ジクロロメタンのマウスを用いた吸入による2週間毒性試験報告書

試験番号:0230

APPENDIX

APPENDIXES

APPENDIX A 1 BODY WEIGHT CHANGES: SUMMARY, MOUSE: MALE (2-WEEK STUDY) APPENDIX A 2 BODY WEIGHT CHANGES: SUMMARY, MOUSE: FEMALE (2-WEEK STUDY) APPENDIX B 1 FOOD CONSUMPTION CHANGES: SUMMARY, MOUSE: MALE (2-WEEK STUDY) APPENDIX B 2 FOOD CONSUMPTION CHANGES: SUMMARY, MOUSE: FEMALE (2-WEEK STUDY) APPENDIX C 1 HEMATOLOGY: SUMMARY, MOUSE: MALE (2-WEEK STUDY) APPENDIX C 2 HEMATOLOGY: SUMMARY, MOUSE: FEMALE (2-WEEK STUDY) APPENDIX D 1 BIOCHEMISTRY: SUMMARY, MOUSE: MALE (2-WEEK STUDY) APPENDIX D 2 BIOCHEMISTRY: SUMMARY, MOUSE: FEMALE (2-WEEK STUDY) APPENDIX E 1 GROSS FINDINGS : SUMMARY, MOUSE : MALE : SACRIFICED ANIMALS (2-WEEK STUDY) APPENDIX E 2 GROSS FINDINGS : SUMMARY, MOUSE : FEMALE : SACRIFICED ANIMALS (2-WEEK STUDY) APPENDIX F 1 ORGAN WEIGHT, ABSOLUTE: SUMMARY, MOUSE: MALE (2-WEEK STUDY) APPENDIX F 2 ORGAN WEIGHT, ABSOLUTE: SUMMARY, MOUSE: FEMALE (2-WEEK STUDY) APPENDIX G 1 ORGAN WEIGHT, RELATIVE : SUMMARY, MOUSE : MALE

APPENDIX G 2 ORGAN WEIGHT, RELATIVE : SUMMARY, MOUSE : FEMALE

(2-WEEK STUDY)

APPENDIXES (CONTINUED)

APPENDIX H 1 HISTOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS: SUMMARY, MOUSE: MALE: DEAD AND MORIBUND (2-WEEK STUDY) HISTOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS: APPENDIX H 2 SUMMARY, MOUSE: MALE: SACRIFICED ANIMALS (2-WEEK STUDY) APPENDIX H 3 HISTOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS: SUMMARY, MOUSE: FEMALE: DEAD AND MORIBUND ANIMALS (2-WEEK STUDY) HISTOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS: APPENDIX H 4 SUMMARY, MOUSE: FEMALE: SACRIFICED ANIMALS (2-WEEK STUDY) APPENDIX I 1 IDENTITY OF DICHLOROMETHANE IN THE 2-WEEK INHALATION STUDY STABILITY OF DICHLOROMETHANE IN THE 2-WEEK APPENDIX I 2 INHALATION STUDY APPENDIX J 1 CONCENTRATION OF DICHLOROMETHANE IN THE INHALATION CHAMBER OF THE 2-WEEK INHALATION STUDY ENVIRONMENTAL CONDITIONS OF INHALATION CHAMBER APPENDIX J 2 IN THE 2-WEEK INHALATION STUDY OF DICHLOROMETHANE APPENDIX K 1 METHODS FOR HEMATOLOGY AND BIOCHEMISTRY IN THE 2-WEEK INHALATION STUDY OF DICHLOROMETHANE APPENDIX K 2 UNITS AND DECIMAL PLACE FOR HEMATOLOGY AND BIOCHEMISTRY IN THE 2-WEEK INHALATION STUDY OF

DICHLOROMETHANE

APPENDIX A 1

BODY WEIGHT CHANGES :SUMMARY, MOUSE : MALE

ANIMAL : MOUSE BDF1

UNIT : g

REPORT TYPE : A1 2

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

SEX: MALE

up Name	Administration	week-day			
	0-0	1-1	1-7	27	
Control	22.8± 0.9	23.6± 0.9	24.6± 1.3	25.7± 1.2	
1000ppm	22.5± 1.0	22.9± 1.3	23.7± 1.6	24.6± 1.8	
2000ppm	22.4± 0.9	22.6± 0.7	23.9± 1.2	24.5± 1.3	
4000ppm	22.6± 0.7	22.8± 0.8	24.4± 1.0	25.2± 1.0	
mqq0008	22.7± 0.7	21.9± 0.7**	23.9± 0.9	25.4± 1.6	
16000ppm	22.5± 0.8	20.4± 0.6**	21.5± 1.0**	22.4± 1.6**	
Significant difference;	* : P ≤ 0.05	. D < A A1		Total Division	
SIGNITICANT CITTOCONG	* : r ≥ 0.05	** : P ≤ 0.01		Test of Dunnett	

(HAN260)

APPENDIX A 2

BODY WEIGHT CHANGES: SUMMARY, MOUSE: FEMALE

ANIMAL : MOUSE BDF1
UNIT : g
REPORT TYPE : A1 2

SEX : FEMALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

PAGE: 2

oup Name	Administratio	on week-day	***************************************		
***	0-0	1-1	1-7	2-7	
Control	18.4± 0.8	18.7± 0.8	19.4± 0.9	20.8± 1.3	
1000ppm	18.2± 0.6	18.8± 0.5	19.6± 0.6	21.1± 1.1	
2000ppm	18.3± 0.7	18.5± 0.4	19.2± 0.5	20.5± 0.7	
4000ppm	18.1± 0.7	18.2± 0.8	20.1± 0.7	20.2± 0.7	
maq0008	17.9± 0.4	17.4± 0.3**	19.0± 0.5	19.9± 0.5	
16000ppm	17.9± 0.6	14.8± 0.3**	-	-	
	nce; *: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett	
AN260)					

