

1 - クロロ - 2,4 - ジニトロベンゼンのラット及びマウスを用いた
経口投与によるがん原性試験（混餌試験）報告書

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TABLE 1 EXPERIMENTAL DESIGN AND MATERIALS AND METHODS IN THE FEED STUDIES OF 1-CHLORO-2,4-DINITROBENZENE

Two-Week Studies	Thirteen-Week Studies	Two-Year Studies
<Method of Administration> Feed	Feed	Feed
<Number of Groups> Male 6, Female 6	Male 6, Female 6	Male 4, Female 4
<Size of Study Groups> 10 males and 10 females of each groups	10 males and 10 females of each groups	50 males and 50 females of each groups
<Animals> Strain and Species F344/DuCrj (Fischer) rat Crj:BD ₁ mouse	F344/DuCrj (Fischer) rat Crj:BD ₁ mouse	F344/DuCrj (Fischer) rat Crj:BD ₁ mouse
Animal Source Charles River Japan, Inc.	Charles River Japan, Inc.	Charles River Japan, Inc.
During of Time Held Before Study 2 wk	2 wk	2 wk
Age When Placed on Study 6 wk	6 wk	6 wk
Age When Killed 8 wk	19 wk	110 wk-111 wk
<Doses> Rat—0, 40, 156, 625, 2500, or 10000ppm; Mouse—0, 222, 667, 2000, 6000, or 18000ppm	Rat—0, 100, 250, 640, 1600, or 4000ppm; Mouse—0, 100, 250, 640, 1600, or 4000ppm	Rat—0, 320, 800, or 2000ppm; Mouse—0, 320, 800, 2000ppm
<Duration of Dosing> 7d/wk for 2wk	7d/wk for 13wk	7d/wk for 104wk
<Animal Maintenance> Feed CRF-1 (Oriental Yeast Co., Ltd.) Sterilized by γ -ray Available ad libitum	Same as two-week studies	Same as two-week studies
Water Sterilized by ultraviolet rays Automatic watering system Available ad libitum	Same as two-week studies	Same as two-week studies
Animals per Cage Single (stainless steel wire)	Single (stainless steel wire)	Single (stainless steel wire)
Animal Room Environment Barrier system Temperature: $24 \pm 2^\circ\text{C}$ Humidity : $55 \pm 10\%$ Fluorescent light 12h/d 15-17 room air changes /h	Same as two-week studies	Same as two-week studies
<Type and Frequency of Observation> Clinical Sign Observed 1Xd	Observed 1Xd	Observed 1Xd
Body Weight Weighed 0-0, 1-1, 1-2, 1-4, 1-7, 2-4, and 2-7 (wk-d)	Weighed 1Xwk for 13wk	Weighed 1Xwk for 14wk Weighed 1X2wk thereafter
<Food Consumption> Weighed 1Xwk for 2wk	Weighed 1Xwk for 13wk	Weighed 1Xwk for 14wk Weighed 1X2wk thereafter

TABLE 1 EXPERIMENTAL DESIGN AND MATERIALS AND METHODS IN THE FEED STUDIES OF 1-CHLORO-2, 4-DINITROBENZENE
(Continued)

Two-Week Studies	Thirteen-Week Studies	Two-Year Studies
<p><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.</p>	Same as two-week studies	Same as two-week studies
<p><Blood 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.</p>	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), γ -Glutamyl transpeptidase (G-GTP)<rat only>, Creatine phosphokinase (CPK), Urea nitrogen, Creatinine<rat only>, Sodium, Potassium, Chloride, Calcium, Inorganic phosphorus.	Same as thirteen-week studies
<p><Urinalysis> None</p>	pH, Protein, Glucose, Ketone body, Bilirubin<rat only>, Occult blood, Urobilinogen.	Same as thirteen-week studies
<p><Necropsy> Necropsy performed on all animals.</p>	Same as two-week studies	Same as two-week studies
<p><Organ Weight> None</p>	Organ weight measurement performed on schedule sacrificed animals. The following organs were weighed :brain, lung, liver, spleen, heart, kidney, adrenal, testis, ovary, thymus.	Same as thirteen-week studies The following organs were weighed :brain, lung, liver, spleen, heart, kidney, adrenal, testis, ovary.
<p><Histopathologic Examination> Histopathologic examination performed on at least two animals per sex per group.</p>	Histopathologic examination performed on all animals.	Same as thirteen-week studies
The following organs were examined :nasal cavit, pharynx, larynx, trachea, lung, bone marrow, lymph node, thymus, spleen, heart, stomach, small intes, large intes, liver, pancreas, kidney, pituitary, adrenal, testis, ovary, brain.	The following organs were examined :skin, nasal cavit, trachea, lung, bone marrow, lymph node, thymus, spleen, heart, tongue, salivary gl, esophagus, stomach, small intes, large intes, liver, pancreas, kidney, urin bladd, pituitary, thyroid, adrenal, testis, epididymis, semin ves, prostate, ovary, uterus, vagina, mammary gl, brain, spinal cord, periph nerv, eye, Harder gl, muscle, bone.	Same as thirteen-week studies

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

Week-Day on Study	Control			40 ppm			156 ppm			625 ppm			2500 ppm			10000 ppm		
	Au.Wt.	No. of Surviv. <10>		Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.
0-0	128 (10)	10/10		128 (10)	100	10/10	128 (10)	100	10/10	128 (10)	100	10/10	128 (10)	100	10/10	128 (10)	100	10/10
1-1	133 (10)	10/10		132 (10)	99	10/10	132 (10)	99	10/10	131 (10)	98	10/10	119 (10)	89	10/10	113 (10)	85	10/10
1-2	136 (10)	10/10		135 (10)	99	10/10	135 (10)	99	10/10	134 (10)	99	10/10	117 (10)	86	10/10	104 (10)	76	10/10
1-4	144 (10)	10/10		142 (10)	99	10/10	143 (10)	99	10/10	142 (10)	99	10/10	124 (10)	86	10/10	89 (10)	62	10/10
1-7	157 (10)	10/10		156 (10)	99	10/10	155 (10)	99	10/10	156 (10)	99	10/10	136 (10)	87	10/10	73 (-7)	46	2/10
2-4	175 (10)	10/10		175 (10)	100	10/10	173 (10)	99	10/10	174 (10)	99	10/10	154 (10)	88	10/10	- (-)	-	0/10
2-7	189 (10)	10/10		190 (10)	101	10/10	188 (10)	99	10/10	188 (10)	99	10/10	166 (10)	88	10/10	- (-)	-	0/10

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

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

Week-Day on Study	Control			40 ppm			156 ppm			625 ppm			2500 ppm			10000 ppm		
	Au.Wt.	No. of Surviv. <10>		Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.
0-0	106 (10)	10/10		106 (10)	100	10/10	106 (10)	100	10/10	106 (10)	100	10/10	106 (10)	100	10/10	106 (10)	100	10/10
1-1	110 (10)	10/10		109 (10)	99	10/10	109 (10)	99	10/10	108 (10)	98	10/10	98 (10)	89	10/10	94 (10)	85	10/10
1-2	112 (10)	10/10		112 (10)	100	10/10	110 (10)	98	10/10	110 (10)	98	10/10	98 (10)	88	10/10	87 (10)	78	10/10
1-4	117 (10)	10/10		117 (10)	100	10/10	115 (10)	98	10/10	114 (10)	97	10/10	106 (10)	91	10/10	76 (10)	65	10/10
1-7	123 (10)	10/10		123 (10)	100	10/10	122 (10)	99	10/10	122 (10)	99	10/10	114 (10)	93	10/10	62 (8)	50	2/10
2-4	133 (10)	10/10		133 (10)	100	10/10	131 (10)	98	10/10	131 (10)	98	10/10	125 (10)	94	10/10	- (-)	-	0/10
2-7	140 (10)	10/10		139 (10)	99	10/10	138 (10)	99	10/10	138 (10)	99	10/10	131 (10)	94	10/10	- (-)	-	0/10

