塩化メチルのラット及びマウスを用いた吸入によるがん原性試験報告書

APPENDIX

(D1~I 4)

試験番号: ラット/0210; マウス/0211

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APPENDIX D 1

HEMATOLOGY: SUMMARY, RAT: MALE

STUDY NO. : 0210 ANIMAL : RAT F344 HEMATOLOGY (SUMMARY) ALL ANIMALS (105)

SAMPLING DATE: 105-1

SEX : MALE REPORT TYPE : A1

Group Name	NO. of Animals	RED BLO	OOD CELL	g∕dl HEMOGLO	BIN	HEMATOC %	RIT	MCV f Q		MCH Pg		g∕dl g∕dl		PLATELE 1 0³/µ	
Control	41	7.99±	1.76	14.2±	3.3	42.2±	8.3	54.1±	9.8	18.0±	2.5	33.3±	2.3	934±	218
50 ppm	40	7.99±	1.77	14.1±	3.3	42.3±	8.3	53.5±	5.5	17.6±	1.4	32.9±	2.4	936±	256
224 ppm	35	8.29±	1.20	14.7±	2.4	43.3±	6.0	52.3±	1.9	17.7±	1.1	33.8±	1.8	931±	237
1000 ppm	41	8.95±	1.64*	15.9±	2.7*	46.3±	7.3	52.2±	3.2	17.8±	1.0	34.2±	1.4*	805±	185*

PAGE: 1

(HCLO70)

ANIMAL : RAT F344 SAMPLING DATE: 105-1 HEMATOLOGY (SUMMARY) ALL ANIMALS (105)

SEX : MALE REPORT TYPE : A1

Group Name	NO. of Animals	WB0 1 O³∕		N-BAND	ferentia	L WBC (9 N-SEG	6)	EOSINO		BASO		MONO		LYMPHO		OTHERS	
Control	41	6.82±	5.82	0±	1	55±	12	1±	1	0±	0	5±	2	34±	10	4±	12
50 ppm	40	16.41±	58.47	0±	1	52±	14	2±	1	0±	0	5±	2	34±	11	8±	19
224 ppm	35	6.20±	1.87	0±	1	56±	9	1±	1	0±	0	5±	2	35±	9	2±	2
1000 ppm	41	13.82±	50.09	1±	1	47±	12*	1±	1	0±	0	5±	2	40±	11*	6±	16
Significar	nt difference	; *:P	≦ 0.05	**: P ≦	0.01			Test	of Dunr	ett							BAIS3

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APPENDIX D 2

HEMATOLOGY: SUMMARY, RAT: FEMALE

STUDY NO.: 0210 ANIMAL: RAT F344 HEMATOLOGY (SUMMARY) ALL ANIMALS (105)

SAMPLING DATE: 105-1

SEX : FEMALE

REPORT TYPE : A1

PAGE: 3

Group Name	NO. of Animals	RED BLOOD CELL 1 O ⁶ /µl	HEMOGLOBIN g∕dl	HEMATOCRIT %	MCV f &	MCII pg	MCHC g∕dl	PLATELET 1 0³/µl
Control	37	7.68± 0.81	14.3± 1.7	42.1± 4.0	55.0± 2.8	18.7± 1.0	34.0± 1.6	687± 143
50 ppm	36	7.41± 1.41	14.2± 2.2	41.5± 5.4	57.4± 8.7	19.4± 1.7	34.0± 1.7	654± 172
224 ppm	43	7.53± 1.27	14.3± 2.2	41.8± 5.2	56.3± 5.8	19.0± 0.8	34.0± 1.8	667± 209
1000 ppm	36	7.57± 1.47	14.3± 2.9	41.5± 6.8	55.5± 4.3	18.8± 1.2	33.9± 2.8	673± 85

(HCL070)

STUDY NO. : 0210 ANIMAL : RAT F344

SAMPLING DATE: 105-1

SEX : FEMALE

REPORT TYPE : A1

HEMATOLOGY (SUMMARY) ALL ANIMALS (105)

Group Name NO. of WBC (%) Differential WBC 1 0³/μℓ Animals N-BAND N-SEG EOSINO BASO MONO LYMPHO OTHERS Control 37 3.01 ± 1.48 $1\pm$ 2 $50 \pm$ 13 $2\pm$ 1 0土 0 $5\pm$ 2 39± 4土 8 10 50 ppm 36 3.03± 1.46 1士 2 $52\pm$ 13 1± 1 0土 0 $5\pm$ 2 8 36± $5\pm$ 10 224 ppm 43 6.76± 17.89 1土 1 $46\pm$ 14 1± 1 0± 0 $5\pm$ 2 $39\pm$ 13 8± 19 $1\pm$ 5± 1000 ppm 36 1± 3 $41\pm$ 12** $0\pm$ 47± $5\pm$ 10.89± 49.32 13** 14 Significant difference; $*: P \leq 0.05$ **: $P \leq 0.01$ Test of Dunnett

PAGE: 4

(HCL070) BAIS 3

APPENDIX D 3

HEMATOLOGY: SUMMARY, MOSUE: MALE

ANIMAL : MOUSE BDF1 SAMPLING DATE: 105-4

HEMATOLOGY (SUMMARY) ALL ANIMALS (105)

SEX : MALE PAGE: 1 REPORT TYPE : A1

Group Name	NO. of Animals	RED BLOOD CELL. 1 O°/μλ	g∕dl HEMOGLOBIN	HEMATOCRIT %	MCV f Q	MCH Pg	MCHC g/dl	PLATELET 1 Ο³ / μℓ
Control	38	9.29± 1.19	13.5± 1.8	41.7± 5.2	45.0± 2.3	14.6± 0.7	32.3± 1.1	1850± 371
50 ppm	41	9.41± 1.14	13.6± 1.7	41.6± 4.8	44.4± 2.5	14.5± 0.8	32.7± 1.4	1831± 457
200 ppm	39	9.26± 1.10	13.8± 1.3	42.1± 3.9	45.7± 2.7	15.0± 1.0	32.8± 1.7	1973± 351
mag 008	0	-	-	-		-	-	-
Significan	t difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			
(HCL070)					. , , , , , , , , , , , , , , , , , , ,			BAT

(HCL070)

STUDY NO. : 0211 ANIMAL : MOUSE BDF1

SAMPLING DATE: 105-4

SEX : MALE

REPORT TYPE : A1

HEMATOLOGY (SUMMARY) ALL ANIMALS (105)

Group Name	NO. of Animals	WBC 1 0³∕με	Differe N-BAND	ntial WBC (9 N-SEG	%)	EOSINO		BASO		MONO		LYMPIIO	,	OTHERS	
Control	38	4.58± 7.60	1± 2	31±	14	1±	1	0±	0	3±	2	62±	15	2±	4
50 ppm	41	2.96± 1.41	1± 1	33±	14	1±	1	0±	0	3±	2	61±	15	1±	2
200 ppm	39	3.16± 1.82	1± 1	34±	17	1±	1	0±	0	3±	1	60±	17	1±	2
mqq 008	0	-		-		-		-		-				-	

PAGE: 2

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

(HCL070) BAIS 3

APPENDIX D 4

HEMATOLOGY: SUMMARY, MOSUE: FEMALE

STUDY NO. : 0211 ANIMAL : MOUSE BDF1 HEMATOLOGY (SUMMARY) ALL ANIMALS (105)

SAMPLING DATE: 105-4

SEX : FEMALE

REPORT TYPE : A1

PAGE: 3

Group Name	NO. of Animals	RED BLOOD CELL 1 O ⁶ /μl	HEMOGLOBIN g/dl	HEMATOCRIT %	MCV f Q	MCH pg	MCHC g∕dl	PLATELET 1 Ο³ / μℓ
Control	32	9.09± 1.69	13.3± 2.4	40.9± 6.9	45.7± 5.0	14.7± 0.9	32.4± 1.5	1070± 367
50 ppm	33	9.28± 1.06	13.8± 1.4	42.3± 3.9	45.8± 2.6	14.9± 0.6	32.6± 1.1	1054± 296
200 ppm	32	9.50± 1.19	14.2± 1.5	43.4± 4.2	46.0± 3.7	15.0± 0.6	32.6± 1.4	1131± 293
800 ppm	0	-	-	-	-	-	-	-
Significan	t difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			×

(HCL070)

STUDY NO. : 0211 ANIMAL : MOUSE BDF1

SAMPLING DATE: 105-4

SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY) ALL ANIMALS (105)

: FEMALE	REPORT TYPE : A1	PAGE:	4

															<u></u>		
Control 32	3.4	6±	3.84	1±	3	39±	20	1±	2	0±	0	4±	2	52士	22	3±	5
50 ppm 33	3.9	5±	7.51	1±	1	36±	16	1±	2	0±	0	4±	2	56±	16	2±	4
200 ppm 32	2.3	3±	3.40	0±	1	34±	17	1±	2	0±	0	4±	2	58±	17	2±	3
800 ppm 0		-		-		-		-				-		-		-	

(HCL070) BAIS 3

APPENDIX E 1

BIOCHEMISTRY: SUMMARY, RAT: MALE

STUDY NO. : 0210 ANIMAL : RAT F344 BIOCHEMISTRY (SUMMARY) ALL ANIMALS (105)

