

メチルブロミドのラット及びマウスを用いた
吸入によるがん原性試験結果報告書

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付録表 C - 1

血液学的検査・総括表
(ラット・13週間試験・雄)

STUDY NO. : 0049
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

HEMATOLOGY(1) (SUMMARY)
 SURVIVAL ANIMALS (13)

PAGE : 1

Group Name	NO. of Animal	RED BLOOD CELL 10 ⁶ /μl	HEMOGLOBIN g/dl	HEMATOCRIT %	MCV fl	PLATELET 10 ³ /μl
0 ppm	10	9.68± 0.32	16.6± 0.6	43.8± 1.6	45.2± 0.6	732± 33
7.5 ppm	10	9.78± 0.38	16.7± 0.5	44.4± 1.7	45.4± 0.4	727± 63
18.8 ppm	10	9.84± 0.17	16.7± 0.4	44.6± 0.8	45.3± 0.5	756± 37
46.9 ppm	10	9.90± 0.27	16.9± 0.5	45.2± 1.3	45.6± 0.5	708± 53
117.0 ppm	10	9.86± 0.27	17.0± 0.3	45.3± 1.2*	45.9± 0.4*	778± 54*
293.0 ppm	0	-	-	-	-	-

Significant difference : * : P ≤ 0.05 ** : P ≤ 0.01

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付録表 C - 2

血液学的検査・総括表
(ラット・13週間試験・雌)

STUDY NO. : 0049
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

HENATOLOGY(1) (SUMMARY)
 SURVIVAL ANIMALS (13)

PAGE : 2

Group Name	NO. of Animal	RED BLOOD CELL 10 ⁶ /μl	HEMOGLOBIN g/dl	HEMATOCRIT %	MCV fl	PLATELET 10 ³ /μl
0 ppm	10	8.87± 0.24	16.7± 0.5	43.4± 1.4	48.9± 0.5	802± 46
7.5 ppm	9	8.97± 0.26	16.7± 0.5	44.0± 1.2	49.0± 0.4	797± 47
18.8 ppm	10	8.98± 0.21	16.9± 0.3	44.2± 1.0	49.2± 0.4	810± 67
46.9 ppm	10	8.94± 0.29	16.8± 0.4	44.0± 1.3	49.2± 0.3	809± 49
117.0 ppm	10	8.81± 0.44	16.7± 0.6	43.9± 2.1	49.8± 0.4**	823± 37
293.0 ppm	0	-	-	-	-	-

Significant difference : * : P ≤ 0.05 ** : P ≤ 0.01

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付録表 C - 3

血液生化学的検査・総括表
(ラット・13週間試験・雄)

STUDY NO. : 0049
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

BIOCHEMISTRY (SUMMARY)
 SURVIVAL ANIMALS (13)

PAGE : 1

Group Name	NO. of Animal	TOTAL PROTEIN g/dl		ALBUMIN g/dl		A/G RATIO		T-BILIRUBIN mg/dl		GLUCOSE mg/dl		T-CHOLESTEROL mg/dl		TRIGLYCERIDE mg/dl	
0 ppm	10	6.7±	0.2	3.8±	0.1	1.3±	0.1	0.21±	0.02	194±	25	60±	4	138±	30
7.5 ppm	10	6.7±	0.2	3.8±	0.1	1.3±	0.1	0.19±	0.02	198±	35	58±	5	132±	25
18.8 ppm	10	6.7±	0.2	3.8±	0.1	1.3±	0.1	0.21±	0.02	207±	23	59±	5	139±	20
46.9 ppm	10	6.6±	0.1	3.8±	0.1	1.3±	0.1	0.19±	0.02	208±	22	58±	5	146±	38
117.0 ppm	10	6.6±	0.1	3.8±	0.1	1.3±	0.1	0.20±	0.03	194±	19	57±	5	114±	30
293.0 ppm	0	-		-		-		-		-		-		-	

Significant difference ; * : P ≤ 0.05 ** : P ≤ 0.01

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STUDY NO. : 0049
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

BIOCHEMISTRY (SUMMARY)
 SURVIVAL ANIMALS (13)

Group Name	NO. of Animal	GOT IU/ℓ		GPT IU/ℓ		LDH IU/ℓ		ALP IU/ℓ		LAP IU/ℓ		CPK IU/ℓ		UREA NITROGEN mg/dℓ	
0 ppm	10	76±	7	25±	4	326±	47	235±	21	52±	2	144±	23	19.2±	1.8
7.5 ppm	10	79±	12	29±	10	368±	155	251±	21	52±	3	147±	23	18.8±	1.2
18.8 ppm	10	77±	6	27±	2	331±	46	246±	19	53±	2	142±	20	18.2±	1.4
46.9 ppm	10	74±	9	28±	4	324±	70	248±	20	52±	2	138±	18	18.6±	1.1
117.0 ppm	10	78±	12	26±	5	322±	63	250±	22	54±	3	132±	18	19.6±	2.3
293.0 ppm	0	-		-		-		-		-		-		-	

Significant difference ; * : P ≤ 0.05 ** : P ≤ 0.01

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STUDY NO. : 0049
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

BIOCHEMISTRY (SUMMARY)
 SURVIVAL ANIMALS (13)

Group Name	NO. of Animal	CREATININE		SODIUM		POTASSIUM		CHLORIDE		CALCIUM		INORGANIC PHOSPHORUS	
		mg/dl		mEq/l		mEq/l		mEq/l		mg/dl		mg/dl	
0 ppm	10	0.5±	0.1	142±	1	3.2±	0.2	102±	2	10.6±	0.2	5.6±	0.5
7.5 ppm	10	0.5±	0.1	142±	2	3.2±	0.8	101±	2	10.8±	0.4	5.7±	1.0
18.8 ppm	10	0.5±	0.0	142±	1	2.9±	0.2*	102±	1	10.6±	0.4	5.4±	0.4
46.9 ppm	10	0.5±	0.1	142±	1	2.9±	0.2*	102±	1	10.6±	0.2	5.3±	0.5
117.0 ppm	10	0.5±	0.1	142±	1	2.9±	0.2*	102±	1	10.6±	0.2	5.4±	0.4
293.0 ppm	0	-		-		-		-		-		-	

Significant difference ; * : P ≤ 0.05 ** : P ≤ 0.01

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付録表 C - 4

血液生化学的検査・総括表
(ラット・13週間試験・雌)

STUDY NO. : 0049
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

BIOCHEMISTRY (SUMMARY)
 SURVIVAL ANIMALS (13)

Group Name	NO. of Animal	TOTAL PROTEIN		ALBUMIN		A/G RATIO		T-BILIRUBIN		GLUCOSE		T-CHOLESTEROL		TRIGLYCERIDE	
		g/dl		g/dl				mg/dl		mg/dl		mg/dl		mg/dl	
0 ppm	10	6.5±	0.2	3.8±	0.1	1.4±	0.1	0.21±	0.02	160±	12	81±	6	50±	6
7.5 ppm	9	6.5±	0.2	3.7±	0.1	1.4±	0.1	0.22±	0.01	160±	21	80±	10	51±	4
18.8 ppm	10	6.6±	0.1	3.8±	0.1	1.3±	0.1	0.22±	0.02	152±	11	86±	5*	52±	7
46.9 ppm	10	6.5±	0.1	3.7±	0.1	1.3±	0.1	0.22±	0.01	155±	14	86±	4*	55±	6
117.0 ppm	10	6.6±	0.2	3.8±	0.1	1.4±	0.1	0.22±	0.04	141±	17**	87±	4**	52±	5
293.0 ppm	0	-		-		-		-		-		-		-	

