クロロホロムのラット及びマウスを用いた
吸入によるがん原性予備試験報告書

TABLES

TABLES

T A B L E S (CONTINUED)

TABLE 1 EXPERIMENTAL DESIGN AND MATERIALS AND METHODS IN THE INHALATION STUDIES OF CHLOROFORM

Two-week study	Thirteen-week Study
<Method of Administration>	
Inhalation	Inhalation
<Number of Group>	
Male 6, Female 6	Male 6, Female 6
<Size of Group>	
10 males and 10 females of each group	10 males and 10 females of each groups
<Animals>	
Strain and Species	
F344/Ducrj(Fischer)rat	F344/Ducrj(Fischer)rat
Crj:BDF_1 mouse	Crj:BDF_1 mouse
Animal Source	
Charles River Japan, Inc.	Charles River Japan, Inc.
Quarantine and Acclimation	
2 wk	2 wk
Age When Placed on Study	
6 wk old	6 wk old
Age When Killed	
8 wk old	19 wk old
<Doses>	
Rat--0, 500, 1000, 2000, 4000,8000ppm	Rat--0, 25, 50, 100, 200,400ppm
Mouse--0, 500, 1000, 2000, 4000,8000ppm	Mouse--0, 12, 25, 50, 100,200ppm
<Duration of Dosing>	
5d/wk for 2wk	5d/wk for 13wk
<Animal Maintenance>	
Feed	
CRF-1 (Oriental Yeast Co.,Ltd.) Sterilized by γ-ray Available *ad libitum*	Same as two-week study
Water	
Sterilized by ultraviolet rays Automatic watering system Available *ad libitum*	Same as two-week study
Animal per Cage	
Single (stainless steel wire)	Single (stainless steel wire)
Animal Room Environment	
Barrier system Temperature:24±2℃ Humidity :55±10% Fluorescent light 12h/d 15-17 room air changes /h	Same as two-week study
Chamber Environment	
Temperature:22~26℃ Humidity :45~70% Fluorescent light 12h/d 12±1 room air changes /h	Same as rwo-week study
<Type and Frequency of Observation>	
Clinical sign	
Observed 1 / d	Observed 1 / d
Body weight	
Weighed 0-0, 1-1, 1-7, and 2-7 (wk-d)	Weighed 1 / wk for 13wk
Food Consumption	
Weighed 1-7, 2-7 (wk-d)	Weighed 1 / wk for 13wk

TABLE 1 EXPERIMENTAL DESIGN AND MATERIALS AND METHODS IN THE INHALATION STUDIES OF CHLOROFORM (Continued)

Two-week Study	Thirteen-week Study
<Hematology> Red blood cell (RBC), Hemoglobin, Hematocrit, Mean corpuscular volume (MCV), Mean corpuscular hemoglobin (MCH), Mean corpuscular hemoglobin concentration (MCHC), Platelet, White blood cell (WBC), Differential WBC.	Same as two-week study
<Biochemistry> Total protein, Albumin, T-bilirubin, Glucose, T-cholesterol, Glutamic oxaloacetic transaminase (GOT), Glutamic pyruvic transaminase (GPT), Lactate dehydrogenase (LDH), Creatine phosphokinase (CPK), Urea nitrogen,Creatinine <rat only>, Sodium, Potassium, Chloride, Calcium, Inorganic phosphorus.	Total protein, Albumin, A/G ratio, T-bilirubin, Glucose, T-cholesterol, Triglyceride, Phospholipid <rat only>, Glutamic oxaloacetic transaminase (GOT), Glutamic pyruvic transaminase (GPT), Lactate dehydrogenase (LDH), Alkaline phosphatase (ALP), Leucine aminopeptidase(LAP) <rat only>,, γ-Glutamy transpeptidase (G-GTP) <rat only>, Creatine phosphokinase (CPK), Urea nitrogen, Creatinine <rat only>, Sodium, Potassium, Chloride, Calcium, Inorganic phosphorus.
<Urinalysis> None	pH, Protein, Glucose, Ketone body Bilirubin <rat only>, Occult blood Urobilinogen.
<Necropsy> Necropsy performed on all animals.	Same as two-week studies.
<Organ weight> None	Organ weight measurement performed on scheduled sacrificed animals. The following organs were weighed: brain, lung, liver, spleen, heart, kidney, adrenal, testis, ovary, thymus.
<Histopathologic Examination> Histopathologic examination performed on at least two animals per sex per groups. The following organs were examined: nasal cavity, trachea, lung, bone marrow, lymph node, thymus, spleen, heart, stomach, small intestine, large intestine, liver, pancreas, kidney, pituitary, adrenal, testis, ovary, brain, muscle.	Histopathologic examination performed on all animals. The following organs were examined: skin, nasal cavity, trachea, lung, bone marrow,lymph node, thymus, spleen, heart, tongue, salivary gland, esophagus, stomach, small intestine, large intestine, liver, pancreas, kidney, urinary bladder, pituitary, thyroid, adrenal, testis, epididymis, seminal vesicle, prostate, ovary, uterus, vagina, mammary gland, brain, spinal cord, peripheral nerve, eye, Harderian gland, muscle, bone.