SAMPLING DATE: 105-2

SEX : MALE

REPORT TYPE : A1

PAGE: 1

Group Name	NO. of Animals	TOTAL P g/dl	ROTEIN	ALBUMIN g∕dl		A/G RAT	10	T-BILI		GLUCOSE mg/dl		T-CHOLES	STEROL	TRIGLYC mg/dl	ERIDE
Control	41	6.6±	0.3	3.2±	0.2	0.9±	0.1	0.24±	0.21	151±	27	204生	54	205±	120
50 ppm	40	6.5±	0.4	3.2±	0.2	1.0±	0.1	0.21±	0.04	156±	19	217±	67	206±	128
224 ppm	35	6.6±	0.4	3.1±	0.3	0.9±	0.1	0.23±	0.05	151±	21	251±	93	280±	187
1000 ppm	41	6.6±	0.4	3.3±	0.2**	1.0±	0.1**	0.37±	0.72	144±	28	192±	72	180±	148

(HCL074)

STUDY NO. : 0210 ANIMAL : RAT F344 BIOCHEMISTRY (SUMMARY) ALL ANIMALS (105)

SAMPLING DATE: 105-2 SEX : MALE

REPORT TYPE : A1 PAGE: 2

Group Name	NO. of Animals	PHOSPHO mg/dl		GOT IU/Q	,	GPT IU∕↓		LDH IU/1	,	ALP IU/(,	G-GTP IU∕₽		CPK IU/Q	1
Control	41	288±	67	79±	92	39±	28	167±	99	181±	85	7±	6	79±	24
50 ppm	40	304±	88	103生	172	54±	99	195士	251	167±	50	7±	3	92±	81
224 ppm	35	347±	126	64±	31	34±	14	162±	49	148±	53*	7±	4	75±	13
1000 ppm	41	270±	114	134±	296	63±	111**	190±	245	189士	176	9土	7	181士	675

(HCL074) BAIS 3 STUDY NO.: 0210 ANIMAL : RAT F344

SAMPLING DATE: 105-2

BIOCHEMISTRY (SUMMARY) ALL ANIMALS (105)

SEX : MALE

REPORT TYPE : A1

PAGE: 3

Group Name	NO. of Animals	UREA N mg∕dl	ITROGEN	CREATIN mg/dl		SODIUM mEq/l		POTASSI mEq/1		CHLORIDE mEq∕Q		mg∕dl CVFCINW		INORGAN mg∕dl	IC PHOSPHORUS
Control	41	25.3±	6.8	0.8±	0.2	144±	2	3.6±	0.3	108±	2	10.9±	0.4	4.6±	0.8
50 ppm	40	28.5±	18.5	0.8±	0.4	143±	2	3.6±	0.3	108±	2	11.0±	0.6	4.9±	2.2
224 ppm	35	25.4±	7.8	0.8±	0.3	143±	2	3.6±	0.3	107±	2	11.1±	0.5	4.6±	1.2
1000 ppm	41	20.2±	5.8**	0.6±	0.1**	144±	3	3.6±	0.4	108±	2	10.8±	0.4	4.4±	0.7

(HCL074)

APPENDIX E 2

BIOCHEMISTRY: SUMMARY, RAT: FEMALE

STUDY NO. : 0210 ANIMAL : RAT F344

BIOCHEMISTRY (SUMMARY) ALL ANIMALS (105)

1.2± 0.1

SAMPLING DATE: 105-2 SEX : FEMALE

1000 ppm

36

 $6.9 \pm$

0.4

REPORT TYPE : A1

NO. of TOTAL PROTEIN Group Name ALBUMIN A/G RATIO T-BILIRUBIN GLUCOSE T-CHOLESTEROL TRIGLYCERIDE g/dl Animals g/dl mg/dl mg/dl mg/dl mg/dl 37 0.6 $3.7\pm$ Control $6.8 \pm$ 0.4 1.2± 0.2 0.19± 0.03 · 143士 21 $157 \pm$ 44 109± 109 50 ppm 36 $6.9 \pm$ 0.4 $3.7\pm$ 0.2 1.2± 0.1 0.24± 0.18 21 154土 159± 48 140士 107 224 ppm 43 7.0± 0.4 $3.8 \pm$ 0.3 $1.2\pm$ 0.1 0.22± 0.08 $144\pm$ 22 $162 \pm$ 54 $124\pm$ 101

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

 $3.8 \pm$

0.3

(IICL074) BAIS 3

0.19± 0.03

143士

15

 $150 \pm$

41

98±

60

PAGE: 4

STUDY NO.: 0210 ANIMAL: RAT F344 SAMPLING DATE: 105-2 BIOCHEMISTRY (SUMMARY) ALL ANIMALS (105)

SEX : FEMALE

REPORT TYPE : A1

PAGE: 5

Group Name	NO. of Animals	PHOSPHOI mg/dl	LIPID	GOT IU/£		GPT IU/Q		LDH IU/(ı	ALP IU/0		G-GTP IU/l		CPK IU/J	2
Control	37	273±	72	100±	49	62±	39	149±	51	118±	44	5±	7	83±	49
50 ppm	36	277±	80	119±	104	64±	44	163±	53	132±	47	4±	3	74±	19
224 ppm	43	277±	7 9	129±	103	65±	32	206±	201	135±	64	4±	4	149土	460
1000 ppm	36	260±	65	102±	74	59±	28	169±	159	127±	83	4±	4	75±	48*

(HCL074)

STUDY NO.: 0210 ANIMAL: RAT F344 BIOCHEMISTRY (SUMMARY) ALL ANIMALS (105)

SAMPLING DATE: 105-2

SEX : FEMALE

REPORT TYPE : A1

PAGE: 6

Group Name	NO. of Animals	UREA NI mg/dl	TROGEN	CREATIN mg/dl	INE	SODIUM mEq/l		POTASSI mEq/s		CHLORIDE mEq/2		CALCIUM mg/dl		INORGAN mg∕dl	IC PHOSPHORUS
Control	37	19.6±	14.6	0.6±	0.5	142±	3	3.4±	0.5	106±	3	10.9±	0.5	4.2±	1.0
50 ppm	36	17.2±	3.4	0.5±	0.1	142±	2	3.3±	0.3	106±	2	10.7±	0.4	3.6±	1.0
224 ppm	43	16.4±	3.0	0.5±	0.1	142±	3	3.4±	0.5	106±	2	10.8±	0.5	3.9±	1.0
1000 ppm	36	17.2±	2.2	0.5±	0.0	143±	2	3.3±	0.4	106±	2	10.6±	0.4	3.8±	1.0
Significan	t defference ;	*: P ≤ 0	.05	**: P ≤ 0.0	1			Test of Dur	nnett						

(HCL074)

APPENDIX E 3

BIOCHEMISTRY: SUMMARY, MOSUE: MALE

ANIMAL : MOUSE BDF1

SAMPLING DATE: 105-5 SEX: MALE

REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY) ALL ANIMALS (105)

NO. of T-BILIRUBIN GLUCOSE T-CHOLESTEROL TRIGLYCERIDE Group Name TOTAL PROTEIN A/G RATIO ALBUMIN Animals g/dl g/dl mg/dl mg/dl mg/dl mg/dl Control 38 5.4 ± 0.7 $2.9 \pm$ 0.5 1.2± 0.2 0.19± 0.05 171士 42 $108 \pm$ $38\pm$ 15 128± 50 ppm $5.6 \pm$ 0.9 $3.0 \pm$ 0.5 1.2± 0.2 0.19± 0.05 178± 34 122 $36\pm$ 15 41 1.3± 0.1 179± 27 38 $35\pm$ 12 200 ppm 39 $5.5 \pm$ 0.6 3.1± 0.4 0.18± 0.02 116± mag 008 0

PAGE: 1

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

(HCL074) BAIS 3

STUDY NO. : 0211 ANIMAL : MOUSE BDF1

SAMPLING DATE: 105-5

SEX : MALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY) ALL ANIMALS (105)

Group Name	NO. of Animals	GOT IU/l		GPT IU∕£), 	I U / ß	2	ALP IU/(,	CPK IU/Q		UREA N		SODIUM mEq/Q	
Control	38	97±	65	57±	70	345±	232	161±	113	60±	44	24.3±	9.5	156±	2
50 ppm	41	177±	346	79±	137	425±	485	161±	67	56±	46	25.5±	20.9	156±	2
200 ppm	39	79±	41	48±	64	354±	292	160±	84	51±	19	23.1±	3.0	157±	2
800 ppm	0	-		-		-		-		_		-		-	

PAGE: 2

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

(HCLO74) BAIS 3

STUDY NO. : 0211 ANIMAL : MOUSE BDF1

SAMPLING DATE: 105-5

BIOCHEMISTRY (SUMMARY) ALL ANIMALS (105)

SEX : MALE

REPORT TYPE : A1

Group Name	NO. of Animals	POTASSI mEq/(CHLORIDE mEq∕2		mg/dl mg/dl		INORGAN mg∕dl	C PHOSPHORUS	
Control	38	4.1±	0.4	123±	3	9.1±	0.5	6.6±	0.7	
50 ppm	41	4.2±	0.4	124±	3	9.2±	0.6	6.6±	1.1	
mqq 009	39	4.4±	0.4*	125±	2	9.1±	0.5	6.8±	0.7	
800 ppm	0	_				_		_		