Significant difference : * : P ≤ 0.05 ** : P ≤ 0.01

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STUDY NO. : 0049
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

BIOCHEMISTRY (SUMMARY)
 SURVIVAL ANIMALS (13)

PAGE : 5

Group Name	NO. of Animal	GOT IU/ℓ		GPT IU/ℓ		LDH IU/ℓ		ALP IU/ℓ		LAP IU/ℓ		CPK IU/ℓ		UREA NITROGEN mg/dℓ	
0 ppm	10	66±	7	20±	3	291±	58	163±	15	52±	2	135±	18	19.7±	2.8
7.5 ppm	9	69±	10	24±	5	299±	47	171±	19	52±	3	131±	20	19.4±	1.5
18.8 ppm	10	70±	8	22±	3	293±	49	165±	15	54±	3	131±	17	19.4±	1.8
46.9 ppm	10	76±	9*	24±	4*	317±	47	161±	14	52±	2	135±	20	19.3±	1.3
117.0 ppm	10	82±	14**	27±	5**	384±	163	152±	21	53±	3	138±	20	18.8±	2.0
293.0 ppm	0	-		-		-		-		-		-		-	

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

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STUDY NO. : 0049
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

BIOCHEMISTRY (SUMMARY)
 SURVIVAL ANIMALS (13)

Group Name	NO. of Animal	CREATININE mg/dl		SODIUM mEq/l		POTASSIUM mEq/l		CHLORIDE mEq/l		CALCIUM mg/dl		INORGANIC PHOSPHORUS mg/dl	
0 ppm	10	0.4±	0.1	142±	1	2.9±	0.3	104±	2	10.5±	0.2	4.9±	0.6
7.5 ppm	9	0.5±	0.1	142±	1	2.9±	0.3	105±	1	10.4±	0.3	5.0±	0.5
18.8 ppm	10	0.4±	0.1	142±	1	2.9±	0.2	105±	2	10.4±	0.3	5.0±	0.7
46.9 ppm	10	0.4±	0.1	141±	2	3.0±	0.1	104±	3	10.4±	0.2	4.3±	0.9
117.0 ppm	10	0.4±	0.0*	142±	1	3.1±	0.9	104±	3	10.4±	0.2	5.1±	1.0
293.0 ppm	0	-	-	-	-	-	-	-	-	-	-	-	-

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

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付録表 C - 5

尿検査・総括表

(ラット・13週間試験・雄)

STUDY NO. : 0049
 ANIMAL : RAT F344
 SAMPLING DATE : 013-7
 SEX : MALE

URINALYSIS

REPORT TYPE : A1

PAGE : 1

Group Name	NO. of Animals	pH							CHI	Protein					CHI	Glucose				CHI	Ketone body			CHI	Bilirubin				CHI
		5.0	6.0	6.5	7.0	7.5	8.0	8.5		-	±	+	2+	3+		4+	-	±	+		2+	3+	4+		-	+	2+	3+	
0 ppm	10	0	0	0	0	4	6	0	0	0	7	3	0	0	10	0	0	0	0	0	9	1	0	0	10	0	0	0	
7.5 ppm	10	0	0	0	1	4	5	0	0	2	3	5	0	0	10	0	0	0	0	0	9	1	0	0	10	0	0	0	
18.8 ppm	10	0	0	0	1	6	3	0	0	2	6	2	0	0	10	0	0	0	0	0	10	0	0	0	10	0	0	0	
46.9 ppm	10	0	0	0	1	4	5	0	0	3	2	4	1	0	10	0	0	0	0	0	8	2	0	0	10	0	0	0	
117.0 ppm	10	0	0	0	0	6	4	0	0	5	5	0	0	0	10	0	0	0	0	0	10	0	0	0	10	0	0	0	
293.0 ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Significant difference ; * : P ≤ 0.05 ** : P ≤ 0.01

Test of CHI SQUARE

(JCL103X)

BAIS 2

STUDY NO. : 0049
ANIMAL : RAT F344
SAMPLING DATE : 013-7
SEX : MALE

URINALYSIS

REPORT TYPE : A1

PAGE : 2

Group Name	NO. of Animals	Occult blood				CHI	Urobilinogen				CHI	
		-	±	2+	3+		±	+	2+	3+		4+
0 ppm	10	9	1	0	0	0	10	0	0	0	0	0
7.5 ppm	10	10	0	0	0	0	10	0	0	0	0	0
18.8 ppm	10	9	0	0	1	0	10	0	0	0	0	0
46.9 ppm	10	10	0	0	0	0	10	0	0	0	0	0
117.0 ppm	10	9	1	0	0	0	10	0	0	0	0	0
293.0 ppm	0	-	-	-	-	-	-	-	-	-	-	-

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

Test of CHI SQUARE

付録表 C - 6

尿検査・総括表

(ラット・13週間試験・雌)

STUDY NO. : 0049
 ANIMAL : RAT F344
 SAMPLING DATE : 013-7
 SEX : FEMALE

URINALYSIS

REPORT TYPE : A1

Group Name	NO. of Animals	pH							CHI	Protein					CHI	Glucose				CHI	Ketone body			CHI	Bilirubin			CHI
		5.0	6.0	6.5	7.0	7.5	8.0	8.5		-	±	+	2+	3+		4+	-	±	+		2+	3+	4+		-	+	2+	
0 ppm	10	0	0	0	0	4	6	0	3	3	3	1	0	0	10	0	0	0	0	0	10	0	0	0	10	0	0	0
7.5 ppm	10	0	0	0	0	5	5	0	0	3	6	1	0	0	10	0	0	0	0	0	9	1	0	0	10	0	0	0
18.8 ppm	10	0	0	1	1	4	4	0	0	0	10	0	0	0	10	0	0	0	0	0	8	2	0	0	10	0	0	0
46.9 ppm	10	0	0	0	1	6	3	0	3	4	3	0	0	0	10	0	0	0	0	0	10	0	0	0	10	0	0	0
117.0 ppm	10	0	0	0	1	0	9	0	1	7	2	0	0	0	10	0	0	0	0	0	10	0	0	0	10	0	0	0
293.0 ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Test of CHI SQUARE

STUDY NO. : 0049
 ANIMAL : RAT F344
 SAMPLING DATE : 013-7
 SEX : FEMALE

URINALYSIS

REPORT TYPE : A1

PAGE : 4

Group Name	NO. of Animals	Occult blood				CHI	Urobilinogen				CHI
		-	±	2+	3+		±	2+	3+	4+	
0 ppm	10	10	0	0	0	0	10	0	0	0	0
7.5 ppm	10	10	0	0	0	0	10	0	0	0	0
18.8 ppm	10	10	0	0	0	0	10	0	0	0	0
46.9 ppm	10	10	0	0	0	0	10	0	0	0	0
117.0 ppm	10	10	0	0	0	0	10	0	0	0	0
293.0 ppm	0	-	-	-	-	-	-	-	-	-	-

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

Test of CHI SQUARE

付録表 C - 7

血液学的検査・総括表
(ラット・がん原性試験・雄)

STUDY NO. : 0061
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

HEMATOLOGY(1) (SUMMARY)
 SURVIVAL ANIMALS (104)