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

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

Week-Day on Study	Control		40 ppm			156 ppm			625 ppm			2500 ppm			10000 ppm		
	Au.F.C.	No. of Surviv. <10>	Au.F.C.	% of cont. <10>	No. of Surviv.	Au.F.C.	% of cont. <10>	No. of Surviv.	Au.F.C.	% of cont. <10>	No. of Surviv.	Au.F.C.	% of cont. <10>	No. of Surviv.	Au.F.C.	% of cont. <10>	No. of Surviv.
1-7	13.0 (10)	10/10	12.7 (10)	98	10/10	12.5 (10)	96	10/10	12.4 (10)	95	10/10	9.8 (8)	75	10/10	5.8 (7)	45	2/10
2-7	14.1 (10)	10/10	14.3 (10)	101	10/10	14.1 (10)	100	10/10	14.1 (10)	100	10/10	13.7 (10)	97	10/10	- (-)	-	0/10

< >:No. of effective animals, ():No. of measured animals Au.F.C.: g

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

Week-Day on Study	Control		40 ppm			156 ppm			625 ppm			2500 ppm			10000 ppm		
	Au.F.C.	No. of Surviv. <10>	Au.F.C.	% of cont. <10>	No. of Surviv.	Au.F.C.	% of cont. <10>	No. of Surviv.	Au.F.C.	% of cont. <10>	No. of Surviv.	Au.F.C.	% of cont. <10>	No. of Surviv.	Au.F.C.	% of cont. <10>	No. of Surviv.
1-7	10.6 (10)	10/10	11.0 (10)	104	10/10	10.5 (10)	99	10/10	10.1 (10)	95	10/10	9.7 (10)	92	10/10	9.1 (8)	86	2/10
2-7	11.3 (10)	10/10	11.5 (10)	102	10/10	11.0 (9)	97	10/10	11.1 (10)	98	10/10	10.7 (10)	95	10/10	- (-)	-	0/10

< >:No. of effective animals, ():No. of measured animals Au.F.C.: g

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

Week-Day on Study	Control			100 ppm			250 ppm			640 ppm			1600 ppm			4000 ppm		
	Au.Wt.	No. of Surviv. <10>		Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.
0-0	131 (10)	10/10		131 (10)	100	10/10	131 (10)	100	10/10	131 (10)	100	10/10	131 (10)	100	10/10	131 (10)	100	10/10
1-7	165 (10)	10/10		163 (10)	99	10/10	162 (10)	98	10/10	163 (10)	99	10/10	156 (10)	95	10/10	120 (10)	73	10/10
2-7	195 (10)	10/10		193 (10)	99	10/10	191 (10)	98	10/10	193 (10)	99	10/10	185 (10)	95	10/10	141 (10)	72	10/10
3-7	215 (10)	10/10		214 (10)	100	10/10	210 (10)	98	10/10	213 (10)	99	10/10	203 (10)	94	10/10	163 (10)	76	10/10
4-7	233 (10)	10/10		230 (10)	99	10/10	225 (10)	97	10/10	231 (10)	99	10/10	220 (10)	94	10/10	178 (10)	76	10/10
5-7	247 (10)	10/10		246 (10)	100	10/10	239 (10)	97	10/10	248 (10)	100	10/10	238 (10)	96	10/10	192 (10)	78	10/10
6-7	260 (10)	10/10		256 (10)	98	10/10	250 (10)	96	10/10	261 (10)	100	10/10	249 (10)	96	10/10	203 (10)	78	10/10
7-7	275 (10)	10/10		272 (10)	99	10/10	266 (10)	97	10/10	279 (10)	101	10/10	266 (10)	97	10/10	215 (10)	78	10/10
8-7	290 (10)	10/10		285 (10)	98	10/10	277 (10)	96	10/10	292 (10)	101	10/10	278 (10)	96	10/10	227 (10)	78	10/10
9-7	301 (10)	10/10		297 (10)	99	10/10	289 (10)	96	10/10	303 (10)	101	10/10	287 (10)	95	10/10	236 (10)	78	10/10
10-7	311 (10)	10/10		306 (10)	98	10/10	296 (10)	95	10/10	313 (10)	101	10/10	297 (10)	95	10/10	246 (10)	79	10/10
11-7	319 (10)	10/10		313 (10)	98	10/10	306 (10)	96	10/10	320 (10)	100	10/10	307 (10)	96	10/10	254 (10)	80	10/10
12-7	328 (10)	10/10		321 (10)	98	10/10	314 (10)	96	10/10	330 (10)	101	10/10	314 (10)	96	10/10	261 (10)	80	10/10
13-7	337 (10)	10/10		330 (10)	98	10/10	323 (10)	96	10/10	338 (10)	100	10/10	322 (10)	96	10/10	268 (10)	80	10/10

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

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

Week-Day on Study	Control			100 ppm			250 ppm			640 ppm			1600 ppm			4000 ppm		
	Au.Wt.	No. of Surviv. <10>		Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	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	120 (10)	10/10		118 (10)	98	10/10	119 (10)	99	10/10	118 (10)	98	10/10	116 (10)	97	10/10	100 (10)	83	10/10
2-7	134 (10)	10/10		133 (10)	99	10/10	133 (10)	99	10/10	132 (10)	99	10/10	130 (10)	97	10/10	117 (10)	87	10/10
3-7	143 (10)	10/10		143 (10)	100	10/10	145 (10)	101	10/10	142 (10)	99	10/10	137 (10)	96	10/10	127 (10)	89	10/10
4-7	153 (10)	10/10		149 (10)	97	10/10	150 (10)	98	10/10	150 (10)	98	10/10	145 (10)	95	10/10	135 (10)	88	10/10
5-7	160 (10)	10/10		158 (10)	99	10/10	158 (10)	99	10/10	157 (10)	98	10/10	153 (10)	96	10/10	138 (10)	86	10/10
6-7	165 (10)	10/10		162 (10)	98	10/10	160 (10)	97	10/10	160 (10)	97	10/10	158 (10)	96	10/10	144 (10)	87	10/10
7-7	171 (10)	10/10		168 (10)	98	10/10	168 (10)	98	10/10	167 (10)	98	10/10	164 (10)	96	10/10	148 (10)	87	10/10
8-7	175 (10)	10/10		172 (10)	98	10/10	171 (10)	98	10/10	170 (10)	97	10/10	167 (10)	95	10/10	150 (10)	86	10/10
9-7	179 (10)	10/10		174 (10)	97	10/10	175 (10)	98	10/10	173 (10)	97	10/10	172 (10)	96	10/10	154 (10)	86	10/10
10-7	183 (10)	10/10		179 (10)	98	10/10	180 (10)	98	10/10	178 (10)	97	10/10	176 (10)	96	10/10	156 (10)	85	10/10
11-7	186 (10)	10/10		180 (10)	97	10/10	183 (10)	98	10/10	179 (10)	96	10/10	180 (10)	97	10/10	159 (10)	85	10/10
12-7	190 (10)	10/10		184 (10)	97	10/10	186 (10)	98	10/10	182 (10)	96	10/10	182 (10)	96	10/10	162 (10)	85	10/10
13-7	192 (10)	10/10		186 (10)	97	10/10	187 (10)	97	10/10	183 (10)	95	10/10	183 (10)	95	10/10	164 (10)	85	10/10