(HCL074)

BAIS3

PAGE: 3

APPENDIX E 4

BIOCHEMISTRY: SUMMARY, MOSUE: FEMALE

BIOCHEMISTRY (SUMMARY) ALL ANIMALS (105)

ANIMAL : MOUSE BDF1 SAMPLING DATE: 105-5

SEX : FEMALE

REPORT TYPE : A1

PAGE: 4

Group Name	NO. of Animals	TOTAL PRO	OTEIN	aLBUMIN g∕dl		A/G RAT	10	T-BILII mg∕dl		GLUCO mg/o		T-CHOLES	STEROL	TRIGLYC mg/dl	ERIDE
Control	34	5.3±	1.0	2.8±	0.4	1.2±	0.3	0.53±	1.95	132±	34	85±	33	36±	21
50 ppm	33	5.1±	0.5	2.9±	0.3	1.4±	0.2*	0.21±	0.11	139±	29	85±	56	35±	22
200 ppm	32	5,2±	0.5	3.0±	0.2	1.4±	0.2*	0.20±	0.05	140±	26	73±	14	28±	13
800 ppm	0	-		-		_		_		: -		_		_	

(HCL074)

STUDY NO. : 0211 ANIMAL : MOUSE BDF1 BIOCHEMISTRY (SUMMARY) ALL ANIMALS (105)

SAMPLING DATE: 105-5

SEX : FEMALE

REPORT TYPE : A1

PAGE: 5

Group Name	NO. of Animals	GOT IU/(ı	GPT IU∕Ω	ļ.	LDH IU/Q	,	ALP IU/s	ı	CPK IU/s	2	UREA NI mg∕dl	TROGEN	SODIUM mEq/Q	
Control	34	185±	276	94±	201	679±	900	223±	120	121±	206	17.9±	8.7	156±	4
50 ppm	33	98±	39	42±	23	303±	159**	224±	85	68±	48	16.7±	6.4	154±	2
200 ppm	32	104±	50	39±	25	373±	323*	235±	110	90±	111	16.8±	3.2	155±	2
800 ppm	0	_		-		_		_		_		_		_	

(HCL074)

ANIMAL : MOUSE BDF1 SAMPLING DATE : 105-5

SEX : FEMALE

REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY) ALL ANIMALS (105)

SEA · PEMALE	REPORT I	TYPE: AI								PAGE: 6
Group Name	NO. of Animals	POTASSI mEq/1		CHLORIDE mEq/Q		CALCIUM mg/dl		INORGAN mg/dl	IC PHOSPHORUS	
Control	34	4.2±	0.6	124±	5	9.4±	0.5	6.2±	1.2	
50 ppm	33	4.1±	0.6	124±	2	9.2±	0.6	6.2±	1.1	
200 ppm	32	4.1±	0.4	124±	3	9.1±	0.4	6.4±	1.2	
mqq 008	0	-		-		-		-	•	
Significant	defference;	*: P ≤ 0).05	**: P ≤ 0.01				Test of Dur	nett	

(IICL074)

APPENDIX F 1

URINALYSIS: SUMMARY, RAT: MALE

URINALYSIS

ANIMAL : RAT F344 SAMPLING DATE: 104-4

SEX : MALE

REPORT TYPE : A1

Group Name NO. of Protein_ Glucose_ Ketane bady Bilirubin Animals 5.0 6.0 6.5 7.0 7.5 8.0 8.5 CHI $-\pm + 2 + 3 + 4 + CHI$ - ± + 2+ 3+ 4+ CHI - ± + 2+ 3+ 4+ CHI - + 2+ 3+ CHI Control 42 0 0 4 3 14 21 0 0 0 0 3 27 12 42 0 0 0 0 0 42 0 0 0 0 0 42 0 0 0 50 ppm 41 0 1 10 7 9 14 0 0 0 0 2 26 13 41 0 0 0 0 0 41 0 0 0 41 0 0 0 0 0 224 ppm 38 2 6 11 10 9 0 0 0 1 29 8 0 * 38 0 0 0 0 0 38 0 0 0 0 0 38 0 0 0 1000 ppm 0 0 4 16 15 6 1 ** 0 0 0 2 30 10 42 0 0 0 0 0 42 0 0 0 0 0 42 0 0 0

PAGE: 1

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

(HCL101)

URINALYSIS

ANIMAL : RAT F344

SAMPLING DATE: 104-4

SEX : MALE

REPORT TYPE : A1

Group Name	NO. of Animals	Occult blood — ± + 2+ 3+ CHI	Urobilinogen ± + 2+ 3+ 4+ CHI		·
Control	42	39 2 1 0 0	42 0 0 0 0		•
50 ppm	41	37 2 1 1 0	41 0 0 0 0		
224 ppm	38	37 0 0 0 1	38 0 0 0 0		
1000 ppm	42	42 0 0 0 0	42 0 0 0 0		
Significar	nt difference	; *: P ≤ 0.05 **	: P ≤ 0.01	Test of CHI SQUARE	
(HCL101)					BAIS 3

PAGE: 2

(HCL101)

APPENDIX F 2

URINALYSIS: SUMMARY, RAT: FEMALE

URINALYSIS

ANIMAL : RAT F344 SAMPLING DATE : 104-4

SEX : FEMALE

REPORT TYPE : AI

Group Name NO. of pH______ Protein____ Glucose____ Ketone body Bilirubin
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

PAGE: 3

Control 37 0 2 1 9 12 11 2 0 0 1 6 12 18 37 0 0 0 0 0 30 7 0 0 0 0 37 0 0 0 50 ppm 37 9 6 18 0 0 5 4 10 18 37 0 0 0 0 0 31 6 0 0 0 0 37 0 0 0 224 ppm 2 8 11 13 10 0 1 1 11 10 23 46 0 0 0 0 0 35 11 0 0 0 0 45 0 0 1 1000 ppm 41 0 2 3 8 10 15 3 0 0 3 13 17 8 * 41 0 0 0 0 0 33 7 1 0 0 0 41 0 0 0

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

(HCL101) BAIS 3

URINALYSIS

ANIMAL : RAT F344

SAMPLING DATE: 104-4 SEX : FEMALE

SEX : FEMALE	REPORT	TYPE : A1			PAGE: 4
Group Name	NO. of Animals	Occult blood - ± + 2+ 3+ CHI	Urobilinogen ± + 2+3+4+ CHI		
Control	37	37 0 0 0 0	37 0 0 0 0		
50 ppm	37	37 0 0 0 0	37 0 0 0 0		
224 ppm	46	44 1 0 0 1	46 0 0 0 0		
1000 ppm	41	40 0 0 0 1	41 0 0 0 0		
Significan	t difference	; *: P ≤ 0.05 **	: P ≤ 0.01	Test of CHI SQUARE	
(HCL101)	. ,				BAIS3

APPENDIX F 3

URINALYSIS: SUMMARY, MOSUE: MALE

URINALYSIS

ANIMAL : MOUSE BDF1 SAMPLING DATE: 103-7

SEX : MALE REPORT TYPE : A1

PAGE: 1

roup Name	NO. of	pH_								Protein	Glucose	Ketane bady	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	38	0	0	6	16	5	10	1		0 3 24 11 0 0	38 0 0 0 0 0	8 24 6 0 0 0	35 1 0 1 1
50 ppm	42	0	2	6	10	14	10	0		0 3 22 14 3 0	42 0 0 0 0 0	10 25 6 1 0 0	38 2 0 1 1
mag 00	41	0	0	3	7	15	15	1	*	0 1 23 17 0 0	41 0 0 0 0 0	5 32 2 2 0 0	38 1 0 1 1
300 ppm	0	-	-	-	-	-	-	-					

(HCL101) BAIS3

URINALYSIS

ANIMAL : MOUSE BDF1 SAMPLING DATE: 103-7

SEX : MALE

REPORT TYPE : A1

PAGE: 2 NO. of Vrobilinogen Group Name Animals 士 + 2+ 3+ 4+ CHI Contral 38 0 0 0 0 50 ppm 42 0 0 0 0 200 ppm 41 41 0 0 0 0 800 ppm 0 Significant difference ; $*: P \leq 0.05$ Test of CHI SQUARE ** : $P \leq 0.01$ (HCL101) BAIS 3

APPENDIX F 4

URINALYSIS: SUMMARY, MOSUE: FEMALE

URINALYSIS

ANIMAL : MOUSE BDF1 SAMPLING DATE: 103-7

SEX : FEMALE REPORT TYPE : A1

Graup Name	NO. of	Hq							Protein	Glucase	Ketone body	Occult blood
	Animals	5.0	6.0	6.5	7.0	7.5	8.0	3.5 CHI	- ± + 2+ 3+ 4+ CHI	$-\pm + 2 + 3 + 4 + $ CHI	- ± + 2+ 3+ 4+ CHI	$-\pm + 2 + 3 + $ CHI
Control	36	0	1	2	8	12	11	2	0 4 19 11 2 0	36 0 0 0 0 0	21 12 3 0 0 0	35 1 0 0 0
50 ppm	37	0	0	2	7	12	15	1	0 2 22 12 1 0	37 0 0 0 0 0	17 19 1 0 0 0	30 3 3 0 1
200 ppm	34	0	1	3	4	9	15	2	0 3 16 15 0 0	34 0 0 0 0 0	15 15 4 0 0 0	33 1 0 0 0
800 ppm	0	_	_	_	_	-	_	_		· · · · · · · · ·		