PAGE : 1

Group Name	NO. of Animal	RED BLOOD CELL 10 ⁶ /μℓ		HEMOGLOBIN g/dℓ		HEMATOCRIT %		MCV fℓ		PLATELET 10 ³ /μℓ	
0 ppm	32	8.03±	2.33	14.6±	3.8	38.9±	10.2	51.0±	13.3	994±	323
4 ppm	34	8.12±	1.90	15.2±	2.9	40.2±	7.9	51.6±	11.8	997±	264
20 ppm	30	8.32±	2.10	15.1±	3.5	40.2±	9.7	48.9±	4.7	992±	265
100 ppm	33	9.39±	1.59**	17.1±	2.3**	45.7±	6.2**	49.2±	5.0	940±	268

Significant difference : * : P ≤ 0.05 ** : P ≤ 0.01 Test of t

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付録表 C - 8

血液学的検査・総括表
(ラット・がん原性試験・雌)

STUDY NO. : 0061
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

HEMATOLOGY(1) (SUMMARY)
 SURVIVAL ANIMALS (104)

Group Name	NO. of Animal	RED BLOOD CELL 10 ⁶ /μℓ		HEMOGLOBIN g/dℓ		HEMATOCRIT %		MCV fℓ		PLATELET 10 ³ /μℓ	
0 ppm	42	7.98±	1.38	15.4±	2.4	41.0±	6.4	52.1±	6.5	723±	203
4 ppm	38	7.91±	1.27	15.4±	1.9	41.2±	5.3	52.8±	6.3	753±	173
20 ppm	39	7.95±	1.32	15.4±	2.4	40.8±	6.4	51.4±	3.5	754±	195
100 ppm	40	8.42±	0.96	16.4±	1.3*	43.7±	3.9*	52.1±	2.3	724±	123

Significant difference ; * : P ≤ 0.05 ** : P ≤ 0.01

Test of t

付録表 C - 9

血液生化学的検査・総括表
(ラット・がん原性試験・雄)

STUDY NO. : 0061
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

BIOCHEMISTRY (SUMMARY)
 SURVIVAL ANIMALS (104)

Group Name	NO. of Animal	TOTAL PROTEIN		ALBUMIN		A/G RATIO		T-BILIRUBIN		GLUCOSE		T-CHOLESTEROL		TRIGLYCERIDE	
		g/dl		g/dl				mg/dl		mg/dl		mg/dl		mg/dl	
0 ppm	32	6.6±	0.6	3.0±	0.3	0.8±	0.1	0.27±	0.26	167±	26	185±	58	223±	155
4 ppm	34	6.7±	0.5	3.1±	0.3	0.9±	0.1	0.38±	0.83	155±	34	180±	48	205±	119
20 ppm	30	6.7±	0.5	3.0±	0.3	0.8±	0.1	0.25±	0.06	161±	22	196±	53	286±	176
100 ppm	33	6.8±	0.3	3.1±	0.2	0.8±	0.1	0.24±	0.07	156±	21	181±	48	220±	105

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

Test of t

STUDY NO. : 0061
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

BIOCHEMISTRY (SUMMARY)
 SURVIVAL ANIMALS (104)

Group Name	NO. of Animal	PHOSPHOLIPID mg/dl	GOT IU/l	GPT IU/l	LDH IU/l	ALP IU/l	LAP IU/l	G-GTP IU/l
0 ppm	32	291± 108	106± 166	28± 39	233± 147	200± 134	47± 7	7± 13
4 ppm	34	280± 87	84± 93	19± 12	262± 197	161± 107	47± 7	4± 4
20 ppm	30	306± 93	99± 132	23± 21	222± 143	187± 122	47± 8	7± 5
100 ppm	33	279± 83	58± 18	16± 4	173± 56*	180± 158	48± 5	5± 3

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

Test of t

STUDY NO. : 0061
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : MALE

BIOCHEMISTRY (SUMMARY)
 SURVIVAL ANIMALS (104)

PAGE : 3

Group Name	NO. of Animal	CPK IU/ℓ	UREA NITROGEN mg/dℓ	CREATININE mg/dℓ	SODIUM mEq/ℓ	POTASSIUM mEq/ℓ	CHLORIDE mEq/ℓ	CALCIUM mg/dℓ
0 ppm	32	89± 30	24.3± 7.6	0.7± 0.2	142± 2	3.7± 0.5	107± 2	10.8± 0.5
4 ppm	34	88± 46	24.6± 4.5	0.7± 0.1	142± 2	3.7± 0.4	107± 3	10.7± 0.5
20 ppm	30	87± 34	28.2± 12.0	0.8± 0.3	142± 2	3.6± 0.3	107± 2	10.8± 0.6
100 ppm	33	70± 14**	22.9± 3.9	0.6± 0.1	141± 2*	3.5± 0.3*	106± 2*	10.6± 0.3

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

Test of t

(HCL074)

BAIS2

STUDY NO. : 0061
ANIMAL : RAT F344
REPORT TYPE : A1
SEX : MALE

BIOCHEMISTRY (SUMMARY)
SURVIVAL ANIMALS (104)

PAGE : 4

Group Name	NO. of Animal	INORGANIC PHOSPHORUS mg/dl	
0 ppm	32	4.3±	1.0
4 ppm	34	4.0±	0.9
20 ppm	30	4.3±	1.5
100 ppm	33	4.0±	0.7

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

Test of t

(HCL074)

BAIS 2

付録表 C - 1 0

血液生化学的検査・総括表
(ラット・がん原性試験・雌)

STUDY NO. : 0061
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

BIOCHEMISTRY (SUMMARY)
 SURVIVAL ANIMALS (104)

Group Name	NO. of Animal	TOTAL PROTEIN g/dl		ALBUMIN g/dl		A/G RATIO		T-BILIRUBIN mg/dl		GLUCOSE mg/dl		T-CHOLESTEROL mg/dl		TRIGLYCERIDE mg/dl	
0 ppm	42	7.0±	0.6	3.6±	0.4	1.1±	0.1	0.53±	1.96	163±	18	136±	38	172±	146
4 ppm	38	7.0±	0.4	3.6±	0.3	1.1±	0.1	0.25±	0.13	162±	15	132±	47	145±	93
20 ppm	39	7.0±	0.6	3.6±	0.4	1.1±	0.1	0.25±	0.17	160±	28	141±	30	150±	71
100 ppm	41	7.0±	0.3	3.7±	0.2	1.1±	0.1	0.24±	0.07	154±	16*	136±	23	145±	63

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

Test of t

STUDY NO. : 0061
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

BIOCHEMISTRY (SUMMARY)
 SURVIVAL ANIMALS (104)

PAGE : 6

Group Name	NO. of Animal	PHOSPHOLIPID mg/dl		GOT IU/l		GPT IU/l		LDH IU/l		ALP IU/l		LAP IU/l		G-GTP IU/l	
0 ppm	42	254±	80	137±	166	33±	25	300±	383	137±	107	42±	7	4±	5
4 ppm	38	244±	103	119±	62	34±	16	273±	255	138±	60	41±	7	4±	2
20 ppm	39	257±	59	130±	100	36±	24	484±	1498	178±	260	43±	7	5±	6
100 ppm	41	247±	45	112±	55	33±	19	290±	375	125±	59	45±	4*	4±	3

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

Test of t

(IICL074)

BAIS 2

STUDY NO. : 0061
 ANIMAL : RAT F344
 REPORT TYPE : A1
 SEX : FEMALE

BIOCHEMISTRY (SUMMARY)
 SURVIVAL ANIMALS (104)

