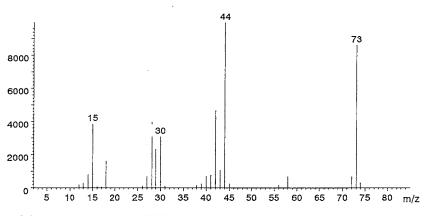
Ionization Voltage

: 70eV



Mass Spectrum of Test Substance

m/Z



Mass Spectrum of N,N-dimethylformamide (Literature data*)

Results: The mass spectrum was consistent with literature spectrum.

^{*}Wiley 138K Mass Spectral Data Base Entry Number 1553(1990) John Wiley and Sons Inc.,U.K.

Infrared Spectrometry

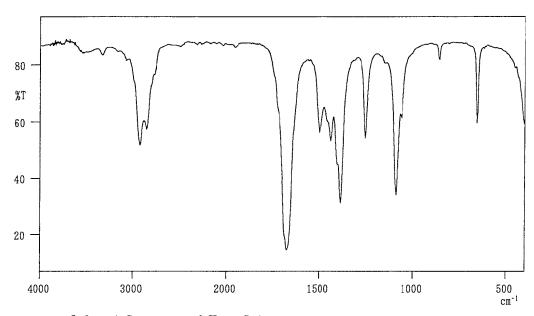
Instrument

: Shimazdu FT-IR 8200PC Infrared Spectrometer

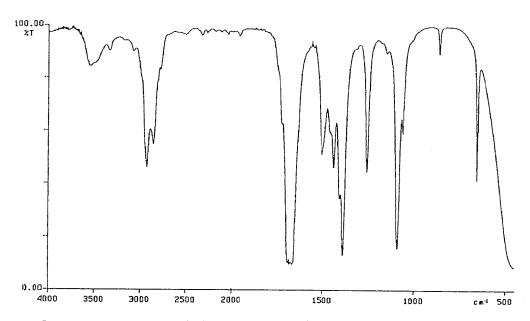
Cell

)

: KBr



Infrared Spectrum of Test Substance



Infrared Spectrum of N,N-dimethylformamide (Literature data*)

*Performed by Wako Pure Chemical Industries, LTD.

Results: The infrared spectrum was consistent with literature spectrum.

2. Conclusions: The test substance was identified as N,N-dimethylformamide, by the mass spectrum and the infrared spectrum.

C. Lot No.

: LEK4984

1. Spectral data

Mass Spectrometry

Instrument

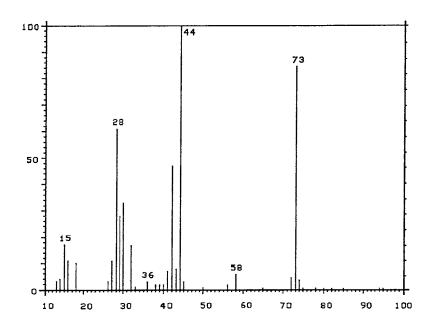
: Hitachi M-80B Mass Spectrometer

Ionization

: EI(Electron Ionization)

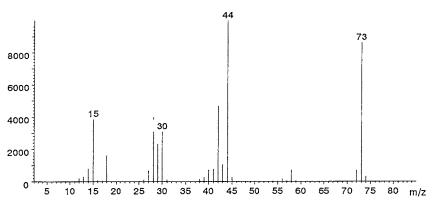
Ionization Voltage

: 70eV



Mass Spectrum of Test Substance

m/Z



Mass Spectrum of N,N-dimethylformamide (Literature data*)

Results: The mass spectrum was consistent with literature spectrum.

*Wiley 138K Mass Spectral Data Base Entry Number 1553(1990) John Wiley and Sons Inc.,U.K.

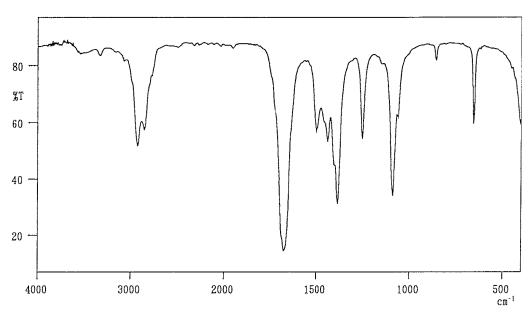
Infrared Spectrometry

Instrument :

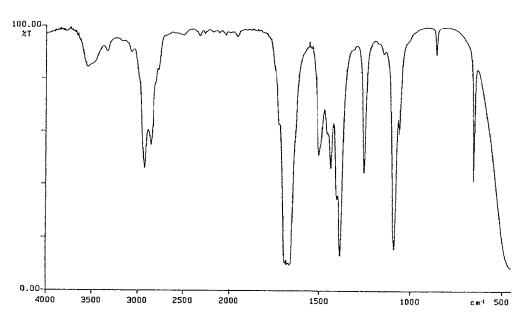
: Shimazdu FT-IR 8200PC Infrared Spectrometer

Cell

: KBr



Infrared Spectrum of Test Substance



Infrared Spectrum of N,N-dimethylformamide (Literature data*)

*Performed by Wako Pure Chemical Industries, LTD.