URINALYSIS

ANIMAL : MOUSE BDF1 SAMPLING DATE: 103-7

SEX: FEMALE

REPORT TYPE : A1

Group Name NO. of Vrabilinagen ± + 2+ 3+ 4+ CHI Animals Control 36 36 0 0 0 0 50 ppm 37 37 0 0 0 0 200 ppm 34 34 0 0 0 0 mag 008 0 Significant difference ; $*: P \leq 0.05$ **: $P \leq 0.01$ Test of CHI SQUARE (HCL101) BAIS 3

GROSS FINDINGS : SUMMARY, RAT : MALE : DEAD AND MORIBUND ANIMALS (TOW-YERA STUDY)

STUDY NO. : 0210 GROSS FINDINGS (SUMMARY)
ANIMAL : RAT F344 DEAD AND MORIBUND ANIMALS

REPORT TYPE : A1
SEX : MALE

DEAD AND MORIBUND ANIMALS (0-105W)

Organ	Findings	Group Name NO. of Animals	Cantrol 8 (%)	50 ppm 9 (%)	224 ppm 14 (%)	1000 ppm 9 (%)
skin/app	nadule		1 (13)	0 (0)	0 (0)	0 (0)
subcutis	j aundi ce		0 (0)	1 (11)	1 (7)	1 (11)
	nodule		0 (0)	0 (0)	1 (7)	0 (0)
	mass		2 (25)	2 (22)	4 (29)	0 (0)
lung	red		0 (0)	1 (11)	0 (0)	0 (0)
	voluminus		0 (0)	0 (0)	1 (7)	0 (0)
ymph nade	enlarged		0 (0)	1 (11)	1 (7)	0 (0)
thymus	atrophic		0 (0)	0 (0)	1 (7)	0 (0)
	red		0 (0)	0 (0)	0 (0)	1 (11)
pleen	enlarged		2 (25)	3 (33)	7 (50)	3 (33)
eart	white		0 (0)	1 (11)	0 (0)	0 (0)
rtery/aort	induration		0 (0)	0 (0)	0 (0)	1 (11)
ongue	nadule		0 (0)	0 (0)	0 (0)	1 (11)
orestomach	ulcer		0 (0)	1 (11)	0 (0)	1 (11)
al stomach	black zone		1 (13)	0 (0)	0 (0)	0 (0)
	ulcer		0 (0)	0 (0)	1 (7)	0 (0)
	thick		0 (0)	0 (0)	1 (7)	0 (0)
iver	enlarged		1 (13)	0 (0)	2 (14)	0 (0)
	pale		0 (0)	0 (0)	1 (7)	0 (0)
	raush		0 (0)	1 (11)	2 (14)	1 (11)
	herniation		0 (0)	1 (11)	0 (0)	0 (0)
ancreas	nodule		0 (0)	0 (0)	1 (7)	0 (0)

GROSS FINDINGS (SUMMARY) DEAD AND MORIBUND ANIMALS (0-105W) ANIMAL : RAT F344
REPORT TYPE : A1
SEX : MALE

Organ	Findings	Group Name NO. of Animals	Control 8 (%)	50 ppm 9 (%)	224 ppm 14 (%)	1000 ppm 9 (%)
idney	granular		2 (25)	3 (33)	5 (36)	2 (22)
rin bladd	red zane		0 (0)	0 (0)	1 (7)	0 (0)
	urine:marked retention		0 (0)	0 (0)	1 (7).	0 (0)
tui tary	enlarged		0 (0)	4 (44)	1 (7)	1 (11)
	red zone		1 (13)	0 (0)	0 (0)	0 (0)
	nodule		0 (0)	1 (11)	0 (0)	0 (0)
yroid	enlarged		0 (0)	0 (0)	0 (0)	1 (11)
renal	enlarged		2 (25)	0 (0)	1 (7)	0 (0)
tis	enlarged		1 (13)	0 (0)	0 (0)	0 (0)
	atrophic		0 (0)	1 (11)	1 (7)	1 (11)
	nadule		4 (50)	3 (33)	10 (71)	5 (56)
didymis	nodule		0 (0)	0 (0)	0 (0)	1 (11)
in	red zone		0 (0)	1 (11)	2 (14)	1 (11)
nal cord	nodule		1 (13)	0 (0)	0 (0)	0 (0)
ura	nodule		0 (0)	1 (11)	0 (0)	0 (0)
itaneum	nodule		1 (13)	0 (0)	2 (14)	2 (22)
raperit	mass		0 (0)	0 (0)	0 (0)	2 (22)
ominal c	ascites		1 (13)	0 (0)	3 (21)	1 (11)
racic ca	hemorrhage		0 (0)	I (11)	0 (0)	0 (0)
	mass		0 (0)	0 (0)	0 (0)	1 (11)
	ploural fluid		0 (0)	2 (22)	2 (14)	0 (0)
	ascites	•	0 (0)	0 (0)	0 (0)	1 (11)

STUDY NO. : 0210 ANIMAL : RAT F344

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

REPORT TYPE : A1 : MALE SEX

Organ	Findings	Group Name NO. of Animals	Control 8 (%)	50 ppm 9 (%)	224 ppm 14 (%)	1000 ppm 9 (%)
:her	black		0 (0)	0 (0)	1 (7)	0 (0)
	fluid		0 (0)	1 (11)	0 (0)	0 (0)
	tail:nodule		0 (0)	0 (0)	0 (0)	1 (11)
ole bady	anemic		2 (25)	0 (0)	2 (14)	0 (0)

BAIS3

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

STUDY NO. : 0210 ANIMAL : RAT F344 REPORT TYPE : A1

: FEMALE

SEX

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

0rgan	Findings	Group Name NO. of Animals	Control 12 (%)	50 ppm 13 (%)	224 ppm 5 (%)	1000 ppm 9 (%)
subcutis	j aundi ce		1 (8)	2 (15)	0 (0)	2 (22)
	mass		2 (17)	1 (8)	2 (40)	1 (11)
lung	red		0 (0)	1 (8)	0 (0)	0 (0)
	white zone		1 (8)	0 (0)	0 (0)	0 (0)
	yellaw zane		1 (8)	0 (0)	0 (0)	0 (0)
	nodule		0 (0)	1 (8)	0 (0)	0 (0)
lymph nade	enlarged		1 (8)	1 (8)	0 (0)	0 (0)
	red		0 (0)	0 (0)	0 (0)	1 (11)
spleen	enlarged		3 (25)	4 (31)	0 (0)	3 (33)
heart	white zone		0 (0)	0 (0)	0 (0)	1 (11)
	nadule		0 (0)	0 (0)	0 (0)	1 (11)
forestomach	ulcer		2 (17)	0 (0)	0 (0)	1 (11)
small intes	red zone		0 (0)	1 (8)	0 (0)	0 (0)
large intes	red zone		0 (0)	1 (8)	0 (0)	0 (0)
liver	pale		0 (0)	0 (0)	0 (0)	1 (11)
	red zone		0 (0)	1 (8)	0 (0)	0 (0)
	nadule		1 (8)	0 (0)	0 (0)	0 (0)
	rough		2 (17)	5 (38)	0 (0)	2 (22)
	adhesian		0 (0)	0 (0)	0 (0)	1 (11)
	herniation		2 (17)	1 (8)	0 (0)	0 (0)
pancreas	nadule		0 (0)	0 (0)	0 (0)	1 (11)
kidney	sranular		0 (0)	0 (0)	0 (0)	1 (11)

חוזכם

STUDY NO. : 0210 ANIMAL : RAT F344 REPORT TYPE : A1

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

SEX : FEMALE

gan	Findings	Group Name NO. of Animals	Control 12 (%)	50 ppm 13 (%)	224 ppm 5 (%)	1000 ppm 9 (%)
in bladd	red zone		0 (0)	0 (0)	1 (20)	0 (0)
	mass		0 (0)	0 (0)	1 (20)	0 (0)
	urine:marked retention		0 (0)	0 (0)	1 (20)	0 (0)
tuitary	enlarged		4 (33)	5 (38)	1 (20)	3 (33)
	red		0 (0)	1 (8)	0 (0)	0 (0)
	red zone		0 (0)	1 (8)	0 (0)	1 (11)
yroid	enlarged		0 (0)	1 (8)	0 (0)	0 (0)
renal	enlarged		0 (0)	1 (8)	0 (0)	0 (0)
ary	enlarged		1 (8)	0 (0)	0 (0)	0 (0)
	cyst		0 (0)	1 (8)	0 (0)	0 (0)
erus	nodule		0 (0)	4 (31)	1 (20)	1 (11)
ain	red zone		1 (8)	0 (0)	0 (0)	0 (0)
	hemorrhage		0 (0)	1 (8)	0 (0)	0 (0)
	fluid:transparent		0 (0)	0 (0)	0 (0)	1 (11)
inal cord	black zone		0 (0)	0 (0)	0 (0)	1 (11)
е	white		0 (0)	1 (8)	0 (0)	1 (11)
diastinum	abscess		0 (0)	1 (8)	0 (0)	0 (0)
itoneum	nodule		0 (0)	0 (0)	1 (20)	0 (0)
oracic ca	pleural fluid		1 (8)	2 (15)	0 (0)	2 (22)
ole body	anemic		0 (0)	0 (0)	0 (0)	1 (11)