PAGE : 7

Group Name	NO. of Animal	CPK I U/ℓ		UREA NITROGEN mg/dℓ		CREATININE mg/dℓ		SODIUM mEq/ℓ		POTASSIUM mEq/ℓ		CHLORIDE mEq/ℓ		CALCIUM mg/dℓ	
0 ppm	42	88±	38	18.2±	2.7	0.5±	0.1	141±	2	3.7±	0.5	106±	2	10.7±	0.4
4 ppm	38	81±	23	17.9±	2.9	0.5±	0.1	141±	2	3.5±	0.4	106±	3	10.5±	0.3
20 ppm	39	133±	255	19.2±	11.4	0.5±	0.1	141±	2	3.7±	0.6	105±	3	10.5±	0.7
100 ppm	41	74±	18*	17.7±	2.0	0.5±	0.0	141±	2	3.5±	0.4	105±	2	10.4±	0.4*

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

Test of t

(ICL074)

BAIS2

STUDY NO. : 0061
ANIMAL : RAT F344
REPORT TYPE : A1
SEX : FEMALE

BIOCHEMISTRY (SUMMARY)
SURVIVAL ANIMALS (104)

PAGE : 8

Group Name	NO. of Animal	INORGANIC PHOSPHORUS mg/dl	
0 ppm	42	3.7±	1.1
4 ppm	38	3.5±	0.7
20 ppm	39	3.6±	1.1
100 ppm	41	3.4±	1.0

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

Test of t

(HCL074)

BAIS 2

付録表 C - 1 1

尿検査・総括表

(ラット・がん原性試験・雄)

STUDY NO. : 0061
 ANIMAL : RAT F344
 SAMPLING DATE : 104-7
 SEX : MALE

URINALYSIS

REPORT TYPE : A1

PAGE : 1

Group Name	NO. of Animals	pH								CHI	Protein					CHI	Glucose					CHI	Ketone body				CHI	Bilirubin				CHI	
		5.0	6.0	6.5	7.0	7.5	8.0	8.5	-		±	+	2+	3+	4+		-	±	+	2+	3+		4+	-	+	2+		3+	-	+	2+		3+
0 ppm	34	0	1	2	3	17	11	0		0	0	0	0	3	31		34	0	0	0	0	0		33	1	0	0		34	0	0	0	
4 ppm	35	0	1	2	6	19	6	1		0	0	0	0	6	29		35	0	0	0	0	0		34	1	0	0		33	0	1	1	
20 ppm	32	0	2	2	6	14	8	0		0	0	0	5	16	11	**	31	1	0	0	0	0		32	0	0	0		32	0	0	0	
100 ppm	34	0	0	1	5	19	9	0		0	0	0	1	29	4	**	34	0	0	0	0	0		34	0	0	0		34	0	0	0	

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

Test of CHI SQUARE

(JCL103X)

BAIS2

STUDY NO. : 0061
ANIMAL : RAT F344
SAMPLING DATE : 104-7
SEX : MALE

URINALYSIS

REPORT TYPE : A1

PAGE : 2

Group Name	NO. of Animals	Occult blood				Urobilinogen					
		-	±	2+	3+	CHI	±	2+	3+	4+	CHI
0 ppm	34	30	3	0	1	0	34	0	0	0	0
4 ppm	35	33	0	1	0	1	33	1	0	1	0
20 ppm	32	31	0	1	0	0	32	0	0	0	0
100 ppm	34	31	2	0	0	1	34	0	0	0	0

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

Test of CHI SQUARE

(JCL103X)

BAIS2

付録表 C - 1 2

尿検査・総括表

(ラット・がん原性試験・雌)

STUDY NO. : 0061
 ANIMAL : RAT F344
 SAMPLING DATE : 104-7
 SEX : FEMALE

URINALYSIS

REPORT TYPE : A1

PAGE : 3

Group Name	NO. of Animals	pH							CHI	Protein					CHI	Glucose				CHI	Ketone body				CHI	Bilirubin				CHI
		5.0	6.0	6.5	7.0	7.5	8.0	8.5		-	±	+	2+	3+		4+	-	±	+		2+	3+	4+	-		+	2+	3+	-	
0 ppm	43	0	2	2	4	16	17	2	0	0	4	7	15	17	43	0	0	0	0	0	0	40	3	0	0	42	0	0	0	1
4 ppm	38	0	0	4	5	14	11	4	0	0	0	10	13	15	38	0	0	0	0	0	0	37	1	0	0	38	0	0	0	0
20 ppm	39	0	0	5	3	17	13	1	0	0	2	12	12	13	39	0	0	0	0	0	0	39	0	0	0	38	0	0	1	0
100 ppm	42	0	0	2	1	9	25	5	0	0	1	9	29	3	**	42	0	0	0	0	0	42	0	0	0	42	0	0	0	0

Significant difference : * : P ≤ 0.05 ** : P ≤ 0.01

Test of CHI SQUARE

(JCL103X)

BAIS2

STUDY NO. : 0061
ANIMAL : RAT F344
SAMPLING DATE : 104-7
SEX : FEMALE

URINALYSIS

REPORT TYPE : A1

PAGE : 4

Group Name	NO. of Animals	Occult blood				CHI	Urobilinogen				CHI
		-	±	2+	3+		±	2+	3+	4+	
0 ppm	43	40	1	1	1	0	42	0	0	1	0
4 ppm	38	36	1	0	1	0	38	0	0	0	0
20 ppm	39	36	2	0	1	0	38	0	0	1	0
100 ppm	42	42	0	0	0	0	42	0	0	0	0

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

Test-of CHI SQUARE

(JCL103X)

BATS 2

付録表 C - 13

血液学的検査・総括表
(マウス・13週間試験・雄)

STUDY NO. : 0050
 ANIMAL : MOUSE BDF1
 REPORT TYPE : A1
 SEX : MALE

HEMATOLOGY(1) (SUMMARY)
 SURVIVAL ANIMALS (13)

PAGE : 1

Group Name	NO. of Animal	RED BLOOD CELL 10 ⁶ /μl	HEMOGLOBIN g/dl	HEMATOCRIT %	MCV fl	PLATELET 10 ³ /μl
0 ppm	8	10.81± 0.37	15.4± 0.5	44.6± 1.6	41.2± 0.4	1347± 70
7.5 ppm	8	11.00± 0.24	15.6± 0.4	45.3± 0.8	41.1± 0.5	1387± 79
15.0 ppm	9	10.70± 0.38	15.2± 0.6	44.2± 1.9	41.2± 0.6	1297± 110
30.0 ppm	8	10.94± 0.38	15.6± 0.5	45.3± 1.7	41.4± 0.3	1349± 110
60.0 ppm	8	10.86± 0.24	15.6± 0.3	45.3± 0.8	41.6± 0.5	1305± 122
120.0 ppm	8	10.70± 0.48	15.7± 0.6	45.6± 1.8	42.5± 0.6**	1336± 193

Significant difference : * : P ≤ 0.05

** : P ≤ 0.01

Test of t

(HCL070)

BA152

STUDY NO. : 0050
 ANIMAL : MOUSE BDF1
 REPORT TYPE : A1
 SEX : MALE

HEMATOLOGY(2) (SUMMARY)
 SURVIVAL ANIMALS (13)