TABLE 2 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES IN MALE RAT (TWO-WEEK STUDY)

Week-Day on Study	0 ppm Av.Wt.	0 ppm No.of Surviv. <10>	500 ppm Av.Wt.	500 ppm % of cont. <10>	500 ppm No.of Surviv.	1000 ppm Av.Wt.	1000 ppm % of cont. <10>	1000 ppm No.of Surviv.	2000 ppm Av.Wt.	2000 ppm % of cont. <10>	2000 ppm No.of Surviv.	4000 ppm Av.Wt.	4000 ppm % of cont. <10>	4000 ppm No.of Surviv.	8000 ppm Av.Wt.	8000 ppm % of cont. <10>	8000 ppm No.of Surviv.
0-0	118 (10)	10/10	118 (10)	100	10/10	118 (10)	100	10/10	119 (10)	101	10/10	119 (10)	101	10/10	118 (10)	100	0/10
1-1	122 (10)	10/10	113 (10)	93	10/10	112 (10)	92	10/10	105 (10)	86	10/10	103 (10)	84	8/10	- (-)	-	0/10
1-3	128 (10)	10/10	121 (10)	95	10/10	118 (10)	92	10/10	92 (9)	72	0/10	90 (7)	70	0/10	- (-)	-	0/10
1-7	140 (10)	10/10	124 (10)	89	10/10	118 (10)	84	10/10	- (-)	-	0/10	- (-)	-	0/10	- (-)	-	0/10
2-3	150 (10)	10/10	139 (10)	93	10/10	132 (10)	88	10/10	- (-)	-	0/10	- (-)	-	0/10	- (-)	-	0/10
2-7	165 (10)	10/10	141 (10)	85	10/10	131 (10)	79	10/10	- (-)	-	0/10	- (-)	-	0/10	- (-)	-	0/10

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

TABLE 3 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES IN FEMALE RAT (TWO-WEEK STUDY)

Week-Day on Study	0 ppm Av.Wt.	0 ppm No.of Surviv. <10>	500 ppm Av.Wt.	500 ppm % of cont. <10>	500 ppm No.of Surviv.	1000 ppm Av.Wt.	1000 ppm % of cont. <10>	1000 ppm No.of Surviv.	2000 ppm Av.Wt.	2000 ppm % of cont. <10>	2000 ppm No.of Surviv.	4000 ppm Av.Wt.	4000 ppm % of cont. <10>	4000 ppm No.of Surviv.	8000 ppm Av.Wt.	8000 ppm % of cont. <10>	8000 ppm No.of Surviv.
0-0	98 (10)	10/10	98 (10)	100	10/10	98 (10)	100	10/10	98 (10)	100	10/10	98 (10)	100	10/10	98 (10)	100	3/10
1-1	100 (10)	10/10	94 (10)	94	10/10	91 (10)	91	10/10	88 (10)	88	10/10	85 (10)	85	10/10	96 (3)	96	0/10
1-3	103 (10)	10/10	98 (10)	95	10/10	94 (10)	91	10/10	75 (10)	73	0/10	75 (10)	73	1/10	- (-)	-	0/10
1-7	108 (10)	10/10	95 (10)	88	10/10	90 (10)	83	10/10	- (-)	-	0/10	- (-)	-	0/10	- (-)	-	0/10
2-3	115 (10)	10/10	104 (10)	90	10/10	100 (10)	87	10/10	- (-)	-	0/10	- (-)	-	0/10	- (-)	-	0/10
2-7	122 (10)	10/10	103 (10)	84	10/10	97 (10)	80	10/10	- (-)	-	0/10	- (-)	-	0/10	- (-)	-	0/10

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

TABLE 4 FOOD CONSUMPTION IN MALE RAT (TWO-WEEK STUDY)

Week-Day on Study	0 ppm Av.FC.	0 ppm No.of Surviv. <10>	500 ppm Av.FC.	500 ppm % of cont. <10>	500 ppm No.of Surviv.	1000 ppm Av.FC.	1000 ppm % of cont. <10>	1000 ppm No.of Surviv.	2000 ppm Av.FC.	2000 ppm % of cont. <10>	2000 ppm No.of Surviv.	4000 ppm Av.FC.	4000 ppm % of cont. <10>	4000 ppm No.of Surviv.	8000 ppm Av.FC.	8000 ppm % of cont. <10>	8000 ppm No.of Surviv.
1-7	13.2 (10)	10/10	11.1 (10)	84	10/10	10.2 (10)	77	10/10	- (-)	-	0/10	- (-)	-	0/10	- (-)	-	0/10
2-7	14.8 (10)	10/10	13.9 (10)	94	10/10	13.6 (10)	92	10/10	- (-)	-	0/10	- (-)	-	0/10	- (-)	-	0/10