Results: The infrared spectrum was consistent with literature spectrum.

2. Conclusions: The test substance was identified as N,N-dimethylformamide, by the mass spectrum and the infrared spectrum.

D. Lot No.

: WTL5167

1. Spectral data

Mass Spectrometry

Instrument

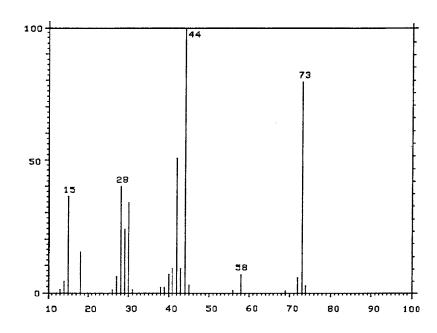
: Hitachi M-80B Mass Spectrometer

Ionization

: EI(Electron Ionization)

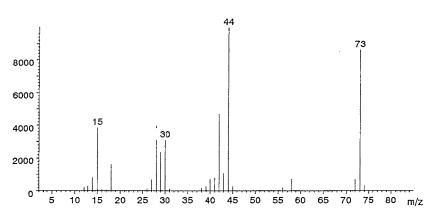
Ionization Voltage

: 70eV



Mass Spectrum of Test Substance

m/Z



Mass Spectrum of N,N-dimethylformamide (Literature data*)

Results: The mass spectrum was consistent with literature spectrum.

*Wiley 138K Mass Spectral Data Base Entry Number 1553(1990) John Wiley and Sons Inc.,U.K.

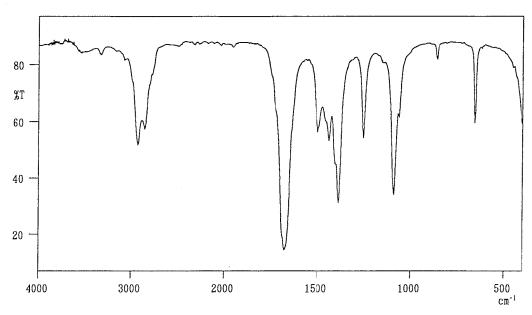
Infrared Spectrometry

Instrument

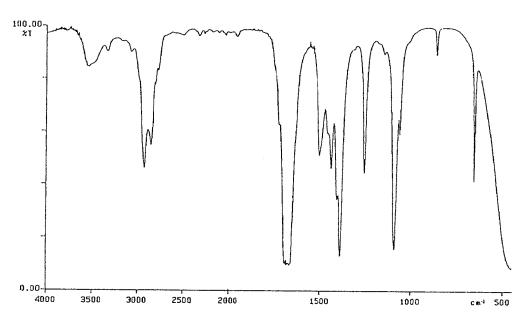
: Shimazdu FT-IR 8200PC Infrared Spectrometer

Cell

: KBr



Infrared Spectrum of Test Substance



Infrared Spectrum of N,N-dimethylformamide (Literature data*)

*Performed by Wako Pure Chemical Industries, LTD.

Results: The infrared spectrum was consistent with literature spectrum.

2. Conclusions: The test substance was identified as N,N-dimethylformamide, by the mass spectrum and the infrared spectrum.

APPENDIX O 2

STABILITY OF N,N-DIMETHYLFORMAMIDE IN THE 2-YEAR INHALATION STUDY

STABILITY OF N,N-DIMETHYLFORMAMIDE IN THE 2-YEAR INHALATION STUDY

Test Substance : N,N-Dimethylformamide (Wako Pure Chemical Industries, LTD.)

A. Lot No. : CAL4288

1.Sample: This lot was used from 1995.11.14 to 1995.11.13. Test substance was stored at room temperature .

•

2. Gas Chromatography

· ()

Instrument : Hewlett Packard 5890A

Column : Hewlett Packard INNOWax $(0.2 \text{mm } \phi \times 50 \text{m})$

Column Temperature : 150°C

Flow Rate : 1 ml/min

Detector : FID(Flame Ionization Detector)

Injection Volume : 1 μ 1

Results: Gas chromatography indicated one major peak(peak No.1) analyzed at 1995.10.20 and one major peak(peak No.1) analyzed at 1995.11.13.

No new trace impurity peak in the test substance analyzed at 1995.11.13

was detected.