APPENDIX B 1

FOOD CONSUMPTION CHANGES: SUMMARY, MOUSE: MALE

ANIMAL : MOUSE BDF1
UNIT : g

REPORT TYPE : A1 2

SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 1

oup Name	Administration	week-day(effective)	- The state of the	
	1-7(7)	2-7(7)		
Control	4.4± 0.4	4.3± 0.2		
1000ppm	4.2± 0.4	4.2± 0.3		
2000ppm	4.3± 0.3	4.3± 0.3		
4000ppm	4.3± 0.3	4.2± 0.2		
8000ppm	4.0± 0.3*	4.6± 0.5		
16000ppm	3.4± 0.2**	4.1± 0.3		
Significant difference	; *: P ≤ 0.05	**: P ≤ 0.01	Test of Dunnett	

(HAN260)

APPENDIX B 2

FOOD CONSUMPTION CHANGES: SUMMARY, MOUSE: FEMALE

ANIMAL : MOUSE BDF1 UNIT : g

REPORT TYPE : A1 2

SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

SLA · FERREE			PAGE:
Group Name	Administration 1-7(7)	week-day(effective) 2-7(7)	
		7-14	
Control	3.6± 0.2	3.7± 0.2	
1000ppm	3.7± 0.3	3.7± 0.3	
2000ppm	3.7± 0.3	3.8± 0.3	
4000ppm	3.9± 0.3*	3.5± 0.2	
8000pm	3.5± 0.3	3.6± 0.2	
16000ppm	-	-	
Significant differe	ence; *: P ≤ 0.05	**: P ≤ 0.01	Test of Dunnett

(HAN260)

APPENDIX C 1

HEMATOLOGY: SUMMARY, MOUSE: MALE

STUDY NO.: 0230 ANIMAL : MOUSE BDF1

SAMPLING DATE: 002-7

HEMATOLOGY (SUMMARY)
SURVIVAL ANIMALS (2)

SEX : MALE

REPORT TYPE : A1

PAGE: 1

OUP Name	NO. of Animals	RED BLOOD CEL 1 06/με	L HEMOGLOBIN g/dl	HEMATOCRIT %	MCV f Q	MCH Pg	MCHC g∕dl	PLATELET 1 O³/μ¢
Control	5	10.19± 0.09	15.5± 0.2	47.1± 0.7	46.2± 0.3	15.3± 0.1	33.0± 0.5	1201± 47
1000ppm	5	10.61± 0.28	16.4± 0.4	49.1± 1.3	46.2± 0.3	15.4± 0.2	33.4± 0.6	1193± 138
2000ppm	5	10.30± 0.45	16.0± 0.7	47.7± 1.7	46.3± 0.7	15.5± 0.2	33.5± 0.4	1126± 88
4000ppm	5	10.52± 0.59	16.2± 0.9	48.9± 2.3	46.5± 0.8	15.4± 0.1	33.1± 0.7	1221± 237
8000ppm	5	10.43± 0.37	16.1± 0.6	48.9± 1.1	46.9± 0.7	15.4± 0.2	32.8± 0.5	1187± 167
16000ppm	5	10.34± 0.39	15.8± 0.3	47.2± 1.2	45.6± 0.7	15.3± 0.4	33.5± 0.5	1422± 81
Significant	difference;	*: P ≤ 0.05	**: P ≤ 0.01	· · · · · · · · · · · · · · · · · · ·	Test of Dunnett			
CL070)								

ANIMAL : MOUSE BDF1 SAMPLING DATE: 002-7

SEX : MALE

HEMATOLOGY (SUMMARY) SURVIVAL ANIMALS (2)

REPORT TYPE : A1

Group Name	NO. of Animals	WBC 1 O³/µ		Dif N-BAND	fferentia	al WBC (% N-SEG	6)	EOSINO		BASO		MONO		LYMPHO		OTHERS	
Control	5	1.70±	0.67	1±	1	10±	1	1±	1	0±	0	2±	1	86±	1	0±	0
1000ppm	5	1.58±	0.74	0±	1	10±	4	1±	1	0±	0	2±	2	87±	4	0±	0
2000ppm	5	2.15±	1.03	1±	1	10±	2	1±	1	0±	0	2±	1	87±	3	0±	1
4000ppm	5	2.19±	1.48	0±	1	13±	7	2±	1	0±	0	2±	1	83±	8	0±	0
8000ppm	5	1.23±	0.52	1±	2	12±	6	1±	1	0±	0	2±	1	85±	5	0±	0
16000ppm	5	0.93±	0.33	0±	0	11±	5	0±	1	0±	0	3±	1	85±	6	0±	0
Significan	t difference;	*: P ≤	0.05	**: P ≦	0.01			Test	of Dunr	ett						-	

PAGE: 2

(HCL070) BAIS 3

APPENDIX C 2

HEMATOLOGY: SUMMARY, MOUSE: FEMALE

STUDY NO. : 0230 ANIMAL : MOUSE BDF1

HEMATOLOGY (SUMMARY) SURVIVAL ANIMALS (2)

SAMPLING DATE: 002-7 SEX: FEMALE

REPORT TYPE : A1

PAGE: 3

roup Name	NO. of Animals	RED BLOOD 1 06/µl		g∕dl HEMOGLO	BIN	HEMATOC %	CRIT	MCV f &	•	MCH pg		g∕dl MCHC		PLATELE 1 0 ³ /i	
Control	5	10.16± 0).40	15.4±	0.4	46.3±	1.8	45.5±	0.6	15.2±	0.2	33.3±	0.7	922±	129
1000ppm	5	10.47士 0	.53	16.0±	0.7	48.4±	2.5	46.2±	0.6	15.3±	0.1	33.2±	0.4	1156±	23**
2000ppm	5	10.54± 0	35	16.2±	0.5	49.0±	1.8	46.5±	0.8	15.4±	0.4	33.0±	0.7	1156±	94**
4000ppm	5	10.63± 0	.28	16.2±	0.6	49.1±	1.5	46.2±	0.5	15.3±	0.4	33.0±	0.5	1152±	89**
mqq0008	5	10.42± 0	0.36	16.0±	0.7	47.7±	2.0	45.8±	0.7	15.3±	0.2	33.4±	0.4	1325±	109**
16000ppm	0			-		-		-				-		-	
Significant	difference;	*: P ≤ 0.0	05	**: P ≤ 0.0	1			Test of Dur	nett						

(HCL070)