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

TABLE 5 FOOD CONSUMPTION IN FEMALE RAT (TWO-WEEK STUDY)

Week-Day on Study	0 ppm Av.FC.	0 ppm No.of Surviv. <10>	500 ppm Av.FC.	500 ppm % of cont. <10>	500 ppm No.of Surviv.	1000 ppm Av.FC.	1000 ppm % of cont. <10>	1000 ppm No.of Surviv.	2000 ppm Av.FC.	2000 ppm % of cont. <10>	2000 ppm No.of Surviv.	4000 ppm Av.FC.	4000 ppm % of cont. <10>	4000 ppm No.of Surviv.	8000 ppm Av.FC.	8000 ppm % of cont. <10>	8000 ppm No.of Surviv.
1-7	10.4 (10)	10/10	8.9 (10)	86	10/10	7.8 (10)	75	10/10	- (-)	-	0/10	- (-)	-	0/10	- (-)	-	0/10
2-7	11.3 (10)	10/10	10.9 (10)	96	10/10	10.9 (10)	96	10/10	- (-)	-	0/10	- (-)	-	0/10	- (-)	-	0/10

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

TABLE 6 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES IN MALE RAT (THIRTEEN-WEEK STUDY)

Week-Day on Study	0 ppm Av.Wt.	0 ppm No.of Surviv. <10>	25 ppm Av.Wt.	25 ppm % of cont. <10>	25 ppm No.of Surviv.	50 ppm Av.Wt.	50 ppm % of cont. <10>	50 ppm No.of Surviv.	100 ppm Av.Wt.	100 ppm % of cont. <10>	100 ppm No.of Surviv.	200 ppm Av.Wt.	200 ppm % of cont. <10>	200 ppm No.of Surviv.	400 ppm Av.Wt.	400 ppm % of cont. <10>	400 ppm No.of Surviv.
0-0	126 (10)	10/10	126 (10)	100	10/10	126 (10)	100	10/10	126 (10)	100	10/10	126 (10)	100	10/10	126 (10)	100	10/10
1-7	157 (10)	10/10	149 (10)	95	10/10	144 (10)	92	10/10	145 (10)	92	10/10	137 (10)	87	10/10	132 (10)	84	10/10
2-7	187 (10)	10/10	178 (10)	95	10/10	171 (10)	91	10/10	172 (10)	92	10/10	158 (10)	84	10/10	149 (10)	80	10/10
3-7	213 (10)	10/10	201 (10)	94	10/10	193 (10)	91	10/10	193 (10)	91	10/10	179 (10)	84	10/10	164 (10)	77	10/10
4-7	236 (10)	10/10	223 (10)	94	10/10	215 (10)	91	10/10	211 (10)	89	10/10	196 (10)	83	10/10	177 (10)	75	10/10
5-7	256 (10)	10/10	243 (10)	95	10/10	236 (10)	92	10/10	232 (10)	91	10/10	221 (10)	86	10/10	206 (10)	80	10/10
6-7	272 (10)	10/10	256 (10)	94	10/10	247 (10)	91	10/10	245 (10)	90	10/10	231 (10)	85	10/10	212 (10)	78	10/10
7-7	286 (10)	10/10	270 (10)	94	10/10	261 (10)	91	10/10	256 (10)	90	10/10	240 (10)	84	10/10	212 (10)	74	10/10
8-7	302 (10)	10/10	282 (10)	93	10/10	272 (10)	90	10/10	268 (10)	89	10/10	247 (10)	82	10/10	215 (10)	71	10/10
9-7	315 (10)	10/10	296 (10)	94	10/10	286 (10)	91	10/10	279 (10)	89	10/10	254 (10)	81	10/10	223 (10)	71	10/10
10-7	324 (10)	10/10	306 (10)	94	10/10	296 (10)	91	10/10	288 (10)	89	10/10	262 (10)	81	10/10	227 (10)	70	10/10
11-7	333 (10)	10/10	316 (10)	95	10/10	306 (10)	92	10/10	298 (10)	89	10/10	271 (10)	81	10/10	234 (10)	70	10/10
12-7	340 (10)	10/10	324 (10)	95	10/10	313 (10)	92	10/10	304 (10)	89	10/10	275 (10)	81	10/10	235 (10)	69	10/10
13-7	348 (10)	10/10	331 (10)	95	10/10	319 (10)	92	10/10	310 (10)	89	10/10	279 (10)	80	10/10	240 (10)	69	10/10