GROSS FINDINGS: SUMMARY, RAT: MALE: SACRIFICED ANIMALS

GROSS FINDINGS (SUMMARY) SACRIFICED ANIMALS (105W)

STUDY NO. : 0210 ANIMAL : RAT F344 REPORT TYPE : A1

REPORT TYPE : A1
SEX : MALE

Organ	Findings	Group Name NO. of Animals	Control 42 (%)	50 ppm 41 (%)	224 ppm 36 (%)	1000 ppm 41 (%)
				And the state of t		the section of the se
skin/app	nodule		3 (7)	2 (5)	4 (11)	0 (0)
subcutis	nodule		1 (2)	0 (0)	0 (0)	0 (0)
	mass		6 (14)	7 (17)	7 (19)	5 (12)
lung	red zone		0 (0)	0 (0)	0 (0)	1 (2)
	nadule		2 (5)	0 (0)	3 (8)	3 (7)
thymus	cyst		1 (2)	0 (0)	0 (0)	0 (0)
spleen	enlarged		1 (2)	2 (5)	2 (6)	3 (7)
	white zone		0 (0)	1 (2)	0 (0)	0 (0)
	brown zone		0 (0)	0 (0)	1 (3)	0 (0)
	nodule		0 (0)	1 (2)	2 (6)	0 (0)
	deformed .		1 (2)	1 (2)	0 (0)	0 (0)
	adhesion		0 (0)	1 (2)	0 (0)	0 (0)
heart	white zone		0 (0)	0 (0)	1 (3)	0 (0)
tongue	nodule		1 (2)	0 (0)	0 (0)	0 (0)
forestomach	ulcer		1 (2)	0 (0)	0 (0)	0 (0)
small intes	nodule		0 (0)	0 (0)	1 (3)	0 (0)
liver	white zone		0 (0)	1 (2)	0 (0)	0 (0)
	nodule		1 (2)	1 (2)	2 (6)	1 (2)
	rough		0 (0)	2 (5)	2 (6)	3 (7)
	herniation		1 (2)	3 (7)	0 (0)	0 (0)
pancreas	nodule		0 (0)	1 (2)	0 (0)	0 (0)
kidney	pale		0 (0)	1 (2)	0 (0)	0 (0)

STUDY NO. : 0210 ANIMAL : RAT F344 GROSS FINDINGS (SUMMARY) SACRIFICED ANIMALS (105W)

REPORT TYPE : A1

SEX : MALE

Organ	Findings	Group Name NO. of Animals	Control 42 (%)	50 ppm 41 (%)	224 ppm 36 (%)	1000 ppm 41 (%)
kidney	granular		37 (88)	36 (88)	35 (97)	32 (78)
pituitary	enlarged		0 (0)	0 (0)	2 (6)	4 (10)
	red zone		1 (2)	4 (10)	2 (6)	5 (12)
	black zone		0 (0)	1 (2)	1 (3)	0 (0)
	nodute		3 (7)	3 (7)	2 (6)	2 (5)
thyroid	enlarged		3 (7)	4 (10)	3 (8)	5 (12)
	nodule		2 (5)	1 (2)	2 (6)	1 (2)
adrena l	enlarged		0 (0)	1 (2)	0 (0)	0 (0)
estis	atrophic		1 (2)	0 (0)	0 (0)	0 (0)
	nodute		42 (100)	41 (100)	34 (94)	38 (93)
spinal cord	red zone		0 (0)	1 (2)	0 (0)	0 (0)
вуе	turbid		0 (0)	1 (2)	0 (0)	0 (0)
	white		3 (7)	2 (5)	0 (0)	2 (5)
	red		0 (0)	0 (0)	0 (0)	1 (2)
	exaphthalmas		0 (0)	0 (0)	0 (0)	1 (2)
Zymbal gl	nadule		0 (0)	0 (0)	0 (0)	1 (2)
peritaneum	nodule		0 (0)	2 (5)	0 (0)	0 (0)
-etroperit	mass		1 (2)	0 (0)	0 (0)	0 (0)
abdominal c	ascites		0 (0)	1 (2)	0 (0)	0 (0)
thoracic ca	pleural fluid		1 (2)	1 (2)	1 (3)	1 (2)
ather	nodule		0 (0)	0 (0)	1 (3)	0 (0)

1 (2)

0 (0)

0 (0)

tail:nodule

0 (0)

STUDY NO. : 0210
ANIMAL : RAT F344
REPORT TYPE : A1
SEX : MALE

GROSS FINDINGS (SUMMARY) SACRIFICED ANIMALS (105W)

Organ	Findings	Group Name NO. of Animals	Control 42 (%)	50 ppm 41 (%)	224 ppm 36 (%)	1000 ppm 41 (%)
other	ear:nodule		1 (2)	0 (0)	1 (3)	0 (0)
nale body	anemic		1 (2)	0 (0)	0 (0)	0 (0)

GROSS FINDINGS: SUMMARY, RAT: FEMALE: SACRIFICED ANIMALS

STUDY NO. : 0210 ANIMAL : RAT F344

(11000000)

REPORT TYPE : A1

GROSS FINDINGS (SUMMARY) SACRIFICED ANIMALS (105W)

: FEMALE SEX

0rgan	Findings	Croup Name NO. of Animals	Control 37 (%)	50 ppm 37 (%)	224 ppm 45 (%)	1000 ppm 41 (%)
skin/app	nodule		0 (0)	0 (0)	2 (4)	0 (0)
	scab		1 (3)	0 (0)	0 (0)	0 (0)
subcutis	mass		8 (22)	10 (27)	11 (24)	8 (20)
lung	white zone		1 (3)	0 (0)	0 (0)	0 (0)
	red zone		0 (0)	0 (0)	1 (2)	0 (0)
	brown zone		1 (3)	0 (0)	0 (0)	0 (0)
	nodule		3 (8)	1 (3)	0 (0)	0 (0)
thymus	nodule		1 (3)	0 (0)	1 (2)	1 (2)
spleen	enlarged		0 (0)	3 (8)	5 (11)	1 (2)
	nodule		0 (0)	0 (0)	1 (2)	0 (0)
salivary gl	nadule		0 (0)	0 (0)	1 (2)	0 (0)
forestomach	nodule		0 (0)	1 (3)	0 (0)	0 (0)
	ulcer		0 (0)	0 (0)	1 (2)	0 (0)
small intes	nodule		0 (0)	0 (0)	0 (0)	1 (2)
liver	nadule		3 (8)	1 (3)	0 (0)	0 (0)
	rough		1 (3)	1 (3)	5 (11)	1 (2)
	nodular		0 (0)	2 (5)	1 (2)	0 (0)
	herniation		1 (3)	2 (5)	2 (4)	1 (2)
pancreas	nadule		0 (0)	0 (0)	1 (2)	0 (0)
kidney	granular		16 (43)	11 (30)	14 (31)	9 (22)
pituitary	enlarged		8 (22)	3 (8)	8 (18)	5 (12)
	red zane		7 (19)	14 (38)	7 (16)	8 (20)

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STUDY NO. : 0210 ANIMAL : RAT F344 GROSS FINDINGS (SUMMARY) SACRIFICED ANIMALS (105W)

REPORT TYPE : A1
SEX : FEMALE

)rgan	Findings	Group Name NO. of Animals	Control 37 (%)	50 ppm 37 (%)	224 ppm 45 (%)	1000 ppm 41 (%)
pituitary	black zone		1 (3)	5 (14)	2 (4)	2 (5)
	nodule		5 (14)	1 (3)	4 (9)	1 (2)
	cyst		0 (0)	0 (0)	0 (0)	1 (2)
nyroid	enlarged		1 (3)	1 (3)	1 (2)	1 (2)
	nodule		2 (5)	1 (3)	3 (7)	0 (0)
drena l	enlarged		1 (3)	0 (0)	0 (0)	0 (0)
	red		0 (0)	0 (0)	0 (0)	1 (2)
ary	enlarged		0 (0)	0 (0)	0 (0)	1 (2)
	cyst		0 (0)	1 (3)	4 (9)	1 (2)
erus	nadule		4 (11)	3 (8)	2 (4)	5 (12)
	dilated		0 (0)	0 (0)	0 (0)	1 (2)
eriph nerv	nadule		1 (3)	0 (0)	0 (0)	0 (0)
/ e	turbid		1 (3)	0 (0)	1 (2)	0 (0)
	white		2 (5)	4 (11)	2 (4)	2 (5)
vmbal gl	nadule	•	0 (0)	0 (0)	1 (2)	0 (0)
xdominal c	ascites		0 (0)	0 (0)	1 (2)	0 (0)
her	tail:nodule		0 (0)	1 (3)	1 (2)	0 (0)
nale body	anemic		0 (0)	1 (3)	0 (0)	1 (2)