Date (date analyzed)	Peak No.	Retention Time(min)	AREA(%)
1995.10.20	1	6.013	100
1995.11.13	1	6.012	100

3. Conclusions: The test substance was stable for about 3 weeks in the dark at room temperature.

B. Lot No. : SKH4945

1.Sample: This lot was used from 1995.11.14 to 1996.10.30. Test substance was stored at room temperature .

2. Gas Chromatography

Instrument

: Hewlett Packard 5890A

Column

: Hewlett Packard INNOWax $(0.2 \text{mm} \phi \times 50 \text{m})$

Column Temperature

: 150°C

Flow Rate

: 1 ml/min

Detector

: FID(Flame Ionization Detector)

Injection Volume

 $: 1 \mu 1$

Results: Gas chromatography indicated one major peak(peak No.1) analyzed

at 1995.11.13 and one major peak(peak No.1) analyzed at 1996.10.30. No new trace impurity peak in the test substance analyzed at 1996.10.30

was detected.

Date (date analyzed)	Peak No.	Retention Time(min)	AREA(%)
1995.11.13	1	6.012	100
1996.10.30	1	6.013	100

^{3.} Conclusions: The test substance was stable for about 1 year in the dark at room temperature.

C. Lot No.

: LEK4984

1. Sample: This lot was used from 1996.10.31 to 1997.10.22. Test substance was stored at room temperature .

2. Gas Chromatography

Instrument

: Hewlett Packard 5890A

Column

: Hewlett Packard INNOWax(0.2mm $\phi \times 50$ m)

Column Temperature

: 150°C

Flow Rate

: 1 ml/min

Detector

: FID(Flame Ionization Detector)

Injection Volume

: 1 μ 1

Results : Gas chromatography indicated one major peak(peak No.1) analyzed

at 1996.10.29 and one major peak(peak No.1) analyzed at 1997.10.23. No new trace impurity peak in the test substance analyzed at 1997.10.23

was detected.

Date (date analyzed)	Peak No.	Retention Time(min)	AREA(%)	
1996.10.29	1	6.012	100	
1997.10.23	1	6.01	100	

^{3.} Conclusions: The test substance was stable for about 1 year in the dark at room temperature.

D. Lot No. :

: WTL5167

1.Sample: This lot was used from 1997.10.23 to 1997.11.10. Test substance was stored at room temperature .

2. Gas Chromatography

Instrument

: Hewlett Packard 5890A

Column

: Hewlett Packard INNOWax $(0.2mm \phi \times 50m)$

Column Temperature

: 150°C

Flow Rate

: 1 ml/min

Detector

ì

: FID(Flame Ionization Detector)

Injection Volume

: 1 μ 1

Results : Gas chromatography indicated one major peak(peak No.1) analyzed

at 1997.10.21 and one major peak(peak No.1) analyzed at 1997.11.18. No new trace impurity peak in the test substance analyzed at 1997.11.18

was detected.

Date (date analyzed)	Peak No.	Retention Time(min)	AREA(%)
1997.10.21	1	6.012	100
1997.11.18	1	6.008	100

^{3.} Conclusions: The test substance was stable for about 1 months in the dark at room temperature.

APPENDIX P 1

CONCENTMOUSEION OF N,N-DIMETHYLFORMAMIDE IN INHALATION CHAMBER OF THE 2-YEAR INHALATION STUDY

CONCENTRATION OF N,N-DIMETHYLFORMAMIDE IN THE INHALATION CHAMBER OF THE 2-YEAR INHALATION STUDY

Group Name	Concentration (ppm) Mean \pm S.D.
Control	0.0 ± 0.0
200ppm	201.7 ± 5.2
400ppm	397.8 ± 7.8
800ppm	790.6 ± 18.3

APPENDIX P 2

ENVRIONMENTAL CONCENTMOUSEION OF INHALATION CHAMBER IN THE 2-YEAR INHALATION STUDY OF N,N-DIMETHYLFORMAMIDE

ENVIRONMENTAL CONDITIONS OF INHALATION CHAMBER IN THE 2-YEAR INHALATION STUDY OF N,N-DIMETHYLFORMAMIDE

Group Name	Temperature(°C) Mean \pm S.D.	Humidity(%) Mean ± S.D.	$\begin{array}{c} Ventilation \ Rate(L/min) \\ Mean \pm S.D. \end{array}$	Air Changes(time/h) Mean
$\operatorname{Control}$	22.4 ± 0.3	53.7 ± 1.3	$748.2 \pm 11.3 \ (370.8 \pm 4.2)$	12.1 (6.0)
$200 \mathrm{ppm}$	22.3 ± 0.2	49.9 ± 3.6	$737.2 \pm 10.5 \ (372.8 \pm 3.1)$	12.0 (6.0)
800ppm	22.3 ± 0.2	52.1 ± 4.3	$741.5 \pm 10.6 \ (371.9 \pm 3.3)$	12.0 (6.0)
400ppm	22.3 ± 0.2	48.7 ± 4.3	$743.1 \pm 10.8 \ (373.2 \pm 3.2)$	12.1 (6.1)