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

TABLE 7 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES IN FEMALE RAT (THIRTEEN-WEEK STUDY)

Week-Day on Study	0 ppm Av.Wt.	0 ppm No.of Surviv. <10>	25 ppm Av.Wt.	25 ppm % of cont. <10>	25 ppm No.of Surviv.	50 ppm Av.Wt.	50 ppm % of cont. <10>	50 ppm No.of Surviv.	100 ppm Av.Wt.	100 ppm % of cont. <10>	100 ppm No.of Surviv.	200 ppm Av.Wt.	200 ppm % of cont. <10>	200 ppm No.of Surviv.	400 ppm Av.Wt.	400 ppm % of cont. <10>	400 ppm No.of Surviv.
0-0	103 (10)	10/10	103 (10)	100	10/10	103 (10)	100	10/10	103 (10)	100	10/10	103 (10)	100	10/10	103 (10)	100	10/10
1-7	117 (10)	10/10	112 (10)	96	10/10	111 (10)	95	10/10	108 (10)	92	10/10	103 (10)	88	10/10	99 (10)	85	10/10
2-7	131 (10)	10/10	123 (10)	94	10/10	120 (10)	92	10/10	120 (10)	92	10/10	109 (10)	83	10/10	105 (10)	80	10/10
3-7	144 (10)	10/10	134 (10)	93	10/10	129 (10)	90	10/10	130 (10)	90	10/10	120 (10)	83	10/10	115 (10)	80	10/10
4-7	153 (10)	10/10	143 (10)	93	10/10	137 (10)	90	10/10	140 (10)	92	10/10	129 (10)	84	10/10	121 (10)	79	10/10
5-7	164 (10)	10/10	155 (10)	95	10/10	149 (10)	91	10/10	150 (10)	91	10/10	146 (10)	89	10/10	138 (10)	84	10/10
6-7	170 (10)	10/10	158 (10)	93	10/10	153 (10)	90	10/10	156 (10)	92	10/10	148 (10)	87	10/10	135 (10)	79	10/10
7-7	176 (10)	10/10	165 (10)	94	10/10	158 (10)	90	10/10	161 (10)	91	10/10	154 (10)	88	10/10	140 (10)	80	10/10
8-7	180 (10)	10/10	170 (10)	94	10/10	162 (10)	90	10/10	167 (10)	93	10/10	158 (10)	88	10/10	143 (10)	79	10/10
9-7	186 (10)	10/10	176 (10)	95	10/10	168 (10)	90	10/10	172 (10)	92	10/10	162 (10)	87	10/10	145 (10)	78	10/10
10-7	190 (10)	10/10	183 (10)	96	10/10	170 (10)	89	10/10	174 (10)	92	10/10	165 (10)	87	10/10	148 (10)	78	10/10
11-7	195 (10)	10/10	185 (10)	95	10/10	173 (10)	89	10/10	178 (10)	91	10/10	169 (10)	87	10/10	152 (10)	78	10/10
12-7	200 (10)	10/10	190 (10)	95	10/10	175 (10)	88	10/10	180 (10)	90	10/10	173 (10)	87	10/10	155 (10)	78	10/10
13-7	202 (10)	10/10	192 (10)	95	10/10	176 (10)	87	10/10	183 (10)	91	10/10	176 (10)	87	10/10	155 (10)	77	10/10

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

TABLE 8 FOOD CONSUMPTION IN MALE RAT (THIRTEEN-WEEK STUDY)