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

GROSS FINDINGS (SUMMARY) DEAD AND MORIBUND ANIMALS (0-105W) ANIMAL : MOUSE BDF1

REPORT TYPE : A1 SEX : MALE

/!!DT^^^\

Organ	Findings	Group Name NO. of Animals	Control 12 (%)	50 ppm 8 (%)	200 ppm 9 (%)	800 ppm 48 (%)
			***************************************	·		
skin/app	nodule		0 (0)	1 (13)	0 (0)	0 (0)
subcutis	edema		1 (8)	2 (25)	0 (0)	0 (0)
	mass		1 (8)	0 (0)	1 (11)	0 (0)
lung	nodule		3 (25)	0 (0)	1 (11)	1 (2)
lymph nade	enlarged		1 (8)	3 (38)	1 (11)	2 (4)
spleen	enlarged		0 (0)	3 (38)	1 (11)	1 (2)
	black zone		1 (8)	0 (0)	1 (11)	1 (2)
	nadule		1 (8)	0 (0)	0 (0)	0 (0)
heart	nodule		0 (0)	0 (0)	1 (11)	0 (0)
stomach	hemorrhage		1 (8)	0 (0)	0 (0)	0 (0)
duodenum	red zone		0 (0)	0 (0)	1 (11)	0 (0)
small intes	hemorrhage		1 (8)	0 (0)	0 (0)	0 (0)
large intes	dilated		0 (0)	1 (13)	0 (0)	0 (0)
liver	enlarged		0 (0)	1 (13)	1 (11)	0 (0)
	pale		0 (0)	1 (13)	0 (0)	0 (0)
	white zone		0 (0)	3 (38)	1 (11)	0 (0)
	red zone		0 (0)	1 (13)	0 (0)	0 (0)
	nodule		4 (33)	2 (25)	3 (33)	3 (6)
pancreas	white zone		0 (0)	0 (0)	0 (0)	1 (2)
	adhesion		0 (0)	0 (0)	1 (11)	0 (0)
kidney	nadule		0 (0)	0 (0)	0 (0)	2 (4)
	hydronephrosis		0 (0)	1 (13)	0 (0)	0 (0)

STUDY NO. : 0211 ANIMAL : MOUSE BDF1

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

REPORT TYPE : A1

: MALE SEX

PAGE: 2

)rgan	Findings	Group Name NO. of Animals	Control 12 (%)	50 ppm 8 (%)	200 ppm 9 (%)	800 ppm 48 (%)
ırin bladd	urine:marked retention		2 (17)	0 (0)	1 (11)	0 (0)
testis	atrophic		0 (0)	0 (0)	0 (0)	1 (2)
epididymis	nodule		1 (8)	0 (0)	0 (0)	0 (0)
orain	red zone		0 (0)	0 (0)	1 (11)	0 (0)
	nodule		1 (8)	0 (0)	0 (0)	0 (0)
	adhesion		1 (8)	0 (0)	0 (0)	0 (0)
arder gl	enlarged		0 (0)	0 (0)	0 (0)	1 (2)
uscle	nadule		1 (8)	0 (0)	1 (11)	0 (0)
leura	nadule		0 (0)	0 (0)	1 (11)	0 (0)
ediastinum	mass		1 (8)	0 (0)	1 (11)	0 (0)
etroperit	mass		0 (0)	0 (0)	1 (11)	0 (0)
bdominal c	hemorrhage		0 (0)	1 (13)	1 (11)	0 (0)
	ascites		0 (0)	1 (13)	1 (11)	0 (0)
esenterium	nodule		0 (0)	0 (0)	1 (11)	0 (0)
noracic ca	hemorrhage		0 (0)	0 (0)	1 (11)	0 (0)
	pleural fluid		1 (8)	3 (38)	1 (11)	0 (0)
nale bady	anemic		0 (0)	0 (0)	1 (11)	0 (0)

(IIPT080)

BAIS3

GROSS FINDINGS : SUMMARY, MOSUE : FEMALE : DEAD AND MORIBUND ANIMALS (TOW-YERA STUDY)

ANIMAL : MOUSE BDF1

REPORT TYPE : A1 SEX : FEMALE

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

Organ	Findings	Group Name NO. of Animals	Control 15 (%)	50 ppm 15 (%)	200 ppm 15 (%)	800 ppm 49 (%)
subcutis	edema		1 (7)	2 (13)	3 (20)	1 (2)
	mass		2 (13)	1 (7)	1 (7)	1 (2)
lung	red		1 (7)	1 (7)	1 (7)	1 (2)
	white zone		0 (0)	0 (0)	0 (0)	1 (2)
	nadule		0 (0)	3 (20)	1 (7)	2 (4)
lymph node	enlarged		5 (33)	4 (27)	5 (33)	2 (4)
spleen	enlarged		5 (33)	3 (20)	4 (27)	2 (4)
	nadule		1 (7)	1 (7)	0 (0)	0 (0)
neart	red zone		1 (7)	0 (0)	0 (0)	0 (0)
salivary gl	enlarged		0 (0)	1 (7)	0 (0)	0 (0)
forestomach	nodule		1 (7)	1 (7)	0 (0)	0 (0)
small intes	nodule		1 (7)	0 (0)	0 (0)	0 (0)
large intes	dilated		0 (0)	1 (7)	0 (0)	0 (0)
liver	reticular		0 (0)	1 (7)	0 (0)	0 (0)
	enlarged		2 (13)	0 (0)	4 (27)	0 (0)
	white zone		3 (20)	0 (0)	4 (27)	3 (6)
	red zone		0 (0)	1 (7)	0 (0)	2 (4)
	nodule		1 (7)	2 (13)	1 (7)	0 (0)
	cyst		1 (7)	0 (0)	1 (7)	0 (0)
	rough		1 (7)	0 (0)	0 (0)	0 (0)
	nodular		0 (0)	0 (0)	1 (7)	0 (0)
kidney	enlarged		2 (13)	1 (7)	0 (0)	0 (0)

ANIMAL : MOUSE BDF1

REPORT TYPE : A1 SEX : FEMALE

GROSS FINDINGS (SUMMARY)

DEAD AND MORIBUND ANIMALS (0-105W)

gan	Findings	Group Name NO. of Animals	Contral 15 (%)	50 ppm 15 (%)	200 ppm 15 (%)	800 ppm 49 (%)
dney	white zone		1 (7)	0 (0)	0 (0)	0 (0)
	hydronephrasis		1 (7)	3 (20)	0 (0)	1 (2)
tuitary	red		0 (0)	1 (7)	0 (0)	1 (2)
	red zone		0 (0)	0 (0)	1 (7)	0 (0)
	nadule		0 (0)	1 (7)	1 (7)	0 (0)
renal	enlarged		0 (0)	0 (0)	1 (7)	0 (0)
ary	enlarged		1 (7)	4 (27)	0 (0)	1 (2)
	nodule		1 (7)	0 (0)	1 (7)	1 (2)
	cyst .		1 (7)	2 (13)	0 (0)	4 (8)
rus	nodute		3 (20)	3 (20)	6 (40)	4 (8)
	dilated lumen		0 (0)	0 (0)	0 (0)	1 (2)
ain	red zone		0 (0)	0 (0)	1 (7)	0 (0)
diastinum	mass		2 (13)	1 (7)	1 (7)	0 (0)
-itaneum	yellow		0 (0)	0 (0)	0 (0)	1 (2)
	nadule		1 (7)	1 (7)	0 (0)	0 (0)
	mass		0 (0)	1 (7)	0 (0)	0 (0)
dominal c	hemorrhage		0 (0)	2 (13)	1 (7)	0 (0)
	ascites		6 (40)	4 (27)	6 (40)	2 (4)
oracic ca	hemorrhage		1 (7)	0 (0)	0 (0)	0 (0)
	pleural fluid		10 (67)	7 (47)	8 (53)	3 (6)
ner	absence		1 (7)	0 (0)	0 (0)	0 (0)
ole body	anemic		0 (0)	1 (7)	0 (0)	1 (2)

GROSS FINDINGS : SUMMARY, MOSUE : MALE : SACRIFICED ANIMALS

STUDY NO. : 0211 ANIMAL : MOUSE BDF1 GROSS FINDINGS (SUMMARY) SACRIFICED ANIMALS (105W)

REPORT TYPE : A1

SEX : MALE PAGE: 1

gan	Findings	Group Name NO. of Animals	Control 38 (%)	50 ppm 42 (%)	200 ppm 41 (%)	800 ppm 0 (%)
cin/app	nodule		1 (3)	0 (0)	0 (0)	- (-)
	erosion		1 (3)	1 (2)	0 (0)	- (-)
	scab		2 (5)	0 (0)	1 (2)	- (-)
ubcutis	mass		1 (3)	0 (0)	0 (0)	- (-)
ing	nadute		10 (26)	10 (24)	8 (20)	- (-)
vmph nade	enlarged		3 (8)	3 (7)	3 (7)	- (-)
oleen	enlarged		2 (5)	1 (2)	1 (2)	- (-)
	black zone		2 (5)	0 (0)	1 (2)	- (-)
	nadule		0 (0)	2 (5)	2 (5)	- (-)
	accentuation of white pulp		3 (8)	1 (2)	3 (7)	- (-)
mph vess	enlarged		0 (0)	1 (2)	0 (0)	- (-)
all intes	nodule		0 (0)	0 (0)	1 (2)	- (-)
ver	enlarged		0 (0)	1 (2)	0 (0)	- (-)
	white zone		1 (3)	0 (0)	0 (0)	- (-)
	red zone		0 (0)	1 (2)	0 (0)	- (-)
	nodule		12 (32)	18 (43)	11 (27)	- (-)
dney	white zone		1 (3)	2 (5)	0 (0)	- (-)
	nadule		0 (0)	0 (0)	1 (2)	- (-)
	cyst		0 (0)	0 (0)	1 (2)	- (-)
	hydronephrosis		0 (0)	2 (5)	0 (0)	- (-)
in bladd	nodule		1 (3)	0 (0)	0 (0)	- (-)
	urine:marked retention		1 (3)	0 (0)	0 (0)	- (-)