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

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

Week-Day on Study	Control		100 ppm			250 ppm			640 ppm			1600 ppm			4000 ppm		
	Au.F.C.	No. of Surviv. <10>	Au.F.C.	% of cont. <10>	No. of Surviv.	Au.F.C.	% of cont. <10>	No. of Surviv.	Au.F.C.	% of cont. <10>	No. of Surviv.	Au.F.C.	% of cont. <10>	No. of Surviv.	Au.F.C.	% of cont. <10>	No. of Surviv.
1-7	13.7 (10)	10/10	13.1 (10)	96	10/10	13.5 (10)	99	10/10	13.2 (10)	96	10/10	11.8 (10)	86	10/10	13.1 (9)	96	10/10
2-7	14.6 (10)	10/10	14.5 (10)	99	10/10	14.5 (10)	99	10/10	14.3 (10)	98	10/10	13.7 (10)	94	10/10	10.5 (8)	72	10/10
3-7	14.4 (10)	10/10	14.3 (10)	99	10/10	14.3 (10)	99	10/10	14.3 (10)	99	10/10	13.5 (10)	94	10/10	12.4 (9)	86	10/10
4-7	14.5 (10)	10/10	14.2 (10)	98	10/10	14.0 (10)	97	10/10	14.5 (10)	100	10/10	13.6 (10)	94	10/10	11.5 (10)	79	10/10
5-7	14.8 (10)	10/10	14.5 (10)	98	10/10	13.9 (10)	94	10/10	14.8 (10)	100	10/10	13.8 (10)	93	10/10	11.7 (10)	79	10/10
6-7	14.5 (10)	10/10	13.6 (10)	94	10/10	13.0 (10)	90	10/10	14.3 (10)	99	10/10	13.6 (10)	94	10/10	11.2 (10)	77	10/10
7-7	15.0 (10)	10/10	14.4 (10)	96	10/10	14.3 (10)	95	10/10	15.2 (10)	101	10/10	14.0 (10)	93	10/10	11.0 (10)	73	10/10
8-7	14.8 (10)	10/10	14.1 (10)	95	10/10	13.8 (10)	93	10/10	15.0 (10)	101	10/10	13.8 (10)	93	10/10	11.6 (10)	78	10/10
9-7	15.1 (10)	10/10	14.3 (10)	95	10/10	14.1 (10)	93	10/10	14.9 (10)	99	10/10	14.0 (10)	93	10/10	11.9 (10)	79	10/10
10-7	14.7 (10)	10/10	14.1 (10)	96	10/10	13.6 (10)	93	10/10	14.8 (10)	101	10/10	13.8 (10)	94	10/10	11.7 (10)	80	10/10
11-7	14.4 (10)	10/10	13.9 (10)	97	10/10	14.1 (10)	98	10/10	14.7 (10)	102	10/10	14.0 (10)	97	10/10	12.0 (10)	83	10/10
12-7	14.5 (10)	10/10	13.8 (10)	95	10/10	14.1 (10)	97	10/10	14.6 (10)	101	10/10	13.7 (10)	94	10/10	11.6 (10)	80	10/10
13-7	14.2 (10)	10/10	13.7 (10)	96	10/10	13.7 (10)	96	10/10	14.5 (10)	102	10/10	13.8 (10)	97	10/10	12.0 (10)	85	10/10

< >:No. of effective animals, ():No. of measured animals Au.F.C.: g

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

Week-Day on Study	Control		100 ppm			250 ppm			640 ppm			1600 ppm			4000 ppm		
	Au.F.C.	No. of Surviv. <10>	Au.F.C.	% of cont. <10>	No. of Surviv.	Au.F.C.	% of cont. <10>	No. of Surviv.	Au.F.C.	% of cont. <10>	No. of Surviv.	Au.F.C.	% of cont. <10>	No. of Surviv.	Au.F.C.	% of cont. <10>	No. of Surviv.
1-7	10.3 (10)	10/10	10.2 (10)	99	10/10	10.2 (10)	99	10/10	10.0 (10)	97	10/10	9.2 (10)	89	10/10	10.3 (9)	100	10/10
2-7	10.8 (10)	10/10	10.6 (10)	98	10/10	10.8 (10)	100	10/10	10.6 (10)	98	10/10	10.1 (10)	94	10/10	9.6 (10)	89	10/10
3-7	10.7 (10)	10/10	10.9 (10)	102	10/10	11.0 (10)	103	10/10	10.7 (10)	100	10/10	10.0 (10)	93	10/10	9.5 (10)	89	10/10
4-7	10.5 (10)	10/10	10.5 (10)	100	10/10	10.4 (10)	99	10/10	10.6 (10)	101	10/10	10.4 (10)	99	10/10	8.9 (10)	85	10/10
5-7	10.5 (10)	10/10	10.4 (10)	99	10/10	10.5 (10)	100	10/10	10.6 (10)	101	10/10	10.1 (10)	96	10/10	9.0 (10)	86	10/10
6-7	10.0 (10)	10/10	10.0 (10)	100	10/10	9.8 (10)	98	10/10	9.8 (10)	98	10/10	10.0 (10)	100	10/10	8.9 (10)	89	10/10
7-7	10.4 (10)	10/10	10.2 (10)	98	10/10	10.9 (10)	105	10/10	10.6 (10)	102	10/10	10.4 (10)	100	10/10	8.9 (10)	86	10/10
8-7	10.1 (10)	10/10	9.9 (10)	98	10/10	10.0 (10)	99	10/10	10.0 (10)	99	10/10	9.9 (10)	98	10/10	8.7 (10)	86	10/10
9-7	9.8 (10)	10/10	9.6 (10)	98	10/10	9.9 (10)	101	10/10	9.6 (10)	98	10/10	9.7 (10)	99	10/10	9.5 (10)	97	10/10
10-7	9.8 (10)	10/10	9.7 (10)	99	10/10	9.8 (10)	100	10/10	9.9 (10)	101	10/10	9.9 (10)	101	10/10	8.8 (10)	90	10/10
11-7	9.7 (10)	10/10	9.4 (10)	97	10/10	9.8 (10)	101	10/10	9.3 (10)	96	10/10	9.8 (10)	101	10/10	8.7 (10)	90	10/10
12-7	10.0 (10)	10/10	9.7 (10)	97	10/10	9.7 (10)	97	10/10	9.6 (10)	96	10/10	9.7 (10)	97	10/10	8.7 (10)	87	10/10
13-7	9.8 (10)	10/10	9.6 (10)	98	10/10	9.8 (10)	100	10/10	9.4 (10)	96	10/10	9.7 (10)	99	10/10	8.4 (10)	86	10/10

< >:No. of effective animals, ():No. of measured animals Au.F.C.: g

TABLE 10 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES IN MALE RAT
(TWO-YEAR STUDIES)