ANIMAL : MOUSE BDF1

SAMPLING DATE: 002-7 SEX: FEMALE

REPORT TYPE : A1

HEMATOLOGY (SUMMARY) SURVIVAL ANIMALS (2)

PAGE: 4 Group Name NO. of WBC Differential WBC (%) Animals 1 03/με N-BAND N-SEG EOSINO BASO MONO LYMPHO OTHERS Control 5 1.79± 0.72 0± 8士 2 $1\pm$ 0± 0 $2\pm$ 1 89± 3 0± 0 1000ppm 5 2.25± 1.04 0土 0 8± 2 1± 1 0± 0 $2\pm$ 1 88± 0土 0 2000ppm 5 2.25 ± 0.78 0土 0 11± 1± 1 0士 0 $3\pm$ 1 85± 5 0± 0 4000ppm 5 1.94± 0.40 1± 11± 7 1± 1 0± 0 2士 86± 8 0± 0 8000ppm 5 1.82± 0.93 0土 1 9± 4 1土 0土 $2\pm$ $87 \pm$ 0土 0 16000ppm 0 Significant difference; *: P ≤ 0.05 **: $P \leq 0.01$ Test of Dunnett (HCL070)

APPENDIX D 1

BIOCHEMISTRY: SUMMARY, MOUSE: MALE

ANIMAL : MOUSE BDF1
SAMPLING DATE : 003-1

SEX : MALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY) SURVIVAL ANIMALS (2)

PAGE: 1

TOUR Name	NO. of Animals	TOTAL P	ROTEIN	ALBUMIN g∕dl		A/G RAT	10	T-BILI mg/dl		GLUCOSE mg/dl		T-CHOLE	STEROL	GOT IU/l	
Control	5	5.2±	0.2	2.8±	0.1	1.2±	0.0	0.30±	0.07	302±	14	95±	10	34±	1
1000ppm	5	5.1±	0.2	2.8±	0.1	1.3±	0.1	0.36±	0.14	270±	57	83±	9	35±	6
2000ppm	5	4.9±	0.2	2.8±	0.1	1.3±	0.1	0.36±	0.08	292±	18	83±	7	35±	4
4000ppm	5	5.1±	0.5	2.8±	0.3	1.2±	0.1	0.36±	0.10	281±	39	89±	17	39±	3
8000ppm	5	5.0±	0.4	2.9±	0.3	1.3±	0.1	0.33±	0.06	305±	22	98±	7	36±	5
16000ppm	5	4.9±	0.2	2.8±	0.1	1.3±	0.0	0.32±	0.04	292±	20	87±	11	36±	5

(HCL074)

ANIMAL : MOUSE BDF1
SAMPLING DATE : 003-1

SEX : MALE

REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY) SURVIVAL ANIMALS (2)

EX: MALE	REPORT T	YPE : A1													PAGE: 2
roup Name	NO. of Animals	GPT IU∕Ø		LDH IU/	2	CPK IU/&		UREA NI mg/dl	TROGEN	SODIUM mEq/Q		POTASSI mEq/		CHLORIDE mEq/Q	
Control	5	13±	1	217±	33	86±	26	19.0±	4.9	153±	2	4.7±	0.1	120±	2
1000ppm	5	13±	1	216±	47	78±	26	20.3±	4.5	153±	1	4.3±	0.5	121±	1
2000ppm	5	13±	2	221±	83	100±	70	21.0±	3.6	152±	1	4.3±	0.5	119±	2
4000ppm	5	15±	2	279±	78	108±	74	21.8±	4.8	154±	2	4.3±	0.6	121±	2
8000ppm	5	14±	6	299±	195	133±	79	18.5±	3.7	155±	1	4.4±	0.3	121±	1
16000ppm	5	13±	1	231±	56	98±	23	16.3±	1.1	154±	1	4.2±	0.3	121±	1
Significant	defference;	*: P ≤ 0.	05	**: P ≤ 0.0	1			Test of Duni	nett						

(HCL074)

ANIMAL : MOUSE BDF1

SAMPLING DATE : 003-1 SEX : MALE

REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY) SURVIVAL ANIMALS (2)

		•	THOROUGH		
NO. of Animals	mg/dl CALCIUM	····	INORGAN mg/dl	PHOSPHORUS	
5	9.2±	0.1	9.0±	1.2	
5	8.9±	0.4	8.3±	0.9	
5	9.0±	0.2	8.6±	2.1	
5	9.3±	0.7	9.4±	1.2	
5	8.9±	0.4	10.0±	1.4	
5	9.0±	0.5	9.5±	0.9	
	5 5 5 5	5 9.2± 5 8.9± 5 9.0± 5 9.3± 5 8.9±	5 9.2± 0.1 5 8.9± 0.4 5 9.0± 0.2 5 9.3± 0.7 5 8.9± 0.4	5 9.2± 0.1 9.0± 5 8.9± 0.4 8.3± 5 9.0± 0.2 8.6± 5 9.3± 0.7 9.4± 5 8.9± 0.4 10.0±	5 9.2± 0.1 9.0± 1.2 5 8.9± 0.4 8.3± 0.9 5 9.0± 0.2 8.6± 2.1 5 9.3± 0.7 9.4± 1.2 5 8.9± 0.4 10.0± 1.4

(HCL074)

APPENDIX D 2

BIOCHEMISTRY: SUMMARY, MOUSE: FEMALE

BIOCHEMISTRY (SUMMARY) SURVIVAL ANIMALS (2)

ANIMAL : MOUSE BDF1
SAMPLING DATE : 003-1

SEX : FEMALE

REPORT TYPE : A1

PAGE: 4

Toup Name	NO. of Animals	TOTAL P	PROTEIN	g∕dø ALBUMIN		A/G RAT	10	T-BILI mg/dl		GLUCOSE mg∕dl		T-CHOLES mg∕dl	STEROL	GOT IU/Q	
Control	5	5.1±	0.2	3.0±	0.1	1,5±	0.1	0.38±	0.08	297±	66	81±	5	42±	6
1000ppm	5	5.2±	0.3	3.2±	0.2	1.6±	0.2	0.33±	0.11	278±	47	79±	12	45±	4
2000ppm	5	5.3±	0.1	3.2±	0.1	1.6±	0.1	0.27±	0.20	253±	29	72±	4	47±	6
4000ppm	5	5.3±	0.3	3.3±	0.2	1.6±	0.1	0.29±	0.12	268±	37	81±	2	46±	10
8000ppm	5	5.2±	0.5	3.2±	0.3	1.5±	0.1	0.36±	0.15	286±	31	89±	9	42±	4
16000ppm	0	-		-		-		-		-		-		-	