():during exposure

APPENDIX Q1

METHODS FOR HEMATOLOGY, BIOCHEMISTRY AND URINALYSIS IN THE 2-YEAR INHALATION STUDY OF N,N-DIMETHYLFORMAMIDE

METHODS FOR HEMATOLOGY, BIOCHEMISTRY AND URINALYSIS IN THE 2-YEAR INHALATION STUDY OF N,N-DIMETHYLFORMAMIDE

Item	Method	
Hematology		
Red blood cell (RBC)	Light scattering method 1)	
Hemoglobin (Hgb)	Cyanmethemoglobin method 1)	
Hematocrit (Hct)	Calculated as RBC × MCV/10 1)	
Mean corpuscular volume (MCV)	Light scattering method 1)	
Mean corpuscular hemoglobin (MCH)	Calculated as Hgb/RBC × 10 1)	
Mean corpuscular hemoglobin concentration (MCHC)	Calculated as Hgb/Hct × 100 1)	
Platelet	Light scattering method 1)	
White blood cell (WBC)	Light scattering method 1)	
Differential WBC	Pattern recognition method 2)	
	(May-Grunwald-Giemsa staining)	
Biochemistry		
Total protein (TP)	Biuret method 3)	
Albumin (Alb)	BCG method 3)	
A/G ratio	Calculated as Alb/(TP-Alb) 3)	
T-bilirubin	Alkaline azobilirubin method 3)	
Glucose	GlcK·G-6-PDH method 3)	
T-cholesterol	CE·COD·POD method 3)	
Triglyceride	LPL·GK·GPO·POD method 3)	
Glutamic oxaloacetic transaminase (GOT)	JSCC method 3)	
Glutamic pyruvic transaminase (GPT)	JSCC method 3)	
Lactate dehydrogenase (LDH)	SFBC method 3)	
Alkaline phosphatase (ALP)	GSCC method 3)	
Creatine phosphokinase (CPK)	JSCC method 3)	
Urea nitrogen	Urease • GLDH method 3)	
Sodium	Ion selective electrode method 3)	
Potassium	Ion selective electrode method 3)	
Chloride	Ion selective electrode method 3)	
Calcium	OCPC method 3)	
Inorganic phosphorus	PNP·XOD·POD method 3)	
Urinalysis		
PH,Protein,Glucose,Ketone body,Occult Blood,	Urinalysis reagent paper method 4)	
Urobilinogen	,	

- 1) Automatic blood cell analyzer (Technicon H·1: Bayer Corporation)
- 2) Automatic blood cell differential analyzer (Hitachi 8200: Hitachi, Ltd.)
- 3) Automatic analyzer (Hitachi 7070: Hitachi, Ltd.)
- 4) Ames reagent strips for urinalysis (Uro-Labstix: Bayer Corporation)

APPENDIX Q 2

UNITS AND DECIMAL PLACE FOR HEMATOLOGY AND BIOCHEMISTRY IN THE 2-YEAR INHALATION STUDY OF N,N-DIMETHYLFORMAMIDE

UNITS AND DECIMAL PLACE FOR HEMATOLOGY AND BIOCHEMISTRY IN THE 2-YEAR INHALATION STUDY OF N,N-DIMETHYLFORMAMIDE

Item	Unit	Decimal place
Hematology		
Red blood cell (RBC)	$\times 10^6/\mu L$	2
Hemoglobin	g/dL	1
Hematocrit	%	1
Mean corpuscular volume (MCV)	fL	1
Mean corpuscular hemoglobin (MCH)	pg	1
Mean corpuscular hemoglobin concentration (MCHC)	g/dL	1
Platelet	$\times 10^3/\mu$ L	0
White blood cell (WBC)	$\times 10^3/\mu L$	2
Differential WBC	%	0
Biochemistry		
Total protein	g/dL	1
Albumin	g/dL	1
A/G ratio	_	1
T-bilirubin	mg/dL	2
Glucose	mg/dL	0
T-cholesterol	mg/dL	0
Triglyceride	mg/dL	0
Glutamic oxaloacetic transminase (GOT)	IU/L	0
Glutamic pyruvic transaminase (GPT)	IU/L	0
Lactate dehydrogenase (LDH)	IU/L	0
Alkaline phosphatase (ALP)	IU/L	0
Creatine phosphokinase (CPK)	IU/L	0
Urea nitrogen	mg/dL	1
Sodium	mEq/L	0
Potassium	mEq/L	1
Chloride	mEq/L	0
Calcium	mg/dL	1
Inorganic phosphorus	mg/dL	1