Week-Day on Study	0 ppm Av.FC.	0 ppm No.of Surviv. <10>	25 ppm Av.FC.	25 ppm % of cont. <10>	25 ppm No.of Surviv.	50 ppm Av.FC.	50 ppm % of cont. <10>	50 ppm No.of Surviv.	100 ppm Av.FC.	100 ppm % of cont. <10>	100 ppm No.of Surviv.	200 ppm Av.FC.	200 ppm % of cont. <10>	200 ppm No.of Surviv.	400 ppm Av.FC.	400 ppm % of cont. <10>	400 ppm No.of Surviv.
1-7	15.2 (10)	10/10	13.6 (10)	89	10/10	12.9 (10)	85	10/10	12.6 (10)	83	10/10	12.1 (10)	80	10/10	11.9 (10)	78	10/10
2-7	17.4 (10)	10/10	15.9 (10)	91	10/10	15.1 (10)	87	10/10	15.6 (10)	90	10/10	14.8 (10)	85	10/10	16.7 (10)	96	10/10
3-7	18.1 (10)	10/10	16.6 (10)	92	10/10	16.1 (10)	89	10/10	16.2 (10)	90	10/10	16.7 (10)	92	10/10	19.2 (10)	106	10/10
4-7	18.4 (10)	10/10	16.8 (10)	91	10/10	17.2 (10)	93	10/10	16.6 (10)	90	10/10	18.4 (10)	100	10/10	20.6 (8)	112	10/10
5-7	18.3 (10)	10/10	17.8 (10)	97	10/10	18.3 (10)	100	10/10	17.8 (10)	97	10/10	18.0 (10)	98	10/10	20.2 (10)	110	10/10
6-7	17.2 (9)	10/10	17.1 (10)	99	10/10	16.8 (10)	98	10/10	16.7 (10)	97	10/10	17.6 (10)	102	10/10	21.7 (10)	126	10/10
7-7	17.6 (10)	10/10	17.0 (10)	97	10/10	16.8 (10)	95	10/10	16.4 (10)	93	10/10	18.6 (10)	106	10/10	25.1 (10)	143	10/10
8-7	17.8 (10)	10/10	16.6 (10)	93	10/10	17.2 (10)	97	10/10	17.2 (10)	97	10/10	19.4 (9)	109	10/10	24.0 (10)	135	10/10
9-7	17.4 (10)	10/10	17.6 (10)	101	10/10	17.5 (10)	101	10/10	17.4 (10)	100	10/10	19.9 (10)	114	10/10	24.6 (10)	141	10/10
10-7	17.3 (10)	10/10	17.3 (10)	100	10/10	18.7 (10)	108	10/10	17.7 (10)	102	10/10	20.6 (10)	119	10/10	25.9 (9)	150	10/10
11-7	16.6 (10)	10/10	16.9 (10)	102	10/10	17.5 (10)	105	10/10	17.3 (10)	104	10/10	20.8 (10)	125	10/10	23.7 (9)	143	10/10
12-7	16.4 (10)	10/10	17.2 (10)	105	10/10	17.6 (10)	107	10/10	17.1 (10)	104	10/10	21.2 (10)	129	10/10	23.6 (10)	144	10/10
13-7	16.7 (10)	10/10	17.2 (10)	103	10/10	18.3 (10)	110	10/10	17.7 (10)	106	10/10	21.3 (10)	128	10/10	24.0 (10)	144	10/10

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

TABLE 9 FOOD CONSUMPTION IN FEMALE RAT (THIRTEEN-WEEK STUDY)

Week-Day on Study	0 ppm Av.FC.	0 ppm No.of Surviv. <10>	25 ppm Av.FC.	25 ppm % of cont. <10>	25 ppm No.of Surviv.	50 ppm Av.FC.	50 ppm % of cont. <10>	50 ppm No.of Surviv.	100 ppm Av.FC.	100 ppm % of cont. <10>	100 ppm No.of Surviv.	200 ppm Av.FC.	200 ppm % of cont. <10>	200 ppm No.of Surviv.	400 ppm Av.FC.	400 ppm % of cont. <10>	400 ppm No.of Surviv.
1-7	12.2 (10)	10/10	10.8 (10)	89	10/10	10.1 (10)	83	10/10	10.0 (10)	82	10/10	9.7 (10)	80	10/10	9.1 (10)	75	10/10
2-7	12.7 (10)	10/10	11.4 (10)	90	10/10	11.3 (10)	89	10/10	11.4 (10)	90	10/10	11.9 (10)	94	10/10	12.7 (10)	100	10/10
3-7	12.3 (10)	10/10	11.4 (10)	93	10/10	11.0 (10)	89	10/10	11.6 (10)	94	10/10	12.8 (10)	104	10/10	14.8 (10)	120	10/10
4-7	12.2 (10)	10/10	11.2 (10)	92	10/10	11.0 (10)	90	10/10	12.0 (10)	98	10/10	13.5 (10)	111	10/10	14.7 (10)	120	10/10
5-7	12.3 (10)	10/10	12.3 (10)	100	10/10	12.0 (10)	98	10/10	12.2 (10)	99	10/10	13.6 (10)	111	10/10	13.9 (10)	113	10/10
6-7	12.0 (10)	10/10	11.6 (10)	97	10/10	11.4 (10)	95	10/10	12.6 (10)	105	10/10	13.5 (10)	113	10/10	13.6 (10)	113	10/10
7-7	11.9 (10)	10/10	11.4 (10)	96	10/10	11.1 (10)	93	10/10	13.1 (10)	110	10/10	15.2 (10)	128	10/10	16.0 (10)	134	10/10
8-7	11.7 (10)	10/10	12.0 (10)	103	10/10	11.6 (10)	99	10/10	13.6 (10)	116	10/10	15.3 (10)	131	10/10	16.8 (10)	144	10/10
9-7	12.0 (10)	10/10	12.3 (10)	103	10/10	12.2 (10)	102	10/10	14.1 (10)	118	10/10	16.3 (10)	136	10/10	18.1 (10)	151	10/10
10-7	12.1 (10)	10/10	12.5 (9)	103	10/10	12.4 (10)	102	10/10	13.5 (9)	112	10/10	16.1 (10)	133	10/10	17.4 (10)	144	10/10
11-7	11.5 (10)	10/10	11.5 (7)	100	10/10	11.7 (10)	102	10/10	13.8 (10)	120	10/10	14.8 (8)	129	10/10	16.5 (10)	143	10/10
12-7	11.8 (10)	10/10	12.4 (9)	105	10/10	12.0 (10)	102	10/10	13.6 (10)	115	10/10	15.3 (9)	130	10/10	16.3 (10)	138	10/10
13-7	11.6 (10)	10/10	12.7 (9)	109	10/10	12.7 (10)	109	10/10	13.9 (10)	120	10/10	16.1 (10)	139	10/10	15.6 (9)	134	10/10