Week-Day on Study	Control		320 ppm			800 ppm			2000 ppm		
	Au.Wt.	No. of Surviv. (50)	Au.Wt.	% of cont. (50)	No. of Surviv.	Au.Wt.	% of cont. (50)	No. of Surviv.	Au.Wt.	% of cont. (50)	No. of Surviv.
0-0	131 (50)	50/50	131 (50)	100	50/50	131 (50)	100	50/50	131 (50)	100	50/50
1-7	169 (50)	50/50	169 (50)	100	50/50	168 (50)	99	50/50	157 (50)	93	50/50
2-7	201 (50)	50/50	201 (50)	100	50/50	198 (50)	99	50/50	188 (50)	94	50/50
3-7	228 (50)	50/50	228 (50)	100	50/50	226 (50)	99	50/50	215 (50)	94	50/50
4-7	249 (50)	50/50	248 (50)	100	50/50	248 (50)	100	50/50	235 (50)	94	50/50
5-7	266 (50)	50/50	266 (50)	100	50/50	266 (50)	100	50/50	253 (50)	95	50/50
6-7	279 (50)	50/50	280 (50)	100	50/50	280 (50)	100	50/50	266 (50)	95	50/50
7-7	294 (50)	50/50	296 (50)	101	50/50	297 (50)	101	50/50	282 (50)	96	50/50
8-7	305 (50)	50/50	306 (50)	100	50/50	307 (50)	101	50/50	292 (50)	96	50/50
9-7	317 (50)	50/50	319 (50)	101	50/50	319 (50)	101	50/50	303 (50)	96	50/50
10-7	324 (50)	50/50	327 (50)	101	50/50	325 (50)	100	50/50	310 (50)	96	50/50
11-7	333 (50)	50/50	336 (50)	101	50/50	334 (50)	100	50/50	317 (50)	95	50/50
12-7	339 (50)	50/50	342 (50)	101	50/50	339 (50)	100	50/50	323 (50)	95	50/50
13-7	345 (50)	50/50	349 (50)	101	50/50	346 (50)	100	50/50	329 (50)	95	50/50
14-7	350 (50)	50/50	353 (50)	101	50/50	350 (50)	100	50/50	334 (50)	95	50/50
16-7	361 (50)	50/50	364 (50)	101	50/50	360 (50)	100	50/50	342 (50)	95	50/50
18-7	371 (50)	50/50	374 (50)	101	50/50	371 (50)	100	50/50	351 (50)	95	50/50
20-7	380 (50)	50/50	383 (50)	101	50/50	379 (50)	100	50/50	359 (50)	94	50/50
22-7	389 (50)	50/50	393 (50)	101	50/50	389 (50)	100	50/50	367 (50)	94	50/50
24-7	396 (50)	50/50	400 (50)	101	50/50	397 (50)	100	50/50	374 (50)	94	50/50
26-7	404 (50)	50/50	408 (50)	101	50/50	405 (50)	100	50/50	381 (50)	94	50/50
28-7	410 (50)	50/50	415 (50)	101	50/50	412 (50)	100	50/50	387 (50)	94	50/50
30-7	417 (50)	50/50	423 (50)	101	50/50	420 (50)	101	50/50	394 (50)	94	50/50
32-7	422 (50)	50/50	427 (50)	101	50/50	423 (50)	100	50/50	398 (50)	94	50/50
34-7	429 (50)	50/50	432 (50)	101	50/50	431 (50)	100	50/50	403 (50)	94	50/50
36-7	433 (50)	50/50	437 (50)	101	50/50	435 (50)	100	50/50	407 (50)	94	50/50
38-7	438 (50)	50/50	445 (50)	102	50/50	440 (50)	100	50/50	414 (50)	95	50/50
40-7	445 (50)	50/50	450 (50)	101	50/50	447 (50)	100	50/50	419 (50)	94	50/50
42-7	449 (50)	50/50	455 (50)	101	50/50	451 (50)	100	50/50	424 (50)	94	50/50
44-7	453 (50)	50/50	458 (50)	101	50/50	455 (50)	100	50/50	428 (50)	94	50/50
46-7	457 (50)	50/50	462 (50)	101	50/50	459 (50)	100	50/50	431 (50)	94	50/50
48-7	461 (50)	50/50	466 (50)	101	50/50	463 (50)	100	50/50	436 (50)	95	50/50
50-7	460 (50)	50/50	469 (50)	102	50/50	467 (50)	102	50/50	444 (50)	97	50/50
52-7	465 (50)	50/50	470 (50)	101	50/50	467 (50)	100	50/50	440 (50)	95	50/50
54-7	469 (50)	50/50	472 (50)	101	50/50	470 (50)	100	50/50	441 (50)	94	50/50
56-7	473 (50)	50/50	475 (50)	100	50/50	472 (50)	100	50/50	444 (50)	94	50/50
58-7	476 (50)	50/50	478 (50)	100	50/50	474 (50)	100	50/50	447 (50)	94	50/50
60-7	478 (50)	50/50	481 (50)	101	50/50	476 (50)	100	50/50	446 (50)	93	50/50
62-7	481 (50)	50/50	483 (50)	100	50/50	479 (50)	100	50/50	450 (50)	94	50/50
64-7	483 (50)	50/50	487 (50)	101	50/50	480 (50)	99	50/50	451 (50)	93	50/50
66-7	484 (50)	50/50	487 (50)	101	50/50	481 (50)	99	50/50	453 (50)	94	50/50
68-7	485 (50)	50/50	490 (50)	101	50/50	482 (50)	99	50/50	453 (50)	93	50/50
70-7	485 (50)	50/50	491 (50)	101	50/50	483 (50)	100	50/50	455 (50)	94	50/50
72-7	486 (50)	50/50	491 (50)	101	50/50	482 (50)	99	50/50	456 (50)	94	50/50
74-7	488 (50)	50/50	492 (50)	101	50/50	484 (50)	99	50/50	459 (50)	94	50/50
76-7	486 (50)	50/50	490 (50)	101	50/50	483 (50)	99	50/50	457 (50)	94	50/50
78-7	488 (48)	48/50	489 (50)	100	50/50	482 (50)	99	50/50	456 (50)	93	50/50
80-7	486 (48)	48/50	488 (49)	100	49/50	479 (50)	99	50/50	453 (50)	93	50/50
82-7	488 (46)	46/50	482 (49)	99	49/50	476 (50)	98	50/50	450 (50)	92	50/50
84-7	483 (45)	45/50	478 (49)	99	49/50	472 (50)	98	50/50	448 (50)	93	50/50
86-7	479 (45)	45/50	470 (49)	98	49/50	467 (49)	97	49/50	445 (50)	93	50/50
88-7	479 (44)	44/50	475 (46)	99	46/50	462 (49)	96	49/50	440 (49)	92	49/50
90-7	478 (44)	44/50	474 (46)	99	46/50	457 (49)	96	49/50	439 (48)	92	48/50
92-7	475 (44)	44/50	470 (45)	99	45/50	467 (46)	98	46/50	435 (47)	92	47/50
94-7	472 (42)	42/50	464 (44)	98	44/50	463 (46)	98	46/50	436 (46)	92	46/50
96-7	466 (41)	41/50	462 (43)	99	43/50	458 (45)	98	45/50	431 (45)	92	45/50
98-7	469 (39)	39/50	455 (43)	97	43/50	452 (44)	96	44/50	424 (45)	90	45/50
100-7	461 (38)	38/50	440 (41)	95	41/50	444 (43)	96	43/50	418 (43)	91	43/50
102-7	455 (37)	37/50	436 (38)	96	38/50	445 (42)	98	42/50	418 (42)	92	42/50
104-7	445 (36)	36/50	439 (35)	99	35/50	437 (42)	98	42/50	408 (40)	92	39/50

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

Au. Wt.: g

TABLE 11 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES IN FEMALE RAT
(TWO-YEAR STUDIES)