PAGE : 1

Group Name	NO. of Animals	WBC 10 ³ /μl		Differential N-BAND		WBC (%) N-SEG		EOSINO		BASO		MONO		LYMPHO		OTHER	
0 ppm	08	1.48±	0.91	0±	0	13±	3	1±	1	0±	0	2±	1	84±	3	0±	0
7.5 ppm	08	1.43±	0.47	0±	0	16±	4	2±	1	0±	0	2±	1	80±	4	0±	0
15.0 ppm	09	1.60±	0.75	0±	0	17±	5	2±	1	0±	0	2±	1	79±	6	0±	1
30.0 ppm	08	1.45±	0.47	0±	0	18±	3**	1±	1	0±	0	2±	1	79±	3**	0±	0
60.0 ppm	08	1.59±	0.56	0±	1	19±	3**	1±	1	0±	0	2±	1	77±	4**	0±	0
120.0 ppm	08	1.50±	0.83	0±	0	16±	3	1±	1	0±	0	2±	1	81±	3	0±	0

Significant difference : * : P ≤ 0.05 ** : P ≤ 0.01

Test of t

(JCL71A)

BAIS 2

付録表 C - 1 4

血液学的検査・総括表
(マウス・13週間試験・雌)

STUDY NO. : 0050
 ANIMAL : MOUSE BDF1
 REPORT TYPE : A1
 SEX : FEMALE

HEMATOLOGY(1) (SUMMARY)
 SURVIVAL ANIMALS (13)

PAGE : 2

Group Name	NO. of Animal	RED BLOOD CELL 10 ⁶ /μl		HEMOGLOBIN g/dl		HEMATOCRIT %		MCV fl		PLATELET 10 ³ /μl	
0 ppm	9	10.77±	0.43	15.7±	0.6	44.7±	2.1	41.4±	0.6	1171±	114
7.5 ppm	9	10.96±	0.16	15.9±	0.3	45.6±	0.9	41.6±	0.6	1132±	149
15.0 ppm	10	10.58±	0.38	15.5±	0.5	44.2±	1.3	41.7±	0.5	1139±	120
30.0 ppm	9	10.75±	0.36	15.8±	0.5	45.0±	1.6	41.8±	0.5	1146±	113
60.0 ppm	9	10.79±	0.45	15.9±	0.7	45.5±	1.8	42.1±	0.3*	1149±	126
120.0 ppm	1	11.02±	0.00	16.3±	0.0	46.7±	0.0	42.3±	0.0	1082±	0

Significant difference : * : P ≤ 0.05

** : P ≤ 0.01

Test of t

(HCL070)

BAIS 2

STUDY NO. : 0050
 ANIMAL : MOUSE BDF1
 REPORT TYPE : A1
 SEX : FEMALE

HEMATOLOGY(2) (SUMMARY)
 SURVIVAL ANIMALS (13)

PAGE : 2

Group Name	NO. of Animals	WBC 10 ³ /μl		Differential N-BAND		WBC (%) N-SEG		EOSINO	BASO	MONO	LYMPHO	OTHER					
0 ppm	09	1.78±	0.93	0±	1	16±	5	1±	1	0±	0	1±	1	81±	5	0±	0
7.5 ppm	09	2.09±	0.88	0±	0	14±	3	2±	1	0±	0	1±	1	83±	2	0±	0
15.0 ppm	10	1.84±	1.03	0±	0	13±	3	2±	1	0±	0	2±	1	83±	4	0±	0
30.0 ppm	09	1.78±	0.97	0±	0	15±	3	1±	1	0±	0	2±	1**	82±	3	0±	0
60.0 ppm	09	1.91±	0.95	0±	0	15±	3	1±	1**	0±	0	2±	1	82±	3	0±	0
120.0 ppm	01	2.70±	0.00	0±	0	15±	0	0±	0	0±	0	2±	0	83±	0	0±	0

Significant difference : * : P ≤ 0.05 ** : P ≤ 0.01

Test of t

(JCL71A)

BAIS 2

付録表C - 15

血液生化学的検査・総括表
(マウス・13週間試験・雄)

STUDY NO. : 0050
 ANIMAL : MOUSE BDF1
 REPORT TYPE : A1
 SEX : MALE

BIOCHEMISTRY (SUMMARY)
 SURVIVAL ANIMALS (13)

PAGE : 1

Group Name	NO. of Animal	TOTAL PROTEIN g/dl		ALBUMIN g/dl		A/G RATIO		T-BILIRUBIN mg/dl		GLUCOSE mg/dl		T-CHOLESTEROL mg/dl		GOT I U/l	
0 ppm	10	5.1±	0.1	3.1±	0.1	1.5±	0.1	0.20±	0.04	205±	22	90±	6	41±	4
7.5 ppm	8	5.2±	0.3	3.1±	0.1	1.5±	0.1	0.17±	0.04	199±	34	89±	7	39±	5
15.0 ppm	10	5.2±	0.1	3.1±	0.1	1.5±	0.1	0.18±	0.02	182±	30	90±	4	44±	8
30.0 ppm	9	5.1±	0.2	3.1±	0.1	1.6±	0.1	0.21±	0.04	196±	14	86±	6	41±	4
60.0 ppm	8	5.2±	0.2	3.1±	0.1	1.5±	0.1	0.21±	0.07	185±	35	87±	6	42±	6
120.0 ppm	8	5.2±	0.2	3.1±	0.1	1.5±	0.1	0.22±	0.09	154±	36**	82±	11	40±	6

Significant difference : * : P ≤ 0.05 ** : P ≤ 0.01

Test of t

(HCL074)

BAIS 2

STUDY NO. : 0050
 ANIMAL : MOUSE BDF1
 REPORT TYPE : A1
 SEX : MALE

BIOCHEMISTRY (SUMMARY)
 SURVIVAL ANIMALS (13)

PAGE : 2

Group Name	NO. of Animal	GPT IU/ℓ		LDH IU/ℓ		ALP IU/ℓ		LAP IU/ℓ		UREA NITROGEN mg/dℓ		SODIUM mEq/ℓ		POTASSIUM mEq/ℓ	
0 ppm	10	10±	1	311±	67	142±	5	41±	1	27.0±	2.8	152±	1	4.2±	0.5
7.5 ppm	8	10±	1	334±	85	146±	7	40±	2	27.6±	3.4	152±	2	4.2±	0.4
15.0 ppm	10	12±	2	341±	63	145±	6	40±	2	28.5±	4.7	153±	2	4.3±	0.4
30.0 ppm	9	10±	2	396±	148	153±	7**	40±	2	28.9±	3.0	152±	2	4.7±	0.6
60.0 ppm	8	12±	4	348±	43	149±	10	41±	2	27.1±	4.2	153±	2	4.5±	0.2
120.0 ppm	8	11±	2	348±	98	155±	15	41±	2	32.4±	5.2*	154±	2**	4.6±	1.0

Significant difference : * : $P \leq 0.05$

** : $P \leq 0.01$

Test of t

(HCL074)

BAIS2

STUDY NO. : 0050
ANIMAL : MOUSE BDF1
REPORT TYPE : A1
SEX : MALE

BIOCHEMISTRY (SUMMARY)
SURVIVAL ANIMALS (13)

PAGE : 3

Group Name	NO. of Animal	CHLORIDE mEq/l	
0 ppm	10	120±	2
7.5 ppm	8	120±	1
15.0 ppm	10	119±	1
30.0 ppm	9	118±	3
60.0 ppm	8	119±	2
120.0 ppm	8	120±	2

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

Test of t

(HCL074)

BAIS 2

付録表 C - 16

血液生化学的検査・総括表

(マウス・13週間試験・雌)

STUDY NO. : 0050
 ANIMAL : MOUSE BDF1
 REPORT TYPE : A1
 SEX : FEMALE

BIOCHEMISTRY (SUMMARY)
 SURVIVAL ANIMALS (13)