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

TABLE 10 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES IN MALE MOUSE (TWO-WEEK STUDY)

Week-Day on Study	0 ppm Av.Wt.	0 ppm No.of Surviv. <10>	500 ppm Av.Wt.	500 ppm % of cont. <10>	500 ppm No.of Surviv.	1000 ppm Av.Wt.	1000 ppm % of cont. <10>	1000 ppm No.of Surviv.	2000 ppm Av.Wt.	2000 ppm % of cont. <10>	2000 ppm No.of Surviv.	4000 ppm Av.Wt.	4000 ppm % of cont. <10>	4000 ppm No.of Surviv.	8000 ppm Av.Wt.	8000 ppm % of cont. <10>	8000 ppm No.of Surviv.
0-0	22.5 (10)	10/10	22.4 (10)	100	10/10	22.4 (10)	100	10/10	22.5 (10)	100	10/10	22.5 (10)	100	10/10	22.5 (10)	100	0/10
1-1	22.0 (10)	10/10	21.9 (10)	100	10/10	21.6 (10)	98	10/10	20.3 (10)	92	9/10	20.1 (10)	91	0/10	- (-)	-	0/10
1-4	22.9 (10)	10/10	19.3 (2)	84	1/10	18.2 (2)	79	1/10	- (-)	-	0/10	- (-)	-	0/10	- (-)	-	0/10
1-7	23.2 (10)	10/10	18.6 (1)	80	1/10	17.7 (1)	76	1/10	- (-)	-	0/10	- (-)	-	0/10	- (-)	-	0/10
2-4	23.8 (10)	10/10	20.2 (1)	85	1/10	15.5 (1)	65	1/10	- (-)	-	0/10	- (-)	-	0/10	- (-)	-	0/10
2-7	24.4 (10)	10/10	20.6 (1)	84	1/10	17.1 (1)	70	1/10	- (-)	-	0/10	- (-)	-	0/10	- (-)	-	0/10

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

TABLE 11 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES IN FEMALE MOUSE (TWO-WEEK STUDY)

Week-Day on Study	0 ppm Av.Wt.	0 ppm No.of Surviv. <10>	500 ppm Av.Wt.	500 ppm % of cont. <10>	500 ppm No.of Surviv.	1000 ppm Av.Wt.	1000 ppm % of cont. <10>	1000 ppm No.of Surviv.	2000 ppm Av.Wt.	2000 ppm % of cont. <10>	2000 ppm No.of Surviv.	4000 ppm Av.Wt.	4000 ppm % of cont. <10>	4000 ppm No.of Surviv.	8000 ppm Av.Wt.	8000 ppm % of cont. <10>	8000 ppm No.of Surviv.
0-0	18.3 (10)	10/10	18.3 (10)	100	10/10	18.3 (10)	100	10/10	18.3 (10)	100	10/10	18.2 (10)	99	10/10	18.3 (10)	100	0/10
1-1	17.8 (10)	10/10	17.0 (10)	96	10/10	16.9 (10)	95	10/10	16.6 (10)	93	10/10	16.1 (10)	90	5/10	- (-)	-	0/10
1-4	18.6 (10)	10/10	17.6 (10)	95	10/10	14.2 (10)	76	10/10	14.1 (4)	76	4/10	15.1 (1)	81	0/10	- (-)	-	0/10
1-7	18.9 (10)	10/10	17.7 (10)	94	10/10	13.6 (3)	72	1/10	- (-)	-	0/10	- (-)	-	0/10	- (-)	-	0/10
2-4	19.1 (10)	10/10	19.0 (10)	99	10/10	17.5 (1)	92	1/10	- (-)	-	0/10	- (-)	-	0/10	- (-)	-	0/10
2-7	19.8 (10)	10/10	19.0 (10)	96	10/10	18.9 (1)	95	1/10	- (-)	-	0/10	- (-)	-	0/10	- (-)	-	0/10