STUDY NO. : 0211 ANIMAL : MOUSE BDF1 GROSS FINDINGS (SUMMARY) SACRIFICED ANIMALS (105W)

ANIMAL : MOUS
REPORT TYPE : A1

REPORT TYPE : A1
SEX : MALE

Organ	Findings	Group Name NO. of Animals	Control 38 (%)	50 ppm 42 (%)	200 ppm 41 (%)	800 ppm 0 (%)
pituitary	enlarged		1 (3)	0 (0)	0 (0)	- (-)
testis	atrophic		1 (3)	1 (2)	0 (0)	- (-)
epididymis	nodule		1 (3)	1 (2)	0 (0).	- (-)
өуө	turbid		0 (0)	0 (0)	1 (2)	- (-)
Harder gl	nodule		0 (0)	0 (0)	1 (2)	- (-)
peritoneum	adhesion		1 (3)	0 (0)	0 (0)	- (-)
abdominal c	ascites		0 (0)	1 (2)	0 (0)	- (-)
mesenterium	nodule		1 (3)	5 (12)	0 (0)	- (-)

1 (3)

0 (0)

0 (0)

0 (0)

0 (0)

0 (0)

1 (2)

0 (0)

1 (2)

0 (0)

0 (0)

0 (0)

1 (2)

0 (0)

1 (2)

(IIPT080)

adipose

other

thoracic ca

nodule

nodule

mass

pleural fluid

tail:nodule

- (-)

- (-)

- (-)

- (-)

- (-)

GROSS FINDINGS: SUMMARY, MOSUE: FEMALE: SACRIFICED ANIMALS

: MOUSE BDF1

ANIMAL REPORT TYPE : A1 SEX : FEMALE GROSS FINDINGS (SUMMARY) SACRIFICED ANIMALS (105W)

200 ppm Group Name Control 50 ppm mqq 008 0rgan Findings NO. of Animals 35 (%) 35 (%) 34 (%) 0 (%) - (-) 1 (3) 2 (6) 0 (0) subcutis mass lung nodule 4 (11) 2 (6) 8 (24) - (-) - (-) lymph nade enlarged 7 (20) 4 (11) 1 (3) - (-) spleen enlarged 8 (23) 2 (6) 4 (12) white zone 0 (0) 1 (3) 0 (0) - (-) 1 (3) 0 (0) 0 (0) - (-) nadule - (-) accentuation of white pulp 2 (6) 0 (0) 0 (0) - (-) forestomach nodule 0 (0) 0 (0) 1 (3) small intes nodule 1 (3) 0 (0) 0 (0) - (-) liver - (-) pale 1 (3) 0 (0) 0 (0) white zone 1 (3) 1 (3) 0 (0) - (-) red zone 5 (14) 3 (9) 4 (12) - (-) nodule 9 (26) 4 (11) 3 (9) - (-) 0 (0) 1 (3) 0 (0) - (-) cyst 1 (3) 0 (0) - (-) rough 1 (3) kidney nadule 1 (3) 0 (0) 0 (0) - (-) pituitary enlarged 2 (6) 3 (9) 3 (9) - (-) 1 (3) - (-) red zone 2 (6) 1 (3) black zone - (-) 1 (3) 0 (0) 0 (0) nodule 5 (14) 6 (17) 6 (18) - (-) 1 (3) - (-) quary enlarged 1 (3) 2 (6) red 0 (0) 1 (3) 0 (0) - (-)

BAICS

ANIMAL : MOUSE BDF1

REPORT TYPE : A1
SEX : FEMALE

GROSS FINDINGS (SUMMARY) SACRIFICED ANIMALS (105W)

PAGE: 4

Organ	Findings	Group Name Control NO. of Animals 35 (%)	50 ppm 35 (%)	200 ppm 34 (%)	800 ppm 0 (%)
ovary	nadule	0 (0)	0 (0)	2 (6)	- (-)
	cyst	6 (17)	10 (29)	9 (26)	- (-)
uterus	nodule	7 (20)	7 (20)	4 (12)	- (-)
yagina	nadule	1 (3)	0 (0)	0 (0)	- (-)
уө	turbid	0 (0)	1 (3)	0 (0)	- (-)
	white	0 (0)	1 (3)	0 (0)	- (-)
arder gl	nadule	0 (0)	3 (9)	0 (0)	- (-)
ediastinum	nodule	1 (3)	0 (0)	0 (0)	- (-)
bdominal c	ascites	5 (14)	1 (3)	1 (3)	- (-)
esenterium	nadule .	2 (6)	0 (0)	0 (0)	- (-)
horacic ca	pleural fluid	1 (3)	0 (0)	1 (3)	- (-)

(HPT080)

BAIS3

APPENDIX H 1

ORGAN WEIGHT, ABSOLUTE: SUMMARY, RAT: MALE

STUDY NO. : 0210 ANIMAL : RAT F344 REPORT TYPE : A1 ORGAN WEIGHT: ABSOLUTE (SUMMARY) SURVIVAL ANIMALS (105)

SEX : MALE UNIT: g

PAGE: 1

Group Name	NO. of Animals	Body	Weight	ADRE	NALS	TEST	ES	HEAR	Γ	LUNG	S	KIDNI	EYS
Control	42	412±	41	0.082±	0.011	5.252±	1.946	1.352±	0.137	1.529±	0.258	2.969±	0.370
50 ppm	41	402±	37	0.086±	0.030	5.695±	2,252	1.362±	0.216	1.571±	0.348	3.041±	0.432
224 ppm	36	416±	35	0.085±	0.025	4.659±	1.464	1.355±	0.200	1.609±	0.520	3.016±	0.283
1000 ppm	41	347±	37**	0.068±	0.012**	4.473±	1.711	1.222±	0.125**	1.520±	0.256	2.692±	0.325**

(HCL040)

BAIS 3

STUDY NO. : 0210 ANIMAL : RAT F344 REPORT TYPE : A1 ORGAN WEIGHT: ABSOLUTE (SUMMARY) SURVIVAL ANIMALS (105)

SEX : MALE UNIT: g

Control 42 1.240± 0.469 12.656± 1.923 2.058± 0.046

PAGE: 2

,	SUITE GE	42	1.240⊥	0.409	12,000	1,040	Z.VUO	0.040
{	mag 05	41	1.813±	2,199	13.320±	2.339	2.066±	0.044
22	24 ppm	36	1.477±	1.405	13.506±	2.864	2.056±	0.040
100	mqq 00	41	1.293±	1.222*	11.055±	2.298**	1.956±	0.052**
				÷				i

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

(HCL040) BAIS 3

APPENDIX H 2

ORGAN WEIGHT, ABSOLUTE: SUMMARY, RAT: FEMALE

STUDY NO. : 0210 ANIMAL : RAT F344

REPORT TYPE : A1 SEX : FEMALE UNIT: g

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

PAGE: 3

	NO. of Animals	Body (√eight	ADREI	VALS	OVAR	IES	HEAR'	r	LUNG:	5	KIDN	EYS
Control	37	284±	40	0.088±	0.039	0.127±	0.025	1.001±	0.107	1.063±	0.076	1.969±	0.200
50 ppm	37	292±	34	0.082±	0.022	0.128±	0.029	1.002±	0.123	1.078±	0.122	1.962±	0.197
224 ppm	45	280±	32	0.078±	0.017	0.138±	0.034	0.969±	0.116	1.133±	0.355	1.895±	0.198
Mqq 000	41	249±	26**	0.079±	0.015	0.161±	0.175	0.995±	0.126	1.052±	0.118	1.798±	0.115**

STUDY NO. : 0210 ANIMAL : RAT F344

REPORT TYPE : A1 SEX : FEMALE UNIT: g

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

PAGE: 4

Group Name	NO. of Animals	SPLEEN	LIVER	BRAIN	
Control	37	0.614± 0.292	7.545± 1.047	1.847± 0.056	
50 ppm	37	0.999± 1.706	7.593± 1.231	1.851± 0.052	
224 ppm	45	1.702± 3.744	7.484± 1.400	1.826± 0.055	
1000 ppm	41	0.719± 0.953	6.804± 0.718**	1.767± 0.050**	
Significar	nt difference;	*: P ≤ 0.05 **	: P ≤ 0.01	Test of Dunnett	
(HCL040)					BAISS