Group Name	NO. of Animal	TOTAL PROTEIN g/dl		ALBUMIN g/dl		A/G RATIO		T-BILIRUBIN mg/dl		GLUCOSE mg/dl		T-CHOLESTEROL mg/dl		GOT I U/l	
0 ppm	9	5.2±	0.2	3.2±	0.1	1.6±	0.1	0.24±	0.04	153±	20	84±	5	52±	9
7.5 ppm	9	5.3±	0.1	3.3±	0.1	1.6±	0.1	0.29±	0.08	135±	25	87±	12	52±	6
15.0 ppm	10	5.4±	0.2	3.2±	0.1	1.6±	0.1	0.26±	0.04	144±	31	85±	6	50±	7
30.0 ppm	10	5.3±	0.1	3.3±	0.1	1.6±	0.1	0.23±	0.04	154±	14	82±	6	50±	5
60.0 ppm	9	5.1±	0.2	3.2±	0.1	1.6±	0.1	0.19±	0.04*	170±	15	81±	14	50±	15
120.0 ppm	1	5.4±	0.0	3.4±	0.0	1.7±	0.0	0.40±	0.00	114±	0	72±	0	50±	0

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

Test of t

STUDY NO. : 0050
 ANIMAL : MOUSE BDF1
 REPORT TYPE : A1
 SEX : FEMALE

BIOCHEMISTRY (SUMMARY)
 SURVIVAL ANIMALS (13)

PAGE : 5

Group Name	NO. of Animal	GPT IU/ℓ		LDH IU/ℓ		ALP IU/ℓ		LAP IU/ℓ		UREA NITROGEN mg/dℓ		SODIUM mEq/ℓ		POTASSIUM mEq/ℓ	
0 ppm	9	11±	2	434±	90	243±	24	40±	3	21.8±	1.1	153±	2	4.2±	0.5
7.5 ppm	9	11±	1	443±	113	228±	31	41±	3	21.1±	2.6	152±	2	4.7±	0.6
15.0 ppm	10	12±	3	442±	96	218±	24*	39±	3	22.6±	2.7	152±	3	4.8±	0.5*
30.0 ppm	10	12±	2	409±	83	232±	19	41±	2	22.8±	1.7	153±	3	4.5±	0.5
60.0 ppm	9	13±	3	415±	110	229±	41	39±	3	22.6±	4.0	152±	2	4.2±	0.5
120.0 ppm	1	14±	0	694±	0	270±	0	38±	0	24.2±	0.0	156±	0	6.0±	0.0

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

Test of t

(ICL074)

BAIS 2

STUDY NO. : 0050
ANIMAL : MOUSE BDF1
REPORT TYPE : A1
SEX : FEMALE

BIOCHEMISTRY (SUMMARY)
SURVIVAL ANIMALS (13)

PAGE : 6

Group Name	NO. of Animal	CHLORIDE mEq/ℓ	
0 ppm	9	120±	1
7.5 ppm	9	119±	1
15.0 ppm	10	119±	2
30.0 ppm	10	119±	2
60.0 ppm	9	118±	2
120.0 ppm	1	122±	0

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

Test of t

(ICL074)

BA1S2

付録表 C - 17

尿検査・総括表

(マウス・13週間試験・雄)

STUDY NO. : 0050
 ANIMAL : MOUSE BDF1
 SAMPLING DATE : 013-7
 SEX : MALE

URINALYSIS

REPORT TYPE : A1

PAGE : 1

Group Name	NO. of Animals	pH							CHI	Protein					CHI	Glucose				CHI	Ketone body			CHI	Occult blood				CHI
		5.0	6.0	6.5	7.0	7.5	8.0	8.5		-	±	+	2+	3+		4+	-	±	+		2+	3+	4+		-	+	2+	3+	
0 ppm	10	0	0	0	0	2	6	2	0	0	3	7	0	0	10	0	0	0	0	0	9	1	0	0	10	0	0	0	0
7.5 ppm	10	0	0	0	0	1	8	1	0	0	4	6	0	0	10	0	0	0	0	0	8	2	0	0	8	0	2	0	0
15.0 ppm	10	0	0	0	0	1	7	2	0	0	5	4	1	0	10	0	0	0	0	0	9	1	0	0	10	0	0	0	0
30.0 ppm	10	0	0	0	1	2	6	1	0	0	1	9	0	0	10	0	0	0	0	0	10	0	0	0	10	0	0	0	0
60.0 ppm	10	0	0	0	0	2	6	2	0	0	5	5	0	0	10	0	0	0	0	0	10	0	0	0	10	0	0	0	0
120.0 ppm	9	0	0	1	2	3	2	1	0	0	4	5	0	0	9	0	0	0	0	0	8	1	0	0	9	0	0	0	0

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

Test of CHI SQUARE

(JCL104X)

BAIS 2

STUDY NO. : 0050
ANIMAL : MOUSE BDF1
SAMPLING DATE : 013-7
SEX : MALE

URINALYSIS

REPORT TYPE : A1

PAGE : 2

Group Name	NO. of Animals	Urobilinogen ± + 2+ 3+ 4+ CHI
0 ppm	10	10 0 0 0 0
7.5 ppm	10	10 0 0 0 0
15.0 ppm	10	10 0 0 0 0
30.0 ppm	10	10 0 0 0 0
60.0 ppm	10	10 0 0 0 0
120.0 ppm	9	9 0 0 0 0

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

Test of CHI SQUARE

(JCL104X)

BAIS 2

付録表 C - 18

尿検査・総括表

(マウス・13週間試験・雌)

STUDY NO. : 0050
 ANIMAL : MOUSE BDF1
 SAMPLING DATE : 013-7
 SEX : FEMALE

URINALYSIS

REPORT TYPE : A1

Group Name	NO. of Animals	pH							CHI	Protein					CHI	Glucose				CHI	Ketone body			CHI	Occult blood				CHI				
		5.0	6.0	6.5	7.0	7.5	8.0	8.5		-	±	+	2+	3+		4+	-	±	+		2+	3+	4+		-	+	2+	3+		-	±	+	2+
0 ppm	10	0	0	1	1	3	4	1		3	5	2	0	0	0		10	0	0	0	0	0		9	1	0	0		10	0	0	0	0
7.5 ppm	10	0	0	2	0	3	3	2		1	8	1	0	0	0		10	0	0	0	0	0		10	0	0	0		10	0	0	0	0
15.0 ppm	10	0	0	1	0	5	4	0		2	3	4	1	0	0		10	0	0	0	0	0		10	0	0	0		10	0	0	0	0
30.0 ppm	10	0	0	0	0	3	6	1		4	1	2	3	0	0		10	0	0	0	0	0		10	0	0	0		9	1	0	0	0
60.0 ppm	10	0	0	5	0	1	3	1		0	0	7	2	1	0	**	10	0	0	0	0	0		8	2	0	0		10	0	0	0	0
120.0 ppm	1	0	0	0	0	0	0	1		0	0	0	1	0	0	*	1	0	0	0	0	0		1	0	0	0		1	0	0	0	0

Significant difference : * : P ≤ 0.05 ** : P ≤ 0.01

Test of CHI SQUARE

STUDY NO. : 0050

URINALYSIS

ANIMAL : MOUSE BDF1

SAMPLING DATE : 013-7

SEX : FEMALE

REPORT TYPE : A1

PAGE : 4

Group Name	NO. of Animals	Urobilinogen ± + 2+ 3+ 4+ CHI
0 ppm	10	10 0 0 0 0
7.5 ppm	10	10 0 0 0 0
15.0 ppm	10	10 0 0 0 0
30.0 ppm	10	10 0 0 0 0
60.0 ppm	10	10 0 0 0 0
120.0 ppm	1	1 0 0 0 0