(HCL074)

ANIMAL : MOUSE BDF1 SAMPLING DATE: 003-1

SEX : FEMALE

REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY) SURVIVAL ANIMALS (2)

															PAGE:
Group Name	NO. of Animals	GPT IU/G).	LDH I U/	0	CPK I U/S	2	UREA N mg/dl		SODIUM mEq/Q		POTASS: mEq/		CHLORIDE mEq/Q	
Control	5	13±	3	293±	161	120±	62	18.7±	1.6	153±	2	4.6±	0.9	120±	2
1000ppm	5	16±	5	260±	37	89±	47	19.4±	3.3	156±	4	4.5±	1.0	122±	2
2000ppm	5	17±	3	329±	99	162±	45	17.8±	1.9	154±	2	5.1±	1.2	121±	3
4000ppm	5	17±	2	304±	65	108±	43	16.6±	2.1	156±	3	4.7±	0.5	122±	2
8000ppm	5	14土	4	317±	109	122±	66	15.9±	2.0	155±	2	4.7±	1.0	121±	2
16000ppm	0	-		-		-		-		-		-		-	
Significant	defference;	*: P ≤ 0.	.05	**: P ≤ 0.0	1			Test of Dur	nett						

(HCL074)

STUDY NO.: 0230
ANIMAL: MOUSE BDF1
SAMPLING DATE: 003-1

BIOCHEMISTRY (SUMMARY) SURVIVAL ANIMALS (2)

SEX : FEMALE REPORT TYPE : A1

Group Name	NO. of Animals	Mg∕dl mg∕dl	M	INORGANIC PHOSPHOI	PAGE: 6
Control	5	8.9±	0.5	8.3± 1.3	
1000ppm	5	9.1±	0.7	7.7± 2.1	
2000ppm	5	9.1±	0.4	10.3± 2.1	
4000ppm	5	9.2±	0.3	9.0± 2.4	
8000ppm	5	8.9±	0,5	8.4± 0.9	
16000ppm	0	-		-	
Significant o	defference ;	*: P ≤ 0.	.05	** : P ≤ 0.01	Test of Dunnett
HCL074)					BAIS 3

APPENDIX E 1

GROSS FINDINGS: SUMMARY, MOUSE: MALE: SACRIFICED ANIMALS

ANIMAL : MOUSE BDF1

REPORT TYPE : A1
SEX : MALE

GROSS FINDINGS (SUMMARY)

SACRIFICED ANIMALS (2W)

0rgan	Findings	Group Name NO. of Animals	Control 10 (%)	1000ppm 10 (%)	2000ppm 10 (%)	4000ppm 10 (%)
pleen	black zone		0 (0)	1 (10)	1 (10)	0 (0)
dney	hydronephrosis		0 (0)	0 (0)	0 (0)	1 (10)

PAGE: 1

ANIMAL : MOUSE BDF1

REPORT TYPE : A1 SEX : MALE GROSS FINDINGS (SUMMARY) SACRIFICED ANIMALS (2W)

Organ	Findings	Group Name 8000ppm NO. of Animals 10 (%)	16000ppm 5 (%)	
spleen	black zone	1 (10)	0 (0)	
kidney	hydronephrosis	0 (0)	0 (0)	
(HPT080)				BAIS3

PAGE: 2

APPENDIX E 2

GROSS FINDINGS: SUMMARY, MOUSE: FEMALE: SACRIFICED ANIMALS

ANIMAL : MOUSE BDF1

GROSS FINDINGS (SUMMARY) SACRIFICED ANIMALS (2W)

REPORT TYPE : A1

SEX : FEMALE

PAGE: 3

Organ	Findings	Group Name NO. of Animals	Control 10 (%)	1000ppm 10 (%)	2000ppm 10 (%)	4000ppm 10 (%)
spleen	black zone		1 (10)	1 (10)	0 (0)	0 (0)
(HPT080)						BAIS3

STUDY NO. : 0230
ANIMAL : MOUSE BDF1
REPORT TYPE : A1

GROSS FINDINGS (SUMMARY) SACRIFICED ANIMALS (2W)

SEX	: FEMALE	****	wa-t		PAGE: 4
Organ	Findings	Group Name NO. of Animals	8000ppm 10 (%)	16000ppm 0 (%)	
spleen	black zone		1 (10)	- (-)	
(HPT080)					BAIS 3

APPENDIX F 1

ORGAN WEIGHT, ABSOLUTE: SUMMARY, MOUSE: MALE

ANIMAL : MOUSE BDF1
REPORT TYPE : A1

SEX : MALE UNIT: g ORGAN WEIGHT: ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (2)

PAGE: 1

roup Name	NO. of Animals	Body	Weight	ТНҮМ Т	IS	ADRE	NALS	TEST	ES	HEAR	ľ	LUNG	S	
Control	5	25.4±	1.7	0.059±	0.007	0.008±	0.003	0.170±	0.021	0.136±	0.006	0.138±	0.014	
1000ppm	5	23.9±	1.6	0.042±	0.015	0.009±	0.003	0.168±	0.021	0.126±	0.014	0.128±	0.013	
2000ppm	5	24.5±	1.1	0.038±	0.005	0.008±	0.002	0.165±	0.018	0.127±	0.009	0.133±	0.008	
4000ppm	5	25.2±	1.1	0.042±	0.008	0.009±	0.002	0.166±	0.029	0.135±	0.017	0.149±	0.012	
8000ppm	5	25.0±	2.0	0.036±	0.008	0.008±	0.003	0.169±	0.007	0.120±	0.010	0.150±	0.017	
16000ppm	5	22.4±	1.6	0.021±	0.002**	0.008±	0.001	0.148±	0.005	0.121±	0.005	0.150±	0.016	
Significant	t difference ;	*: P ≤ 0	.05 **	: P ≤ 0.01			Test	of Dunnett	,					