Week-Day on Study	Control		320 ppm			800 ppm			2000 ppm		
	Au.Wt.	No. of Surviv. <50>	Au.Wt.	% of cont. <50>	No. of Surviv.	Au.Wt.	% of cont. <50>	No. of Surviv.	Au.Wt.	% of cont. <50>	No. of Surviv.
0-0	106 (50)	50/50	106 (50)	100	50/50	106 (50)	100	50/50	106 (50)	100	50/50
1-7	125 (50)	50/50	125 (50)	100	50/50	123 (50)	98	50/50	118 (50)	94	50/50
2-7	140 (50)	50/50	139 (50)	99	50/50	136 (50)	97	50/50	132 (50)	94	50/50
3-7	151 (50)	50/50	150 (50)	99	50/50	147 (50)	97	50/50	142 (50)	94	50/50
4-7	161 (50)	50/50	158 (50)	98	50/50	156 (50)	97	50/50	149 (50)	93	50/50
5-7	169 (50)	50/50	167 (50)	99	50/50	155 (50)	98	50/50	156 (50)	92	50/50
6-7	175 (50)	50/50	172 (50)	98	50/50	159 (50)	97	50/50	160 (50)	91	50/50
7-7	181 (50)	50/50	179 (50)	99	50/50	175 (50)	97	50/50	165 (50)	91	50/50
8-7	185 (50)	50/50	182 (50)	98	50/50	179 (50)	97	50/50	167 (50)	90	50/50
9-7	191 (50)	50/50	187 (50)	98	50/50	184 (50)	96	50/50	171 (50)	90	50/50
10-7	193 (50)	50/50	190 (50)	98	50/50	186 (50)	96	50/50	172 (50)	89	50/50
11-7	198 (50)	50/50	194 (50)	98	50/50	190 (50)	96	50/50	176 (50)	89	50/50
12-7	200 (50)	50/50	195 (50)	98	50/50	192 (50)	96	50/50	178 (50)	89	50/50
13-7	203 (50)	50/50	198 (50)	98	50/50	194 (50)	96	50/50	180 (50)	89	50/50
14-7	204 (50)	50/50	199 (50)	98	50/50	195 (50)	96	50/50	181 (50)	89	50/50
16-7	210 (50)	50/50	203 (50)	97	50/50	198 (50)	94	50/50	184 (50)	88	50/50
18-7	213 (50)	50/50	207 (50)	97	50/50	201 (50)	94	50/50	186 (50)	87	50/50
20-7	216 (50)	50/50	210 (50)	97	50/50	203 (50)	94	50/50	189 (50)	88	50/50
22-7	220 (50)	50/50	213 (50)	97	50/50	206 (50)	94	50/50	191 (50)	87	50/50
24-7	223 (50)	50/50	216 (50)	97	50/50	208 (50)	93	50/50	193 (50)	87	50/50
26-7	227 (50)	50/50	220 (50)	97	50/50	212 (50)	93	50/50	196 (50)	86	50/50
28-7	231 (50)	50/50	222 (50)	96	50/50	215 (50)	93	50/50	197 (50)	85	50/50
30-7	233 (50)	50/50	225 (50)	97	50/50	216 (50)	93	50/50	199 (50)	85	50/50
32-7	236 (50)	50/50	227 (50)	96	50/50	219 (50)	93	50/50	201 (50)	85	50/50
34-7	241 (50)	50/50	230 (50)	95	50/50	222 (50)	92	50/50	205 (50)	85	50/50
36-7	242 (50)	50/50	233 (50)	96	50/50	223 (49)	92	49/50	206 (50)	85	50/50
38-7	246 (50)	50/50	236 (50)	96	50/50	228 (49)	93	49/50	209 (50)	85	50/50
40-7	251 (50)	50/50	240 (50)	96	50/50	231 (49)	92	49/50	212 (50)	84	50/50
42-7	255 (50)	50/50	244 (50)	96	50/50	234 (49)	92	49/50	214 (50)	84	50/50
44-7	256 (50)	50/50	245 (50)	96	50/50	235 (49)	92	49/50	216 (50)	84	50/50
46-7	258 (50)	50/50	247 (50)	96	50/50	237 (49)	92	49/50	218 (50)	84	50/50
48-7	263 (50)	50/50	250 (50)	95	50/50	241 (49)	92	49/50	220 (50)	84	50/50
50-7	266 (50)	50/50	254 (50)	95	50/50	246 (49)	92	49/50	230 (50)	86	50/50
52-7	270 (50)	50/50	256 (50)	95	50/50	246 (49)	91	49/50	226 (49)	84	49/50
54-7	275 (50)	50/50	260 (50)	95	50/50	250 (49)	91	49/50	227 (49)	83	49/50
56-7	279 (50)	50/50	264 (50)	95	50/50	252 (49)	90	49/50	230 (49)	82	49/50
58-7	284 (50)	50/50	267 (50)	94	50/50	255 (49)	90	49/50	233 (49)	82	49/50
60-7	287 (50)	50/50	270 (50)	94	50/50	257 (49)	90	49/50	236 (49)	82	49/50
62-7	291 (50)	50/50	274 (50)	94	50/50	262 (49)	90	49/50	241 (49)	83	49/50
64-7	298 (50)	50/50	281 (50)	94	50/50	267 (49)	90	49/50	245 (49)	82	49/50
66-7	302 (50)	50/50	285 (50)	94	50/50	271 (49)	90	49/50	249 (49)	82	49/50
68-7	306 (50)	50/50	290 (50)	95	50/50	276 (49)	90	49/50	252 (49)	82	49/50
70-7	311 (50)	50/50	296 (50)	95	50/50	281 (49)	90	49/50	257 (49)	83	49/50
72-7	315 (50)	50/50	300 (50)	95	50/50	283 (49)	90	49/50	262 (49)	83	49/50
74-7	316 (49)	49/50	305 (50)	97	50/50	289 (49)	91	49/50	268 (48)	85	48/50
76-7	325 (47)	47/50	309 (50)	95	50/50	292 (49)	90	49/50	270 (48)	83	48/50
78-7	331 (46)	46/50	312 (50)	94	50/50	297 (49)	90	49/50	274 (48)	83	48/50
80-7	331 (46)	46/50	313 (50)	95	50/50	297 (49)	90	49/50	275 (47)	83	47/50
82-7	331 (46)	46/50	315 (50)	95	50/50	299 (49)	90	49/50	277 (47)	84	47/50
84-7	331 (46)	46/50	317 (49)	96	49/50	302 (49)	91	49/50	278 (47)	84	47/50
86-7	333 (46)	45/50	320 (49)	96	49/50	303 (49)	91	49/50	282 (46)	85	45/50
88-7	334 (45)	45/50	321 (49)	96	49/50	301 (48)	90	48/50	285 (45)	85	45/50
90-7	338 (45)	45/50	322 (49)	95	49/50	301 (48)	89	48/50	288 (45)	85	45/50
92-7	340 (44)	44/50	322 (48)	95	48/50	307 (47)	90	47/50	289 (45)	85	45/50
94-7	340 (44)	44/50	329 (46)	97	46/50	308 (47)	91	46/50	291 (45)	86	45/50
96-7	341 (44)	44/50	328 (46)	96	45/50	311 (46)	91	46/50	292 (44)	86	44/50
98-7	341 (44)	44/50	331 (45)	97	45/50	311 (44)	91	44/50	292 (43)	86	43/50
100-7	334 (43)	43/50	332 (45)	99	45/50	309 (44)	93	44/50	290 (42)	87	41/50
102-7	331 (42)	42/50	334 (45)	101	45/50	310 (44)	94	44/50	296 (37)	89	37/50
104-7	327 (42)	42/50	327 (43)	100	43/50	306 (44)	94	44/50	289 (35)	88	35/50

(>) : No. of effective animals, () : No. of measured animals

Au. Wt. : g

TABLE 12 FOOD CONSUMPTION IN MALE RAT
(TWO-YEAR STUDIES)