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

Test of CHI SQUARE

(JCL104X)

BAIS2

付録表 C - 19

血液学的検査・総括表
(マウス・がん原性試験・雄)

STUDY NO. : 0062
 ANIMAL : MOUSE BDF1
 REPORT TYPE : A1
 SEX : MALE

HEMATOLOGY(1) (SUMMARY)
 SURVIVAL ANIMALS (104)

PAGE : 1

Group Name	NO. of Animal	RED BLOOD CELL 10 ⁶ /μl		HEMOGLOBIN g/dl		HEMATOCRIT %		MCV fl		PLATELET 10 ³ /μl	
0 ppm	40	9.97±	1.30	14.4±	1.5	41.5±	4.6	41.7±	1.6	1990±	494
4 ppm	36	9.56±	1.09	13.7±	1.5	39.6±	4.5	41.4±	2.0	2007±	368
16 ppm	30	9.83±	0.88	14.1±	1.3	40.8±	4.1	41.4±	1.9	1968±	394
64 ppm	42	9.78±	1.61	14.2±	1.9	41.3±	5.7	42.3±	1.9	1880±	577

Significant difference : * : P ≤ 0.05

** : P ≤ 0.01

Test of t

(HCL070)

BAIS 2

STUDY NO. : 0062
 ANIMAL : MOUSE BDF1
 REPORT TYPE : A1
 SEX : MALE

HEMATOLOGY(2) (SUMMARY)
 SURVIVAL ANIMALS (104)

Group Name	NO. of Animals	WBC 10 ³ /μl		Differential N-BAND		WBC (%) N-SEG		EOSINO	BASO	MONO	LYMPHO	OTHER					
0 ppm	40	2.81±	1.56	1±	1	41±	16	1±	1	0±	0	5±	2	51±	16	1±	2
4 ppm	36	3.26±	1.80	1±	1	36±	12	1±	1	0±	0	6±	2*	56±	12	1±	1
16 ppm	30	3.08±	1.64	0±	1*	35±	14	1±	1	0±	0	6±	2	57±	14	1±	1
64 ppm	42	3.01±	1.79	1±	1	35±	14	1±	1	0±	0	5±	3	56±	14	1±	2

Significant difference : * : P ≤ 0.05 ** : P ≤ 0.01

Test of t

付録表 C - 20

血液学的検査・総括表
(マウス・がん原性試験・雌)

STUDY NO. : 0062
 ANIMAL : MOUSE BDF1
 REPORT TYPE : A1
 SEX : FEMALE

HEMATOLOGY(1) (SUMMARY)
 SURVIVAL ANIMALS (104)

PAGE : 2

Group Name	NO. of Animal	RED BLOOD CELL 10 ⁶ /μl		HEMOGLOBIN g/dl		HEMATOCRIT %		MCV fl		PLATELET 10 ³ /μl	
0 ppm	31	9.83±	1.34	14.5±	1.5	41.5±	4.8	42.3±	1.8	1235±	217
4 ppm	22	9.30±	0.91	13.9±	1.1	39.8±	3.4	42.8±	1.5	1060±	369
16 ppm	23	9.58±	0.48	14.4±	0.7	41.0±	2.4	42.8±	0.9	1456±	395*
64 ppm	35	9.61±	0.98	14.3±	1.0	41.1±	3.4	42.9±	2.9	1262±	338

Significant difference : * : P ≤ 0.05 ** : P ≤ 0.01

Test of t

(HGL070)

BAIS2

STUDY NO. : 0062
 ANIMAL : MOUSE BDF1
 REPORT TYPE : A1
 SEX : FEMALE

HEMATOLOGY(2) (SUMMARY)
 SURVIVAL ANIMALS (104)

PAGE : 2

Group Name	NO. of Animals	WBC 10 ³ /μl		Differential N-BAND		WBC (%) N-SEG		EOSINO	BASO	MONO	LYMPHO	OTHER					
0 ppm	31	3.37±	2.86	1±	1	31±	12	1±	1	0±	0	6±	2	60±	11	2±	2
4 ppm	22	12.64±	32.08	1±	1	28±	14	1±	1	0±	0	5±	3	61±	16	4±	9
16 ppm	23	2.38±	1.90	1±	1	32±	16	1±	1	0±	0	6±	3	59±	18	1±	1
64 ppm	35	3.50±	4.14	1±	2	32±	17	1±	1	0±	0	6±	2	58±	18	2±	4

Significant difference ; * : P ≤ 0.05 ** : P ≤ 0.01

Test of t

(JCL71A)

BAIS 2

付録表 C - 2 1

血液生化学的検査・総括表
(マウス・がん原性試験・雄)

STUDY NO. : 0062
 ANIMAL : MOUSE BDF1
 REPORT TYPE : A1
 SEX : MALE

BIOCHEMISTRY (SUMMARY)
 SURVIVAL ANIMALS (104)

Group Name	NO. of Animal	TOTAL PROTEIN g/dl		ALBUMIN g/dl		A/G RATIO		T-BILIRUBIN mg/dl		GLUCOSE mg/dl		T-CHOLESTEROL mg/dl		TRIGLYCERIDE mg/dl	
0 ppm	38	5.9±	0.8	3.0±	0.4	1.1±	0.1	0.35±	0.10	186±	33	125±	49	68±	16
4 ppm	36	5.5±	0.8	2.9±	0.3	1.1±	0.2	0.39±	0.13	177±	38	109±	44	75±	20
16 ppm	30	5.5±	0.6	2.9±	0.3	1.1±	0.1	0.34±	0.08	186±	34	105±	41	73±	20
64 ppm	42	5.7±	1.0	2.8±	0.5	1.0±	0.2	0.38±	0.14	180±	43	112±	45	66±	18

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

Test of t

(HCL074)

BAIS 2

STUDY NO. : 0062
 ANIMAL : MOUSE BDF1
 REPORT TYPE : A1
 SEX : MALE

BIOCHEMISTRY (SUMMARY)
 SURVIVAL ANIMALS (104)

Group Name	NO. of Animal	PHOSPHOLIPID mg/dl		GOT IU/l		GPT IU/l		LDH IU/l		ALP IU/l		LAP IU/l		CPK IU/l	
0 ppm	38	216±	70	122±	221	50±	80	463±	367	206±	134	74±	32	46±	15
4 ppm	36	196±	65	131±	204	55±	88	526±	506	173±	51	63±	21	64±	64
16 ppm	30	190±	65	142±	222	50±	74	523±	471	169±	60	66±	43	56±	25
64 ppm	42	193±	66	98±	127	41±	64	515±	467	171±	82	64±	20	65±	60*

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

Test of t

STUDY NO. : 0062
 ANIMAL : MOUSE BDF1
 REPORT TYPE : A1
 SEX : MALE

BIOCHEMISTRY (SUMMARY)
 SURVIVAL ANIMALS (104)