(HCL040)

ANIMAL : MOUSE BDF1

REPORT TYPE: A1 SEX: MALE UNIT: g ORGAN WEIGHT: ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (2)

roup Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN	
Control	5	0.372± 0.025	0.054± 0.004	1.296± 0.130	0.440± 0.020	
1900ppm	5	0.379± 0.021	0.047± 0.012	1.179± 0.171	0.438± 0.015	
2000ppm	5	0.383± 0.027	0.049± 0.005	1.255± 0.079	0.446± 0.019	
4000ppm	5	0.459± 0.179	0.054± 0.019	1.299± 0.113	0.440± 0.019	
mqq0008	5	0.384± 0.029	0.046± 0.006	1.370± 0.187	0.443± 0.008	
16000ppm	5	0.374± 0.027	0.036± 0.003**	1.345± 0.083	0.446± 0.013	

(HCL040)

BAIS 3

PAGE: 2

APPENDIX F 2

ORGAN WEIGHT, ABSOLUTE: SUMMARY, MOUSE: FEMALE

ANIMAL : MOUSE BDF1 REPORT TYPE : A1

REPORT TYPE : SEX : MALE UNIT: % ORGAN WEIGHT: RELATIVE (SUMMARY)
SURVIVAL ANIMALS (2)

PAGE: 1

iroup Name	NO. of Animals	Body Weight (g)	THYMUS	ADRENALS	TESTES	HEART	LUNGS	
Control	5	25.4± 1.7	0.233± 0.036	0.030± 0.010	0.671± 0.091	0.537± 0.018	0.543± 0.062	
1000ppm	5	23.9± 1.6	0.174± 0.051*	0.036± 0.009	0.703± 0.096	0.524± 0.034	0.535± 0.027	
2000ppm	5	24.5± 1.1	0.157± 0.025**	0.033± 0.010	0.671± 0.068	0.520± 0.032	0.543± 0.050	
4000ppm	5	25.2± 1.1	0.167± 0.028*	0.037± 0.007	0.656± 0.095	0.536± 0.058	0.594± 0.061	
mqq0008	5	25.0± 2.0	0.143± 0.029**	0.032± 0.011	0.680± 0.059	0.481± 0.022	0.599± 0.050	
16000ppm	5	22.4± 1.6	0.095± 0.009**	0.036± 0.005	0.661± 0.030	0.543± 0.027	0.669± 0.055**	
Significan	t difference ;	*: P ≤ 0.05 **	: P ≤ 0.01	Tes	t of Dunnett			

(HCL042)

STUDY NO. : 0230 ANIMAL : MOUSE BDF1

REPORT TYPE : A1
SEX : MALE
UNIT: %

ORGAN WEIGHT: RELATIVE (SUMMARY) SURVIVAL ANIMALS (2)

PAGE: 2

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN	
Control	5	1.464± 0.080	0.213± 0.012	5.093± 0.334	1.734± 0.105	
1000ppm	5	1.585± 0.094	0.193± 0.040	4.912± 0.480	1.836± 0.092	
2000ppm	5	1.560± 0.068	0.200± 0.021	5.124± 0.389	1.819± 0.082	
4000ppm	5	1.823± 0.713	0.216± 0.077	5.155± 0.338	1.749± 0.077	
8000ppm	5	1.538± 0.060	0.183± 0.025	5.461± 0.337	1.777± 0.122	
16000ppm	5	1.668± 0.077	0.161± 0.016	6.004± 0.123**	1.993± 0.090**	
Significant	difference;	*: P ≤ 0.05 **:	P ≤ 0.01	Test	of Dunnett	

(HCL042)

BAIS 3

APPENDIX G 1

ORGAN WEIGHT, RELATIVE : SUMMARY, MOUSE : MALE (2-WEEK STUDY)

ANIMAL : MOUSE BDF1

REPORT TYPE : A1
SEX : FEMALE
UNIT: g

ORGAN WEIGHT: ABSOLUTE (SUMMARY) SURVIVAL ANIMALS (2)

PAGE: 3

roup Name	NO. of Animals	Body Weight	THYMUS	ADRENALS	OVARIES	HEART	LUNGS	
Control	5	20.7± 1.8	0.067± 0.014	0.011± 0.003	0.015± 0.005	0.110± 0.012	0.126± 0.014	
1000ppm	5	21.3± 1.2	0.079± 0.010	0.011± 0.002	0.016± 0.003	0.113± 0.007	0.136± 0.009	
2000ppm	5	20.3± 0.8	0.074± 0.010	0.010± 0.001	0.014± 0.003	0.117± 0.007	0.138± 0.006	
4000ppm	5	20.7± 0.7	0.065± 0.007	0.011± 0.002	0.012± 0.004	0.110± 0.011	0.133± 0.019	
8000ppm	5	20.0± 0.7	0.044± 0.003**	0.010± 0.002	0.015± 0.006	0.101± 0.005	0.136± 0.013	
16000ppm	0	-	-	-	-	-	-	
Significant	t difference;	*: P ≤ 0.05 **	: P ≤ 0.01	Test	of Dunnett			

(HCL040)

BAIS 3

ANIMAL : MOUSE BDF1
REPORT TYPE : A1
SEX : FEMALE UNIT: g

ORGAN WEIGHT: ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (2)

PAGE: 4

roup Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN	
Contral	5	0.270± 0.021	0.058± 0.006	0.972± 0.116	0.440± 0.010	
1000ppm	5	0.268± 0.014	0.056± 0.009	1.037± 0.132	0.439± 0.008	
2000ppm	5	0.257± 0.012	0.057± 0.002	1.055± 0.070	0.441± 0.012	
4000ppm	5	0.260± 0.015	0.057± 0.008	1.045± 0.075	0.440± 0.021	
8000ppm	5	0.266± 0.018	0.046± 0.006	1.103± 0.039	0.438± 0.010	
16000ppm	0	-		-	-	
Significant	difference;	*: P ≤ 0.05	**: P ≤ 0.01	Te	est of Dunnett	

(HCL040)

BAIS3

APPENDIX G 2

ORGAN WEIGHT, RELATIVE : SUMMARY, MOUSE : FEMALE (2-WEEK STUDY)