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

(Study No. 0089/90, 0097/98)

TABLE 12 FOOD CONSUMPTION IN MALE MOUSE (TWO-WEEK STUDY)

Week-Day on Study	0 ppm Av.FC.	0 ppm No.of Surviv. <10>	500 ppm Av.FC.	500 ppm % of cont. <10>	500 ppm No.of Surviv.	1000 ppm Av.FC.	1000 ppm % of cont. <10>	1000 ppm No.of Surviv.	2000 ppm Av.FC.	2000 ppm % of cont. <10>	2000 ppm No.of Surviv.	4000 ppm Av.FC.	4000 ppm % of cont. <10>	4000 ppm No.of Surviv.	8000 ppm Av.FC.	8000 ppm % of cont. <10>	8000 ppm No.of Surviv.
1-7	3.5 (10)	10/10	2.0 (1)	57	1/10	3.1 (1)	89	1/10	- (-)	-	0/10	- (-)	-	0/10	- (-)	-	0/10
2-7	3.6 (10)	10/10	2.9 (1)	81	1/10	2.6 (1)	72	1/10	- (-)	-	0/10	- (-)	-	0/10	- (-)	-	0/10

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

TABLE 13 FOOD CONSUMPTION IN FEMALE MOUSE (TWO-WEEK STUDY)

Week-Day on Study	0 ppm Av.FC.	0 ppm No.of Surviv. <10>	500 ppm Av.FC.	500 ppm % of cont. <10>	500 ppm No.of Surviv.	1000 ppm Av.FC.	1000 ppm % of cont. <10>	1000 ppm No.of Surviv.	2000 ppm Av.FC.	2000 ppm % of cont. <10>	2000 ppm No.of Surviv.	4000 ppm Av.FC.	4000 ppm % of cont. <10>	4000 ppm No.of Surviv.	8000 ppm Av.FC.	8000 ppm % of cont. <10>	8000 ppm No.of Surviv.
1-7	3.0 (10)	10/10	2.3 (10)	77	10/10	0.7 (3)	23	1/10	- (-)	-	0/10	- (-)	-	0/10	- (-)	-	0/10
2-7	3.0 (10)	10/10	3.1 (10)	103	10/10	4.3 (1)	143	1/10	- (-)	-	0/10	- (-)	-	0/10	- (-)	-	0/10

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

TABLE 16 FOOD CONSUMPTION IN MALE MOUSE (THIRTEEN-WEEK STUDY)

Week-Day on Study	0 ppm Av.FC.	0 ppm No.of Surviv. <10>	12 ppm Av.FC.	12 ppm % of cont. <10>	12 ppm No.of Surviv.	25 ppm Av.FC.	25 ppm % of cont. <10>	25 ppm No.of Surviv.	50 ppm Av.FC.	50 ppm % of cont. <10>	50 ppm No.of Surviv.	100 ppm Av.FC.	100 ppm % of cont. <10>	100 ppm No.of Surviv.	200 ppm Av.FC.	200 ppm % of cont. <10>	200 ppm No.of Surviv.
1-7	4.2 (10)	10/10	3.5 (8)	83	8/10	2.0 (1)	48	1/10	- (-)	-	0/10	1.7 (2)	40	2/10	- (-)	-	0/10
2-7	3.9 (10)	10/10	4.6 (8)	118	8/10	6.5 (1)	167	1/10	- (-)	-	0/10	4.7 (2)	121	2/10	- (-)	-	0/10
3-7	4.2 (10)	10/10	4.3 (8)	102	8/10	4.6 (1)	110	1/10	- (-)	-	0/10	4.9 (2)	117	2/10	- (-)	-	0/10
4-7	4.2 (10)	10/10	4.7 (8)	112	8/10	4.2 (1)	100	1/10	- (-)	-	0/10	4.6 (2)	110	2/10	- (-)	-	0/10
5-7	4.2 (10)	10/10	4.2 (8)	100	8/10	4.2 (1)	100	1/10	- (-)	-	0/10	3.9 (2)	93	2/10	- (-)	-	0/10
6-7	4.3 (10)	10/10	4.3 (8)	100	8/10	4.2 (1)	98	1/10	- (-)	-	0/10	4.7 (2)	109	2/10	- (-)	-	0/10
7-7	4.4 (10)	10/10	4.3 (8)	98	8/10	4.4 (1)	100	1/10	- (-)	-	0/10	4.7 (2)	107	2/10	- (-)	-	0/10
8-7	4.5 (10)	10/10	4.2 (8)	93	8/10	4.2 (1)	93	1/10	- (-)	-	0/10	4.6 (2)	102	2/10	- (-)	-	0/10
9-7	4.4 (10)	10/10	4.4 (8)	100	8/10	4.3 (1)	98	1/10	- (-)	-	0/10	4.4 (2)	100	2/10	- (-)	-	0/10
10-7	4.4 (10)	10/10	4.3 (8)	98	8/10	4.3 (1)	98	1/10	- (-)	-	0/10	4.3 (2)	98	2/10	- (-)	-	0/10
11-7	4.6 (10)	10/10	4.4 (8)	96	8/10	4.0 (1)	87	1/10	- (-)	-	0/10	4.7 (1)	102	2/10	- (-)	-	0/10
12-7	4.7 (10)	10/10	4.5 (8)	96	8/10	4.4 (1)	94	1/10	- (-)	-	0/10	4.7 (2)	100	2/10	- (-)	-	0/10
13-7	4.7 (10)	10/10	4.5 (8)	96	8/10	4.5 (1)	96	1/10	- (-)	-	0/10	4.7 (2)	100	2/10	- (-)	-	0/10