Week-Day on Study	Control		320 ppm			800 ppm			2000 ppm		
	AU.FC.	No. of Surviv. <50>	AU.FC.	% of cont. <50>	No. of Surviv.	AU.FC.	% of cont. <50>	No. of Surviv.	AU.FC.	% of cont. <50>	No. of Surviv.
1-7	14.3 (50)	50/50	13.9 (50)	97	50/50	13.6 (50)	95	50/50	11.3 (49)	79	50/50
2-7	15.3 (50)	50/50	15.2 (50)	99	50/50	15.1 (50)	99	50/50	14.2 (50)	93	50/50
3-7	15.8 (50)	50/50	15.6 (50)	99	50/50	15.6 (49)	99	50/50	14.9 (50)	94	50/50
4-7	15.7 (50)	50/50	15.6 (50)	99	50/50	15.7 (50)	100	50/50	14.8 (50)	94	50/50
5-7	15.7 (50)	50/50	15.7 (50)	100	50/50	15.8 (50)	101	50/50	14.9 (50)	95	50/50
6-7	15.2 (50)	50/50	15.4 (50)	101	50/50	15.4 (50)	101	50/50	14.8 (50)	97	50/50
7-7	15.5 (50)	50/50	15.8 (50)	102	50/50	15.5 (50)	100	50/50	15.2 (50)	98	50/50
8-7	15.4 (50)	50/50	15.6 (50)	101	50/50	15.3 (50)	99	50/50	14.5 (50)	94	50/50
9-7	15.5 (50)	50/50	15.4 (50)	99	50/50	15.5 (50)	100	50/50	14.6 (50)	94	50/50
10-7	15.1 (50)	50/50	15.3 (50)	101	50/50	15.0 (50)	99	50/50	14.5 (50)	96	50/50
11-7	15.1 (50)	50/50	15.1 (50)	100	50/50	14.9 (50)	99	50/50	14.6 (50)	97	50/50
12-7	14.7 (50)	50/50	15.1 (50)	103	50/50	14.8 (50)	101	50/50	14.1 (50)	96	50/50
13-7	14.8 (50)	50/50	14.8 (50)	100	50/50	14.6 (50)	99	50/50	14.2 (50)	96	50/50
14-7	14.5 (50)	50/50	14.5 (50)	100	50/50	14.4 (50)	99	50/50	14.1 (50)	97	50/50
16-7	14.5 (50)	50/50	14.6 (50)	101	50/50	14.7 (50)	101	50/50	14.1 (50)	97	50/50
18-7	14.7 (50)	50/50	14.9 (50)	101	50/50	14.9 (50)	101	50/50	14.1 (50)	96	50/50
20-7	15.0 (50)	50/50	15.0 (50)	100	50/50	14.9 (50)	99	50/50	14.3 (50)	95	50/50
22-7	15.0 (50)	50/50	15.1 (50)	101	50/50	15.0 (50)	100	50/50	14.3 (50)	95	50/50
24-7	15.4 (50)	50/50	15.4 (50)	100	50/50	15.5 (50)	101	50/50	14.8 (50)	96	50/50
26-7	15.8 (50)	50/50	15.9 (50)	101	50/50	15.9 (50)	101	50/50	15.3 (50)	97	50/50
28-7	15.5 (50)	50/50	15.6 (50)	101	50/50	15.7 (50)	101	50/50	14.9 (50)	96	50/50
30-7	15.4 (50)	50/50	15.6 (50)	101	50/50	15.5 (50)	101	50/50	15.1 (50)	98	50/50
32-7	15.3 (50)	50/50	15.4 (50)	101	50/50	15.3 (50)	100	50/50	14.9 (50)	97	50/50
34-7	16.1 (50)	50/50	15.9 (50)	99	50/50	16.1 (50)	100	50/50	15.5 (50)	96	50/50
36-7	15.7 (50)	50/50	15.9 (50)	101	50/50	15.8 (50)	101	50/50	15.6 (50)	99	50/50
38-7	15.7 (50)	50/50	15.9 (50)	101	50/50	16.0 (50)	102	50/50	15.5 (50)	99	50/50
40-7	16.0 (50)	50/50	16.1 (50)	101	50/50	15.9 (50)	99	50/50	15.2 (50)	95	50/50
42-7	15.9 (50)	50/50	16.1 (50)	101	50/50	15.9 (50)	100	50/50	15.6 (50)	98	50/50
44-7	16.1 (50)	50/50	16.0 (50)	99	50/50	16.0 (50)	99	50/50	15.6 (50)	97	50/50
46-7	15.9 (50)	50/50	16.1 (50)	101	50/50	15.9 (50)	100	50/50	15.6 (50)	98	50/50
48-7	15.9 (50)	50/50	16.2 (50)	102	50/50	16.1 (50)	101	50/50	15.1 (50)	95	50/50
52-7	15.8 (50)	50/50	15.7 (50)	99	50/50	15.5 (50)	98	50/50	15.0 (50)	95	50/50
54-7	16.0 (50)	50/50	15.9 (50)	99	50/50	15.8 (50)	99	50/50	15.1 (50)	94	50/50
56-7	16.0 (50)	50/50	16.1 (50)	101	50/50	15.7 (50)	98	50/50	15.3 (50)	96	50/50
58-7	15.9 (50)	50/50	16.1 (50)	101	50/50	15.8 (50)	99	50/50	15.4 (50)	97	50/50
60-7	15.9 (50)	50/50	16.2 (50)	102	50/50	15.9 (50)	100	50/50	15.3 (50)	96	50/50
62-7	16.1 (50)	50/50	16.1 (50)	100	50/50	15.8 (50)	98	50/50	15.7 (50)	98	50/50
64-7	15.8 (50)	50/50	16.1 (50)	102	50/50	15.6 (50)	99	50/50	15.0 (50)	95	50/50
66-7	15.7 (50)	50/50	16.0 (50)	102	50/50	15.6 (50)	99	50/50	15.3 (50)	97	50/50
68-7	15.5 (50)	50/50	15.9 (50)	103	50/50	15.7 (50)	101	50/50	15.1 (50)	97	50/50
70-7	15.1 (50)	50/50	15.5 (50)	103	50/50	15.2 (50)	101	50/50	14.9 (50)	99	50/50
72-7	15.3 (50)	50/50	15.6 (50)	102	50/50	14.9 (50)	97	50/50	15.0 (50)	98	50/50
74-7	15.7 (50)	50/50	15.7 (50)	100	50/50	15.6 (50)	99	50/50	14.9 (50)	95	50/50
76-7	14.9 (50)	50/50	15.4 (50)	103	50/50	15.0 (50)	101	50/50	14.6 (50)	98	50/50
78-7	15.3 (48)	48/50	15.4 (50)	101	50/50	15.4 (50)	101	50/50	14.8 (50)	97	50/50
80-7	15.4 (48)	48/50	15.4 (49)	100	49/50	15.3 (50)	99	50/50	14.8 (50)	96	50/50
82-7	15.2 (47)	46/50	15.2 (49)	100	49/50	15.3 (50)	101	50/50	14.8 (50)	97	50/50
84-7	15.6 (46)	45/50	15.5 (49)	99	49/50	15.4 (50)	99	50/50	15.1 (50)	97	50/50
86-7	15.5 (45)	45/50	15.0 (49)	97	49/50	14.9 (49)	96	49/50	14.8 (50)	95	50/50
88-7	15.3 (44)	44/50	15.3 (46)	100	46/50	14.7 (49)	96	49/50	14.1 (50)	92	49/50
90-7	15.6 (44)	44/50	15.8 (46)	101	46/50	15.0 (49)	96	49/50	14.8 (48)	95	48/50
92-7	15.2 (44)	44/50	15.7 (45)	103	45/50	15.6 (46)	103	46/50	14.6 (47)	96	47/50
94-7	15.2 (43)	42/50	15.4 (45)	101	44/50	15.6 (46)	103	46/50	14.6 (46)	96	46/50
96-7	15.6 (33)	41/50	15.8 (43)	101	43/50	15.0 (46)	96	45/50	14.4 (45)	92	45/50
98-7	15.3 (40)	39/50	15.3 (43)	100	43/50	14.5 (44)	95	44/50	14.3 (45)	93	45/50
100-7	15.2 (39)	38/50	14.3 (42)	94	41/50	14.6 (43)	96	43/50	14.4 (43)	95	43/50
104-7	14.6 (36)	36/50	15.2 (35)	104	35/50	14.2 (41)	97	42/50	13.8 (41)	95	39/50

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

AU.FC.: g

TABLE 13 FOOD CONSUMPTION IN FEMALE RAT
(TWO-YEAR STUDIES)