ANIMAL : MOUSE BDF1
REPORT TYPE : A1

SEX : FEMALE UNIT: %

ORGAN WEIGHT: RELATIVE (SUMMARY) SURVIVAL ANIMALS (2)

PAGE: 3

roup Name	NO. of Animals	Body Weight (g)	THYMUS	ADRENALS	OVARIES	HEART	LUNGS	
Control	5	20.7± 1.8	0.326± 0.053	0.052± 0.016	0.071± 0.021	0.534± 0.065	0.611± 0.070	
1000ppm	5	21.3± 1.2	0.371± 0.056	0.052± 0.009	0.076± 0.015	0.532± 0.060	0.641± 0.053	
2000ppm	5	20.3± 0.8	0.367± 0.058	0.051± 0.005	0.068± 0.016	0.575± 0.037	0.680± 0.034	
4000ppm	5	20.7± 0.7	0.313± 0.028	0.053± 0.010	0.059± 0.023	0.530± 0.041	0.644± 0.095	
8000pm	5	20.0± 0.7	0.222± 0.011**	0.048± 0.011	0.076± 0.031	0.506± 0.025	0.681± 0.063	
16000ppm	0	-	-	-	-	-	-	
Significant	difference;	*: P ≤ 0.05 **	: P ≤ 0.01	Tes	t of Dunnett			

(HCL042)

BAIS 3

STUDY NO. : 0230 ANIMAL : MOUSE BDF1

REPORT TYPE: A1
SEX: FEMALE
UNIT: %

ORGAN WEIGHT: RELATIVE (SUMMARY)
SURVIVAL ANIMALS (2)

PAGE: 4

oup Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN	
Control	5	1.307± 0.039	0.283± 0.032	4.699± 0.333	2.139± 0.143	
1000pm	5	1.260± 0.070	0,263± 0,034	4.855± 0.404	2.067± 0.132	
2000ppm	5	1.268± 0.053	0.281± 0.017	5.199± 0.354	2.173± 0.066	
4000ppm	5	1.256± 0.064	0.274± 0.041	5.050± 0.243	2.127± 0.092	
8000ppm	5	1.330± 0.098	0.232± 0.028	5.525± 0.188**	2.193± 0.061	
16000ppm	0	-	-	-	-	

(HCL042)

BAIS3

APPENDIX H 1

HISTOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS: SUMMARY

MOUSE: MALE: DEAD AND MORIBUND ANIMALS

(2-WEEK STUDY)

ANIMAL : MOUSE BDF1

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

DEAD AND MORIBUND ANIMALS (0- 2W)

PAGE: 1

Organ	Findings	Group Name No. of Animal Grade	Control s on Study 0 1 2 3 4 (%) (%) (%) (%)	1000ppm 0 1 2 3 4 (%) (%) (%) (%)	2000ppm 0 1 2 3 4 (%) (%) (%) (%)	4000ppm 0 1 2 3 4 (%) (%) (%) (%)
[Respirato	ory system]					
lung	hemorrhage		< 0>	< 0>	< 0>	< 0>
	richor i riage		(-) (-) (-) (-)	(-) (-) (-) (-)	(-) (-) (-) (-)	(-) (-) (-)
Grade <a> b (c)	1: Slight 2: Moderate a: Number of animals examined a b: Number of animals with lesion c: b/a * 100		4 : Severe			
(HPT150)				74 PM 1974		BAI

ANIMAL : MOUSE BDF1

REPORT TYPE : A1 SEX

HISTOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY) DEAD AND MORIBUND ANIMALS (0- 2W)

: MALE PAGE: 2 Group Name 8000ppm 16000ppm No. of Animals on Study 0 1 Grade Findings_ (%) (%) [Respiratory system] lung < 1> 1 0 0 0 hemorrhage (-) (-) (-) (100) (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) BAIS3

APPENDIX H 2

HISTOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS: SUMMARY

MOUSE: MALE: SACRIFICED ANIMALS

(2-WEEK STUDY)

HISTOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)

ANIMAL : MOUSE BDF1
REPORT TYPE : A1

SEX : MALE

SACRIFICED ANIMALS (2W)

PAGE: 1

Organ	Findings	Group Name No. of Anima Grade	als on Study $\frac{1}{(\%)}$	Cont 2 2 (%)		<u>4</u> (%)	<u>1</u> (%)	2 (%)	0ppm 2 3 (%)	<u>4</u> (%)	1 (%)	20(%)	00ppm 2 3 (%)	<u>4</u> (%)	<u>-1</u>	4000 2 2 (%)		<u>4</u> (%)
[Hematonois	etic system]						- (-) (-) (-) (-)	-					- · · · · · · · · · · · · · · · · · · ·			 		
	Stro System																	
spleen				< 2					2>			<	2>			< 2	>	
	melanin		(0)	(0)	0 (0)	(0)	(0)	(0)	(0)	0 (0)	(0)	(0)		0 (0)	0)	0) (0 (0)	(0)
Grade	1: Slight 2: Modera	ate 3: Marked	4 : Severe						···							 		
(a)	a : Number of animals exami																	
b	b: Number of animals with	Lesion																

STUDY NO. : 0230 ANIMAL

: MOUSE BDF1

HISTOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)

SACRIFICED ANIMALS (2W)

REPORT TYPE : A1 SEX : MALE

PAGE: 2 Group Name 8000ppm 16000ppm No. of Animals on Study 2 1 Grade Findings_ (%) (%) [Hematopoietic system] spleen < 2> < 1> melanin 1 0 0 0 0 0 0 0 (50) (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(HPT150) BAIS3

APPENDIX H 3

HISTOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS: SUMMARY

MOUSE: FEMALE: DEAD AND MORIBUND ANIMALS

(2-WEEK STUDY)

ANIMAL : MOUSE BDF1

HISTOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
DEAD AND MORIBUND ANIMALS (0- 2W)