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

TABLE 17 FOOD CONSUMPTION IN FEMALE MOUSE (THIRTEEN-WEEK STUDY)

Week-Day on Study	0 ppm Av.FC.	0 ppm No.of Surviv. <10>	12 ppm Av.FC.	12 ppm % of cont. <10>	12 ppm No.of Surviv.	25 ppm Av.FC.	25 ppm % of cont. <10>	25 ppm No.of Surviv.	50 ppm Av.FC.	50 ppm % of cont. <10>	50 ppm No.of Surviv.	100 ppm Av.FC.	100 ppm % of cont. <10>	100 ppm No.of Surviv.	200 ppm Av.FC.	200 ppm % of cont. <10>	200 ppm No.of Surviv.
1-7	3.1 (10)	10/10	3.2 (10)	103	10/10	3.1 (10)	100	10/10	3.1 (10)	100	10/10	2.9 (10)	94	10/10	3.0 (10)	97	10/10
2-7	3.2 (10)	10/10	3.3 (10)	103	10/10	3.4 (10)	106	10/10	3.3 (10)	103	10/10	3.8 (10)	119	10/10	4.3 (10)	134	10/10
3-7	3.6 (10)	10/10	3.6 (10)	100	10/10	3.9 (10)	108	10/10	3.7 (10)	103	10/10	4.3 (10)	119	10/10	4.3 (10)	119	10/10
4-7	3.8 (10)	10/10	4.0 (10)	105	10/10	4.0 (10)	105	10/10	3.8 (10)	100	10/10	4.2 (10)	111	10/10	4.4 (10)	116	10/10
5-7	3.8 (10)	10/10	3.9 (10)	103	10/10	4.1 (10)	108	10/10	3.9 (10)	103	10/10	4.1 (10)	108	10/10	4.4 (10)	116	10/10
6-7	4.1 (10)	10/10	4.1 (10)	100	10/10	4.4 (10)	107	10/10	4.2 (10)	102	10/10	4.3 (10)	105	10/10	4.8 (10)	117	10/10
7-7	4.2 (10)	10/10	4.3 (10)	102	10/10	4.6 (10)	110	10/10	4.4 (10)	105	10/10	4.6 (10)	110	10/10	4.9 (10)	117	10/10
8-7	4.1 (10)	10/10	4.3 (10)	105	10/10	4.7 (10)	115	10/10	4.4 (10)	107	10/10	4.6 (10)	112	10/10	4.8 (10)	117	10/10
9-7	4.2 (10)	10/10	4.5 (10)	107	10/10	4.9 (10)	117	10/10	4.5 (10)	107	10/10	4.8 (10)	114	10/10	4.9 (10)	117	10/10
10-7	4.2 (10)	10/10	4.4 (10)	105	10/10	4.7 (10)	112	10/10	4.4 (10)	105	10/10	4.7 (10)	112	10/10	4.8 (10)	114	10/10
11-7	4.4 (10)	10/10	4.4 (10)	100	10/10	5.1 (10)	116	10/10	4.6 (10)	105	10/10	4.9 (10)	111	10/10	5.2 (10)	118	10/10
12-7	4.4 (10)	10/10	4.6 (10)	105	10/10	5.1 (10)	116	10/10	4.6 (10)	105	10/10	4.7 (10)	107	10/10	5.2 (10)	118	10/10
13-7	4.3 (10)	10/10	4.6 (10)	107	10/10	5.3 (10)	123	10/10	4.9 (10)	114	10/10	4.6 (10)	107	10/10	5.1 (10)	119	10/10

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