APPENDIX H 3

ORGAN WEIGHT, ABSOLUTE: SUMMARY, MOSUE: MALE

ANIMAL : MOUSE BDF1

REPORT TYPE : A1
SEX : MALE

UNIT: g

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

PAGE: 1

Group Name	NO. of Animals	Body Weight	ADRENALS	TESTES	HEART	LUNGS	KIDNEYS
Control	38	43.4± 7.9	0.011± 0.004	0.206± 0.050	0.210± 0.018	0.221± 0.102	0.645± 0.046
50 ppm	42	43.8± 7.3	0.012± 0.004	0.193± 0.040	0.205± 0.023	0.207± 0.044	0.709± 0.417
200 ppm	41	41.5± 7.2	0.011± 0.005	0.190± 0.036	0.208± 0.040	0.209± 0.056	0.653± 0.216
800 ppm	0	_	_	_	-	-	_

(HCL040)

ANIMAL : MOUSE BDF1

REPORT TYPE : A1
SEX : MALE
UNIT: g

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

PAGE: 2

Group Name	NO. of Animals	SPLI	EEN	LIVE	ER	BRA	N
Control	38	0.120±	0.129	1.702±	0.486	0.461±	0.018
50 ppm	42	0.096±	0.082	1.836±	0.844	0.461±	0.018
200 ppm	41	0.157±	0.327	1.686±	0.492	0.456±	0.015
800 ppm	0	-		-		-	
Significan	t difference;	*: P ≤ 0.0	05 **	x : P ≤ 0.01	M. P. I		Test of

(HCL040)

APPENDIX H 4

ORGAN WEIGHT, ABSOLUTE: SUMMARY, MOSUE: FEMALE

ANIMAL : MOUSE BDF1

REPORT TYPE : A1
SEX : FEMALE
UNIT: g

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

PAGE: 3

Group Name	NO. of Animals	Body Weight	ADRENALS	OVARIES	HEART	LUNGS	KIDNEYS
Contral	35	30.5± 4.4	0.014± 0.003	0.095± 0.365	0.171± 0.023	0.196± 0.030	0.474± 0.130
50 ppm	35	30.1± 4.0	0.013± 0.003	0.084± 0.252	0.170± 0.018	0.200± 0.034	0.453± 0.038
Mqq 00%	34	27.9± 3.1*	0.013± 0.003	0.329± 0.916	0.163± 0.022	0.237± 0.159	0.446± 0.041
300 ppm	0	_	_	_		_	_

(HCL040)

STUDY NO. : 0211 ANIMAL : MOUSE BDF1

REPORT TYPE : A1
SEX : FEMALE
UNIT: g

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

PAGE: 4

Group Name	NO. of Animals	SPLEEN	LIVER	BRAIN	
Control	35	0.280± 0.343	1.709± 0.581	0.483± 0.017	
50 ppm	35	0.177± 0.227	1.519± 0.342	0.491± 0.039	
mqq 005	34	0.203± 0.435**	1.481± 0.403	0.480± 0.020	
800 ppm	0	_	-	-	

(HCL040)

APPENDIX I 1

ORGAN WEIGHT, RELATIVE: SUMMARY, RAT: MALE

STUDY NO. : 0210 ANIMAL : RAT F344

REPORT TYPE : A1

SEX : MALE UNIT: %

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

PAGE: 1

Group Name	NO. of Animals	Body Weight (g)	ADRENALS	TESTES	HEART	LUNGS	KIDNEYS
Control	42	412± 41	0.020± 0.004	1.277± 0.486	0.333± 0.061	0.378± 0.092	0.728± 0.112
50 ppm	41	402± 37	0.022± 0.008	1.423± 0.619	0.343± 0.076	0.398± 0.126	0.768± 0.170
224 ppm	36	416± 35	0.021± 0.006	1.123± 0.356	0.328± 0.054	0.387± 0.119	0.732± 0.105
1000 ppm	41	347± 37**	0.020± 0.005	1.275± 0.469	0.355± 0.039**	0.443± 0.094*	0.784± 0.120*

(HCL042)

STUDY NO. : 0210 ANIMAL : RAT F344 REPORT TYPE : A1

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

SEX : MALE UNIT: %

Group Name NO. of SPLEEN LIVER BRAIN Animals Control 0.303 ± 0.125 3.087 ± 0.472 0.506 ± 0.064 50 ppm 41 0.465 ± 0.587 3.356 ± 0.777 0.518 ± 0.053 224 ppm 36 0.355 ± 0.332 3.267 ± 0.733 0.498 ± 0.041 1000 ppm 41 0.380 ± 0.382 3.198± 0.635 0.572± 0.075** Significant difference; $*: P \leq 0.05$ ** : $P \leq 0.01$ Test of Dunnett (IICL042)

BAIS 3

PAGE: 2

APPENDIX I 2

ORGAN WEIGHT, RELATIVE: SUMMARY, RAT: FEMALE

STUDY NO. : 0210 ANIMAL : RAT F344 REPORT TYPE : A1

SEX : FEMALE UNIT: %

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

PAGE: 3

Group Name	NO. of Animals	Body Weigh (g)	rt ADRENALS	OVARIES	HEART	LUNGS	KIDNEYS
Control	37	284± 40	0.032± 0.013	0.045± 0.010	0.360± 0.075	0.383± 0.075	0.715± 0.207
50 ppm	37	292± 34	0.028± 0.008	0.044± 0.010	0.348± 0.060	0.375± 0.062	0.682± 0.115
224 ppm	45	280± 32	0.028± 0.006	0.050± 0.012	0.351± 0.058	0.414± 0.167	0.686± 0.101
1000 ppm	41	249± 26×	* 0.032± 0.007	0.065± 0.069**	0.403± 0.067*	0.427± 0.071**	0.727± 0.073*

(IICL042)

STUDY NO. : 0210 ANIMAL : RAT F344 REPORT TYPE : A1

REPORT TYPE:
SEX: FEMALE
UNIT: %

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

PAGE: 4

Group Name	NO. of Animals	SPLEEN	LIVER	BRAIN	
Control	37	0.221± 0.115	2.701± 0.515	0.665± 0.119	
50 ppm	37	0.355± 0.609	2.638± 0.570	0.643± 0.077	
224 ppm	45	0.662± 1.587	2.709± 0.592	0.663± 0.086	
1000 ppm	41	0.303± 0.443	2.748± 0.365	0.716± 0.078**	

(HCL042)

APPENDIX I 3

ORGAN WEIGHT, RELATIVE: SUMMARY, MOSUE: MALE

STUDY NO. : 0211 ANIMAL : MOUSE BDF1

REPORT TYPE : A1

SEX : MALE UNIT: %

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

PAGE: 1

Group Name	NO. of Animals	Body Weisht (g)	ADRENALS	TESTES	HEART	LUNGS	KIDNEYS
Control	38	43.4± 7.9	0.026± 0.011	0.484± 0.109	0.498± 0.095	0.530± 0.285	1.534± 0.314
50 ppm	42	43.8± 7.3	0.028± 0.010	0.443± 0.104	0.480± 0.095	0.484± 0.124	1.669± 1.046
200 ppm	41	41.5± 7.2	0.028± 0.012	0.469± 0.107	0.510± 0.095	0.516± 0.168	1.640± 0.857
800 ppm	0	-	_	_		_	_

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ANIMAL : MOUSE BDF1
REPORT TYPE : A1

SEX : MALE UNIT: %

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

PAGE: 2

Group Name	NO. of Animals	SPLEEN	LIVER	BRAIN	
Control	38	0.301± 0.385	4.136± 1.989	1.100± 0.233	
50 ppm	42	0.223± 0.187	4.391± 2.739	1.083± 0.202	
mqq 00.	41	0.385± 0.819	4.147± 1.366	1.130± 0.190	
300 ppm	0	-	-	-	

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APPENDIX I 4

ORGAN WEIGHT, RELATIVE : SUMMARY, MOSUE : FEMALE

ANIMAL : MOUSE BDF1

REPORT TYPE: A1
SEX: FEMALE
UNIT: %

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

PAGE: 3

Group Name	NO. of Animals	Body Weisht (g)	ADRENALS	OVARIES	HEART	LUNGS	KIDNEYS
Control	35	30.5± 4.4	0.046± 0.010	0.334± 1.300	0.569± 0.101	0.655± 0.153	1.577± 0.494
50 ppm	35	30.1± 4.0	0.043± 0.009	0.286± 0.872	0.572± 0.090	0.685± 0.221	1.529± 0.225
Mqq 00	34	27.9± 3.1*	0.048± 0.011	1.118± 2.974	0.586± 0.088	0.865± 0.614*	1.609± 0.182*
300 ppm	0	<u>-</u>	-	_	_	_	_

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STUDY NO. : 0211 ANIMAL : MOUSE BDF1

REPORT TYPE : A1 SEX : FEMALE UNIT: %

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

PAGE: 4

Group Name	NO. of Animals	SPLEEN	LIVER	BRAIN	
Control	35	0.934± 1.164	5.709± 2.331	1.609± 0.211	
50 ppm	35	0.592± 0.788	5.048± 0.846	1.668± 0.350	
200 ppm	34	0.718± 1.512*	5.310± 1.337	1.736± 0.193*	
Mqq 008	0	-	-	-	
Significar	nt difference;	*: P ≤ 0.05 **:	P ≤ 0.01	Test of Dunnett	
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