Group Name	NO. of Animal	UREA NITROGEN mg/dl		SODIUM mEq/l		POTASSIUM mEq/l		CHLORIDE mEq/l		CALCIUM mg/dl		INORGANIC PHOSPHORUS mg/dl	
0 ppm	38	22.9±	3.8	153±	4	4.4±	0.4	122±	4	9.1±	0.5	6.9±	0.8
4 ppm	36	23.8±	4.5	153±	2	4.6±	0.5	122±	3	8.9±	0.6	7.2±	1.3
16 ppm	30	24.1±	4.0	153±	3	4.4±	0.4	123±	3	8.9±	0.5	7.1±	1.0
64 ppm	42	26.6±	12.3	153±	3	4.6±	0.5	124±	3	8.9±	0.6	7.5±	1.1**

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

付録表 C - 2 2

血液生化学的検査・総括表
(マウス・がん原性試験・雌)

STUDY NO. : 0062
 ANIMAL : MOUSE BDF1
 REPORT TYPE : A1
 SEX : FEMALE

BIOCHEMISTRY (SUMMARY)
 SURVIVAL ANIMALS (104)

PAGE : 4

Group Name	NO. of Animal	TOTAL PROTEIN g/dl		ALBUMIN g/dl		A/G RATIO		T-BILIRUBIN mg/dl		GLUCOSE mg/dl		T-CHOLESTEROL mg/dl		TRIGLYCERIDE mg/dl	
0 ppm	30	5.8±	1.7	2.8±	0.3	1.1±	0.3	0.38±	0.09	132±	24	81±	52	67±	16
4 ppm	21	5.2±	0.5	2.8±	0.2	1.2±	0.2	0.38±	0.10	129±	23	69±	15	79±	26
16 ppm	23	5.2±	0.5	2.7±	0.2	1.2±	0.2	0.37±	0.10	140±	19	73±	11	70±	15
64 ppm	35	5.3±	1.1	2.7±	0.2*	1.1±	0.2	0.37±	0.10	120±	28	62±	22	59±	19

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

Test of t

(HCL074)

BAIS2

STUDY NO. : 0062
 ANIMAL : MOUSE BDF1
 REPORT TYPE : A1
 SEX : FEMALE

BIOCHEMISTRY (SUMMARY)
 SURVIVAL ANIMALS (104)

Group Name	NO. of Animal	PHOSPHOLIPID mg/dl		GOT IU/l		GPT IU/l		LDH IU/l		ALP IU/l		LAP IU/l		CPK IU/l	
0 ppm	30	146±	87	113±	75	44±	50	589±	701	269±	108	66±	26	77±	81
4 ppm	21	126±	24	104±	71	28±	18	481±	423	252±	91	59±	10	60±	22
16 ppm	23	133±	21	87±	46	24±	23	360±	140	252±	116	58±	10	52±	21
64 ppm	35	114±	28	120±	119	33±	23	662±	1544	244±	69	59±	6	93±	171

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

Test of t

STUDY NO. : 0062
 ANIMAL : MOUSE BDF1
 REPORT TYPE : A1
 SEX : FEMALE

BIOCHEMISTRY (SUMMARY)
 SURVIVAL ANIMALS (104)

Group Name	NO. of Animal	UREA NITROGEN mg/dl		SODIUM mEq/l		POTASSIUM mEq/l		CHLORIDE mEq/l		CALCIUM mg/dl		INORGANIC PHOSPHORUS mg/dl	
0 ppm	30	23.3±	21.0	151±	3	4.3±	0.4	123±	3	9.0±	0.8	6.6±	1.4
4 ppm	21	18.1±	5.6	152±	3	4.3±	0.4	124±	3	8.9±	0.5	6.6±	1.1
16 ppm	23	16.0±	2.4	151±	3	4.4±	0.3	123±	2	8.8±	0.4	6.5±	1.0
64 ppm	35	22.1±	14.5	152±	4	4.5±	0.8	125±	3**	8.8±	0.6	7.1±	1.7

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

Test of t

付録表 C - 23

尿検査・総括表

(マウス・がん原性試験・雄)

STUDY NO. : 0062
 ANIMAL : MOUSE BDF1
 SAMPLING DATE : 104-7
 SEX : MALE

URINALYSIS

REPORT TYPE : A1

PAGE : 1

Group Name	NO. of Animals	pH							CHI	Protein					CHI	Glucose				CHI	Ketone body				CHI	Occult blood				CHI			
		5.0	6.0	6.5	7.0	7.5	8.0	8.5		-	±	+	2+	3+		4+	-	±	+		2+	3+	4+	-		+	2+	3+	-		±	+	2+
0 ppm	41	0	1	8	5	14	8	5		0	0	27	13	1	0		41	0	0	0	0	0		41	0	0	0		33	5	2	0	1
4 ppm	35	0	1	5	6	14	8	1		0	0	28	7	0	0		35	0	0	0	0	0		28	7	0	0	**	31	1	0	3	0
16 ppm	34	1	5	4	5	8	11	0		0	0	16	17	1	0		34	0	0	0	0	0		18	16	0	0	**	32	1	0	0	1
64 ppm	46	0	1	6	8	14	14	3		0	4	32	10	0	0		46	0	0	0	0	0		36	10	0	0	**	37	8	0	1	0

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

Test of CHI SQUARE

(JCL104X)

BAIS2

STUDY NO. : 0062
ANIMAL : HOUSE BDF1
SAMPLING DATE : 104-7
SEX : MALE

URINALYSIS

REPORT TYPE : A1

PAGE : 2

Group Name	NO. of Animals	Urobilinogen				CHI
		±	+	2+	3+	
0 ppm	41	41	0	0	0	0
4 ppm	35	35	0	0	0	0
16 ppm	34	34	0	0	0	0
64 ppm	46	45	1	0	0	0

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

Test of CHI SQUARE

(JCL104X)

BAIS 2

付録表 C - 24

尿検査・総括表

(マウス・がん原性試験・雌)

STUDY NO. : 0062
 ANIMAL : MOUSE BDF1
 SAMPLING DATE : 104-7
 SEX : FEMALE

URINALYSIS

REPORT TYPE : A1

PAGE : 3

Group Name	NO. of Animals	pH							CHI	Protein					CHI	Glucose				CHI	Ketone body				CHI	Occult blood				CHI			
		5.0	6.0	6.5	7.0	7.5	8.0	8.5		-	±	+	2+	3+		4+	-	±	+		2+	3+	4+	-		+	2+	3+	-		±	+	2+
0 ppm	31	0	0	5	3	7	14	2		0	1	25	5	0	0		31	0	0	0	0	0		26	5	0	0		29	1	1	0	0
4 ppm	24	0	1	2	2	9	7	3		0	1	9	12	2	0	**	24	0	0	0	0	0		11	13	0	0	**	19	1	3	1	0
16 ppm	24	0	1	0	0	13	10	0	*	0	2	12	10	0	0		24	0	0	0	0	0		12	12	0	0	**	20	1	3	0	0
64 ppm	36	0	1	3	1	15	7	9	*	0	1	20	15	0	0		36	0	0	0	0	0		21	15	0	0	*	30	3	3	0	0

Significant difference ; * : P ≤ 0.05 ** : P ≤ 0.01

Test of CHI SQUARE

(JCL104X)

BAIS2

STUDY NO. : 0062

ANIMAL : MOUSE BDF1

SAMPLING DATE : 104-7

SEX : FEMALE

REPORT TYPE : A1

URINALYSIS

PAGE : 4

Group Name	NO. of Animals	Urobilinogen ± + 2+ 3+ 4+ CH1
0 ppm	31	31 0 0 0 0
4 ppm	24	24 0 0 0 0
16 ppm	24	24 0 0 0 0
64 ppm	36	36 0 0 0 0

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

Test of CHI SQUARE

(JCL104X)

BAIS 2