PAGE: 3

REPORT TYPE : A1

SEX : FEMALE

Organ	Group N Na. of Grade	ame Control Animals on Study 0 1 2 3 4 (%) (%) (%) (%)	1000ppm 0 1 2 3 4 (%) (%) (%) (%)	2000ppm 0 1 2 3 4 (%) (%) (%) (%)	4000ppm 0 1 2 3 4 (%) (%) (%) (%)
[Digestive	system]				
liver	forthy change control	< 0>	< 0>	< 0>	< 0>
.1061	fatty change:central	(-) (-) (-) (-)	(-) (-) (-) (-)	(-) (-) (-) (-)	(-) (-) (-) (-)
Grade <a> b (c)	1: Slight 2: Moderate 3: Marke a: Number of animals examined at the site b: Number of animals with lesion c: b/a * 100	d 4: Severe			
(HPT150)					В

STUDY NO. : 0230 ANIMAL : MOUSE BDF1

REPORT TYPE : A1

HISTOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)

DEAD AND MORIBUND ANIMALS (0- 2W)

SEX	: FEMALE			PAGE: 4
Organ	Findings	Group Name 8000ppm No. of Animals on Study 0 Grade 1 2 3 4 (%) (%) (%) (%)	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
[Digestive	ə system]			
Liver	fatty change:central	< 0> (-) (-) (-) (-)	<pre></pre>	
Grade <a> b (c)	1: Slight 2: Moderate a: Number of animals examined at the b: Number of animals with lesion c: b/a * 100	3 : Marked 4 : Severe site		
(HPT150)				BAISS

APPENDIX H 4

HISTOLOGICAL FINDINGS: NON-NEOPLASTIC LESIONS: SUMMARY

MOUSE: FEMALE: SACRIFICED ANIMALS

(2-WEEK STUDY)

ANIMAL : MOUSE BDF1

REPORT TYPE : A1 SEX : FEMALE HISTOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY) SACRIFICED ANIMALS (2W)

	- Limbs	- Anna					PAGE: 3
Organ	_ Findings	Group Name No. of Animals on Study Grade 1 (%)	Control 2 2 3 (%) (%)	(%)	1000ppm 2 1 2 3 4 (%) (%) (%) (%)	2000ppm 2 1 2 3 4 (%) (%) (%) (%)	4000ppm 2 1 2 3 4 (%) (%) (%) (%)
[Urinary s	system]						
kidney	basophilic change	0 (0)	< 2> 0 0 (0) (0)	0 (0)	2> 1 0 0 0 (50) (0) (0) (0)	<pre></pre>	<pre></pre>
Grade (a) b (c)	1: Slight 2: Moderate a: Number of animals examined at the b: Number of animals with lesion c: b/a * 100	3 : Marked 4 : Severe site	1				
(HPT150)	- Marine - Anna - A						BAIS3

ANIMAL : MOUSE BDF1

REPORT TYPE : A1

HISTOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY) SACRIFICED ANIMALS ($2\emptyset)$

SEX	: FEMALE		PAGE: 4
Organ	_ Findings	Group Name 8000ppm 16000ppm No. of Animals on Study 2 0 Grade 1 2 3 4 1 2 3 4 (%) (%) (%) (%) (%) (%) (%) (%) (%)	
[Urinary s	evstem]		
kidney	basophilic change	<pre></pre>	
Grade <a> b (c)	1: Slight 2: Moderate a: Number of animals examined at th b: Number of animals with lesion c: b/a * 100	3 : Marked 4 : Severe e site	
(IIPT150)			BAIS3

APPENDIX I 1

IDENTITY OF DICHLOROMETHANE IN THE 2-WEEK INHALATION STUDY

IDENTITY OF DICHLOROMETHANE IN THE 2-WEEK INHALATION STUDY

Lot No. APR5259

1. Spectral data

Mass Spectrometry

Instrument

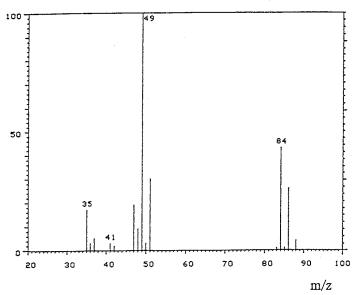
: Hitachi M-80B Mass Spectrometer

Ionization

: EI(Electron Ionization)

Ionization Voltage

: 70eV



Mass Spectrum of Test Substance

Results: The mass spectrum was consistent with literature spectrum.

Determined Values	<u>Literature Values</u> *
Fragment Peak(m/z)	Fragment Peak(m/z)
0.5	
35	35
49	49
84	84

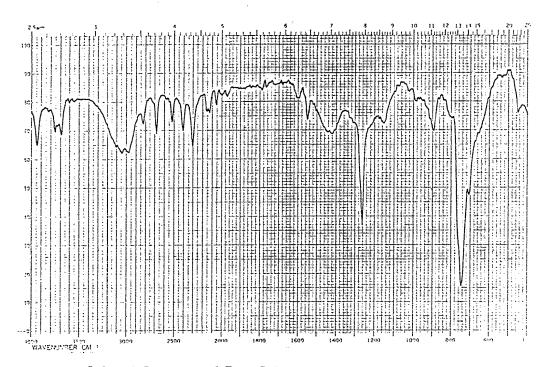
(*EPA/NIH Mass Spectral Data Base (1978) Vol. 1, p. 33.)

Infrared Spectrometry

Instrument : Hitachi 270-30 Infrared Spectrometer

Cell : KBr Liquid Cell

Slit : Medium



Infrared Spectrum of Test Substance

Results: The infrared spectrum was consistent with literature spectrum.

Data	*
<u>Determined Values</u>	<u>Literature Values</u> *
Wave Number(cm ⁻¹)	Wave Number(cm ⁻¹)
430~ 480	
650~ 840	650~ 850
870~ 940	870~ 940
970~1000	970~1000
1120~1180	1130~1180
1200~1340	1200~1350
1370~1500	1380~1500
1530~1570	1540~1570
1580~1630	1580~1630
2040~2090	2050~2090
2100~2190	2120~2190
2250~2360	2280~2370
2380~2460	2400~2460
2500~2550	2500~2560
2650~2730	2650~2730
2800~2860	2800~2860
2900~3200	2900~3200
3650~3730	3670~3750
3730~3800	3750~3800
3900~4000	3900~4000
	2000 1000

(*Performed by the WAKO PURE CHEMICAL INDUSTRIES, LTD.)