Week-Day on Study	Control		320 ppm			800 ppm			2000 ppm		
	Au.F.C.	No. of Surviv. (50)	Au.F.C.	% of cont. (50)	No. of Surviv.	Au.F.C.	% of cont. (50)	No. of Surviv.	Au.F.C.	% of cont. (50)	No. of Surviv.
1-7	10.9 (50)	50/50	10.6 (50)	97	50/50	10.2 (50)	94	50/50	9.6 (50)	88	50/50
2-7	11.1 (50)	50/50	10.9 (50)	98	50/50	10.7 (50)	96	50/50	10.2 (50)	92	50/50
3-7	11.2 (50)	50/50	11.3 (50)	101	50/50	10.9 (50)	97	50/50	10.4 (50)	93	50/50
4-7	11.1 (50)	50/50	11.1 (50)	100	50/50	10.9 (50)	98	50/50	10.1 (50)	91	50/50
5-7	11.5 (50)	50/50	11.3 (50)	98	50/50	11.0 (50)	96	50/50	10.3 (50)	90	50/50
6-7	11.1 (49)	50/50	10.9 (50)	98	50/50	10.8 (50)	97	50/50	9.9 (50)	89	50/50
7-7	11.2 (50)	50/50	11.1 (50)	99	50/50	11.0 (50)	98	50/50	10.3 (50)	92	50/50
8-7	10.8 (50)	50/50	10.5 (50)	97	50/50	10.6 (50)	98	50/50	9.6 (50)	89	50/50
9-7	11.1 (49)	50/50	10.6 (50)	95	50/50	11.0 (49)	99	50/50	9.9 (50)	89	50/50
10-7	10.8 (50)	50/50	10.5 (50)	97	50/50	10.7 (50)	99	50/50	10.0 (50)	93	50/50
11-7	10.9 (50)	50/50	11.0 (50)	101	50/50	11.1 (50)	102	50/50	10.1 (50)	93	50/50
12-7	10.7 (50)	50/50	10.5 (50)	98	50/50	10.7 (50)	100	50/50	9.7 (50)	91	50/50
13-7	10.9 (50)	50/50	10.6 (49)	97	50/50	11.3 (50)	104	50/50	9.8 (48)	90	50/50
14-7	10.4 (50)	50/50	10.3 (50)	99	50/50	10.7 (50)	103	50/50	9.6 (50)	92	50/50
16-7	10.6 (50)	50/50	10.7 (50)	101	50/50	10.8 (50)	102	50/50	9.8 (50)	92	50/50
18-7	10.5 (50)	50/50	10.6 (50)	101	50/50	10.5 (50)	100	50/50	9.8 (50)	93	50/50
20-7	10.5 (50)	50/50	10.6 (50)	101	50/50	10.8 (49)	103	50/50	10.1 (50)	96	50/50
22-7	10.7 (50)	50/50	10.4 (50)	97	50/50	10.7 (50)	100	50/50	9.8 (50)	92	50/50
24-7	11.1 (50)	50/50	10.8 (50)	97	50/50	11.3 (50)	102	50/50	10.2 (50)	92	50/50
26-7	11.4 (50)	50/50	11.4 (50)	100	50/50	11.7 (50)	103	50/50	10.8 (50)	95	50/50
28-7	11.0 (50)	50/50	11.1 (50)	101	50/50	11.5 (50)	105	50/50	10.4 (50)	95	50/50
30-7	11.0 (48)	50/50	10.9 (50)	99	50/50	11.2 (50)	102	50/50	10.5 (50)	95	50/50
32-7	11.3 (50)	50/50	11.1 (50)	98	50/50	11.2 (50)	99	50/50	10.5 (50)	93	50/50
34-7	12.0 (50)	50/50	11.8 (50)	98	50/50	11.8 (50)	98	50/50	10.8 (50)	90	50/50
36-7	11.4 (50)	50/50	11.4 (50)	100	50/50	11.6 (49)	102	49/50	10.6 (50)	93	50/50
38-7	11.6 (50)	50/50	11.7 (50)	101	50/50	12.1 (49)	104	49/50	10.7 (50)	92	50/50
40-7	12.0 (50)	50/50	11.9 (50)	99	50/50	11.9 (49)	99	49/50	10.9 (50)	91	50/50
42-7	12.0 (50)	50/50	11.8 (50)	98	50/50	11.9 (49)	99	49/50	11.1 (50)	93	50/50
44-7	12.2 (50)	50/50	12.0 (50)	98	50/50	12.3 (49)	101	49/50	11.4 (50)	93	50/50
46-7	11.7 (50)	50/50	11.6 (50)	99	50/50	11.9 (48)	102	49/50	10.8 (50)	92	50/50
48-7	12.2 (50)	50/50	12.1 (50)	99	50/50	12.4 (49)	102	49/50	11.2 (50)	92	50/50
52-7	12.1 (50)	50/50	12.2 (50)	101	50/50	11.9 (49)	98	49/50	10.8 (49)	89	49/50
54-7	12.4 (50)	50/50	12.2 (50)	98	50/50	12.0 (49)	97	49/50	11.0 (49)	89	49/50
56-7	12.5 (50)	50/50	12.2 (50)	98	50/50	11.9 (49)	95	49/50	11.0 (49)	88	49/50
58-7	12.6 (50)	50/50	12.3 (50)	98	50/50	12.3 (49)	98	49/50	11.5 (49)	91	49/50
60-7	12.6 (50)	50/50	12.4 (50)	98	50/50	12.4 (49)	98	49/50	11.5 (49)	91	49/50
62-7	12.5 (50)	50/50	12.7 (50)	102	50/50	12.5 (49)	100	49/50	12.0 (49)	96	49/50
64-7	12.5 (50)	50/50	12.7 (50)	102	50/50	12.5 (49)	100	49/50	11.8 (49)	94	49/50
66-7	12.5 (50)	50/50	12.8 (50)	102	50/50	12.5 (49)	100	49/50	11.9 (49)	95	49/50
68-7	12.4 (50)	50/50	12.8 (50)	103	50/50	12.5 (49)	101	49/50	11.7 (49)	94	49/50
70-7	12.5 (50)	50/50	12.5 (50)	100	50/50	12.2 (49)	98	49/50	11.5 (49)	92	49/50
72-7	12.4 (50)	50/50	12.6 (50)	102	50/50	13.2 (49)	106	49/50	12.0 (49)	97	49/50
74-7	12.0 (50)	49/50	12.8 (50)	107	50/50	12.5 (49)	104	49/50	11.8 (49)	98	48/50
76-7	12.2 (47)	47/50	12.2 (50)	100	50/50	12.1 (49)	99	49/50	11.5 (48)	94	48/50
78-7	12.4 (47)	46/50	12.5 (50)	101	50/50	12.5 (49)	101	49/50	11.9 (48)	96	48/50
80-7	12.4 (46)	46/50	12.3 (50)	99	50/50	12.3 (49)	99	49/50	12.0 (47)	97	47/50
82-7	12.4 (46)	46/50	12.6 (50)	102	50/50	12.7 (49)	102	49/50	12.0 (47)	97	47/50
84-7	12.3 (46)	46/50	12.5 (50)	102	49/50	12.7 (49)	103	49/50	12.0 (47)	98	47/50
86-7	12.5 (46)	45/50	12.9 (49)	103	49/50	12.6 (49)	101	49/50	12.2 (46)	98	45/50
88-7	12.3 (45)	45/50	12.4 (49)	101	49/50	11.8 (48)	96	48/50	11.8 (45)	96	45/50
90-7	13.1 (45)	45/50	12.7 (49)	97	49/50	12.2 (48)	93	48/50	12.2 (45)	93	45/50
92-7	12.7 (45)	44/50	12.6 (48)	99	48/50	13.2 (47)	104	47/50	11.8 (45)	93	45/50
94-7	12.8 (44)	44/50	13.1 (47)	102	46/50	12.9 (47)	101	46/50	12.0 (45)	94	45/50
96-7	13.0 (44)	44/50	13.1 (46)	101	45/50	13.1 (46)	101	46/50	11.8 (44)	91	44/50
98-7	12.5 (44)	44/50	13.2 (45)	106	45/50	13.2 (46)	106	44/50	11.7 (43)	94	43/50
100-7	11.7 (44)	43/50	13.4 (45)	115	45/50	12.6 (44)	108	44/50	11.6 (42)	99	41/50
104-7	11.9 (40)	42/50	12.7 (44)	107	43/50	12.1 (44)	102	44/50	11.7 (35)	98	35/50