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

APPENDIX I 2 STABILITY OF DICHLOROMETHANE IN THE 2-WEEK INHALATION STUDY

CONCENTRATION OF DICHLOROMETHANE IN INHALATION CHAMBER

Group Name	Concentration(ppm) $Mean \pm S.D.$
Control	0.0 ± 0.0
1,000ppm	$1,007.8 \pm 12.6$
2,000ppm	$2,010.3 \pm 13.8$
4,000ppm	$4,027.3 \pm 29.8$
8,000ppm	$7,955.6 \pm 149.2$
16,000ppm	$16,014.1 \pm 113.9$

APPENDIX J 1

CONCENTRATION OF DICHLOROMETHANE IN THE INHALATION CHAMBER OF THE 2-WEEK INHALATION STUDY

STABILITY OF DICHLOROMETHANE IN THE 2-WEEK INHALATION STUDY

Lot No. APR5259

1. Sample: This lot was used from 1993.4.27 to 1993.5.10. Test substance was stored in a dark place at room temperature.

2. Infrared Spectrometry

Instrument

: Hitachi 270-30 Infrared Spectrometer

Cell

: KBr Liquid Cell

Slit

: Medium

Results: The result of infrared spectrum did not change when before and after the lot of study.

1993.04.07(date analyzed)	1993.05.12(date analyzed)
Wave Number(cm ⁻¹)	Wave Number(cm ⁻¹)
430~ 480	430~ 480
650~ 840	650~ 840
870~ 940	870~ 940
970~1000	970~1000
1120~1180	1120~1180
1200~1340	1200~1340
1370~1500	1370~1500
1530~1570	1530~1570
1580~1630	1580~1630
2040~2090	2040~2090
2100~2190	2100~2190
2250~2360	2250~2360
2380~2460	2380~2460
2500~2550	2500~2550
2650~2730	2650~2730
2800 ~ 2860	2800~2860
2900~3200	2900~3200
3650~3730	3650 ~ 3730
3730~3800	3730~3800
3900~4000	3900~4000

3. Gas Chromatography

Instrument

: Hewlett Packard 5890A Gas Chromatograph

Column

: Methyl Silicone(0.2 mm $\phi \times 50$ m)

Column Temperature : 60 °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) and one impurity (peak No.2 < 1% of total area) analyzed at 1993.4.7 and one major peak (peak No.1) and one impurity (peak No.2 < 1% of total area) analyzed at 1993.5.12. No new trace impurity peak in the test substance analyzed at 1993.5.12 was detected.

Date late analyzed)	Peak No.	Retention Time(min)	Area Count
1993.04.07	1	3.303	65203
	2	3.41	8
1993.05.12	1	3.305	64019
	2	3.407	10

^{4.} Conclusions: The test substance was stable for about 5 weeks in a dark place at room temperature.

APPENDIX J 2

ENVIRONMENTAL CONDITIONS OF INHALATION CHAMBER
IN THE 2-WEEK INHALATION STUDY OF DICHLOROMETHANE

ENVIRONMENTAL CONDITIONS OF INHALATION CHAMBER IN THE 2-WEEK INHALATION STUDY OF DICHLOROMETHANE

Group Name	Temperature(°C) Mean ± S.D.	Humidity(%) Mean ± S.D.	Ventilation Rate(L/min) $Mean \pm S.D.$	Room Air Change(time/h) Mean
Control	21.9 ± 0.1	55.2 ± 0.6	103.8 ± 0.9	12.0
1,000ppm	21.9 ± 0.1	58.1 ± 0.6	103.9 ± 0.8	12.0
2,000ppm	21.6 ± 0.1	56.6 ± 0.5	103.1 ± 0.8	11.9
4,000ppm	21.8 ± 0.1	55.4 ± 0.4	104.6 ± 0.9	12.1
8,000ppm	22.8 ± 0.2	53.9 ± 0.6	104.1 ± 1.0	12.0
16,000ppm	21.6 ± 0.2	53.8 ± 0.9	104.3 ± 1.0	12.0

APPENDIX K 1

METHODS FOR HEMATOLOGY AND BIOCHEMISTRY IN THE 2-WEEK INHALATION STUDY OF DICHLOROMETHANE

METHODS FOR HEMATOLOGY AND BIOCHEMISTRY IN THE 2-WEEK INHALATION STUDY OF DICHLOROMETHANE

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	Michaelson method 3)
Glucose	Enzymatic method (HK·G-6-PDH) 3)
T-cholesterol	Enzymatic method (CEH·COD·POD) 3)
Glutamic oxaloacetic transaminase (GOT)	UV-Rate method 3)
Glutamic pyruvic transaminase (GPT)	UV-Rate method 3)
Lactate dehydrogenase (LDH)	UV·Rate method 3)
Creatine phosphokinase (CPK)	UV·Rate method 3)
Urea nitrogen	Enzymatic method (Urease·GLDH) 3)
Sodium	Flame photometry 4)
Potassium	Flame photometry 4)
Chloride	Coulometric titration 4)
Calcium	OCPC method 3)
Inorganic phosphorus	Enzymatic method (SPL·PGM·G—6—PDH) 3)

- 1) Automatic blood cell analyzer (Technicon H·1: Technicon Instruments Corporation, USA)
- 2) Automatic blood cell differential analyzer (Hitachi 8200 : Hitachi, Ltd., Japan)
- 3) Automatic analyzer (Hitachi 705 : Hitachi, Ltd., Japan)
- 4) Flame photometer (Hitachi 750: Hitachi, Ltd., Japan)

APPENDIX K 2

UNISTS AND DECIMAL PLACEFOR HEMAYOLOGY AND BIOCHEMISTRY IN THE 2-WEEK INHALATION STUDY OF DICHLOROMETHANE

UNITS AND DECIMAL PLACE FOR HEMATOLOGY AND BIOCHEMISTRY IN THE 2—WEEK INHALATION STUDY OF DICHLOROMETHANE

Item	Unit	Decimal place
Hematology		
Red blood cell (RBC)	× 10 °/μ 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
Glutamic oxaloacetic transminase (GOT)	IU/L	0
Glutamic pyruvic transaminase (GPT)	IU/L	0
Lactate dehydrogenase (LDH)	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