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

Au.F.C.: g

Table 14 CLINICAL OBSERVATION (104W-SUMMARY) -RATS-

Findings	Male				Female			
	2000ppm S (DM)*	800ppm S (DM)	320ppm S (DM)	0ppm S (DM)	2000ppm S (DM)	800ppm S (DM)	320ppm S (DM)	0ppm S (DM)
COLORED (着色)	39(11)	42(8)	25(7)	0(0)	35(12)	38(3)	10(1)	1(0)
YELLOW URINE (黄色尿)	39(11)	42(8)	35(12)	0(0)	35(13)	44(5)	43(6)	1(0)
SOILED PERI GENITALIA (尿による外陰部周囲の汚染)	25(9)	5(2)	0(9)	0(6)	35(14)	32(5)	27(6)	18(4)
HUNCHBACK POSITION (円背位)	15(7)	8(6)	4(10)	1(6)	31(13)	22(5)	13(6)	7(3)
INTERNAL MASS (内部腫瘍)	0(0)	5(0)	2(0)	0(0)	0(3)	0(1)	1(1)	3(0)
EXTERNAL MASS (外部腫瘍)	-----							
M. NOSE (鼻腫瘍)	2(0)	1(0)	1(0)	1(0)	0(0)	1(0)	0(0)	0(0)
M. EYE (眼腫瘍)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	1(0)	0(0)
M. PERI MOUTH (口周囲腫瘍)	0(0)	2(1)	4(1)	5(1)	1(0)	2(0)	0(0)	4(0)
M. ORAL CAVITY (口腔内部腫瘍)	0(0)	2(0)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)
M. PERI EAR (耳根部腫瘍)	0(1)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
M. HEAD (頭部腫瘍)	1(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)	0(0)
M. NECK (頸部腫瘍)	0(1)	1(0)	0(0)	1(0)	1(1)	1(0)	0(0)	0(0)
M. FORLIMB (前肢腫瘍)	0(0)	0(0)	0(0)	0(1)	0(0)	1(0)	0(0)	2(0)
M. BREAST (胸部腫瘍)	5(1)	5(0)	3(1)	2(1)	6(4)	4(0)	4(1)	6(1)
M. ABDOMEN (腹部腫瘍)	10(2)	10(3)	5(2)	3(1)	8(2)	6(3)	3(1)	9(1)
M. ANTERIOR. DORSUM (背側前部腫瘍)	2(1)	1(1)	1(2)	2(2)	0(1)	1(0)	1(0)	2(0)
M. POSTERIOR. DORSUM (背側後部腫瘍)	1(0)	4(0)	1(0)	2(1)	1(0)	0(0)	0(0)	1(0)
M. HINDLIMB (後肢腫瘍)	2(0)	2(0)	3(1)	0(0)	0(0)	1(1)	0(1)	0(0)
M. GENITALIA (外陰部腫瘍)	2(1)	4(1)	1(1)	1(0)	5(4)	6(2)	5(3)	12(1)
M. TAIL (尾腫瘍)	6(0)	6(1)	11(4)	12(1)	3(1)	1(0)	3(0)	0(0)
NO. of Animals with EXTERNAL MASS	20(6)	21(5)	19(8)	18(5)	16(8)	17(3)	16(5)	21(3)
NO. of Survival Animals (Dead & Moribund Animals)	39(11)	42(8)	35(15)	36(14)	35(15)	44(6)	43(7)	42(8)
NO. of Observed Animals	50	50	50	50	50	50	50	50

* : S=Survival Animals (DM=Dead & Moribund Animals)

TABLE 15 NEOPLASTIC LESIONS (KIDNEY) INCIDENCE AND STATISTICAL ANALYSIS : RAT:MALE

Group Name	Control	320 ppm	800 ppm	2000 ppm
SITE	: kidney			
TUMOR	: renal cell adenoma			
Overall Rates (a)	0/50 (0.0)	1/50 (2.0)	1/50 (2.0)	6/50 (12.0)
Adjusted Rates (b)	0.0	2.70	2.38	15.38
Terminal Rates (c)	0/36 (0.0)	0/35 (0.0)	1/42 (2.4)	6/39 (15.4)
Standard Rates (d)	P=-----			
Prevalence Rates (d)	P=0.0014**			
Combind analysis (d)	P=-----			
Cochran-Armitage Test (e)	P=0.0011**			
Fisher Exact Test (e)		P=0.4950	P=0.4950	P=0.0190*

TABLE 16 NEOPLASTIC LESIONS (PREPUTIAL/CLITORAL GLAND) INCIDENCE AND STATISTICAL ANALYSIS : RAT:MALE

Group Name	Control	320 ppm	800 ppm	2000 ppm
SITE	: preputial/clitoral gland			
TUMOR	: adenoma			
Overall Rates (a)	0/50 (0.0)	2/50 (4.0)	4/50 (8.0)	5/50 (10.0)
Adjusted Rates (b)	0.0	5.71	7.14	10.00
Terminal Rates (c)	0/36 (0.0)	2/35 (5.7)	3/42 (7.1)	3/39 (7.7)
Standard Rates (d)	P=0.3989			
Prevalence Rates (d)	P=0.0231*			
Combind analysis (d)	P=0.0286*			
Cochran-Armitage Test (e)	P=0.0318*			
Fisher Exact Test (e)		P=0.2574	P=0.0638	P=0.0360*

TABLE 17 NEOPLASTIC LESIONS (MAMMARY GLAND) INCIDENCE AND STATISTICAL ANALYSIS : RAT:FEMALE

Group Name	Control	320 ppm	800 ppm	2000 ppm
SITE	: mammary gland			
TUMOR	: adenocarcinoma			
Overall Rates (a)	1/50 (2.0)	1/50 (2.0)	1/50 (2.0)	5/50 (10.0)
Adjusted Rates (b)	0.0	2.33	0.0	10.87
Terminal Rates (c)	0/42 (0.0)	1/35 (2.3)	0/44 (0.0)	3/35 (8.6)
Standard Rates (d)	P=0.7109			
Prevalence Rates (d)	P=0.0015**			
Combind analysis (d)	P=0.0137*			
Cochran-Armitage Test (e)	P=0.0205*			
Fisher Exact Test (e)		P=0.2475	P=0.2475	P=0.1210

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

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

(c): Observed tumor incidence at terminal kill.

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

Standard method : Death analysis

Prevalence method : Incidental tumor test

Combind analysis : Death analysis + Incidental tumor test

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

? : The conditional probabilities of the largest and smallest possible outcomes can not be estimated or this P-value beyond the estimated P-value.

-----: There is no data which should be statistical analysis.

TABLE 18 CAUSE OF DEATH : R A T

Sex	Male				Female			
	Control	320ppm	800ppm	2000ppm	Control	320ppm	800ppm	2000ppm
Number of Dead/Moribund Animal	14	15	8	11	8	7	6	15
cardiovascular lesion	1							
digestive system lesion	1							
respiratory system lesion					1			1
hepatic lesion		1						
renal lesion	2		1					
pneumonia				1				
chronic nephropathy	1	2		2				
Tumor death : leukemia	2	1	1	1	1	1	1	3
: subcutis	2		3	2		1		
: bone marrow	1							
: spleen	1			1				
: liver		1						
: pancreas	1							1
: pituitary gland	1	7		1	3		1	3
: ovary								2
: uterus					1	1	1	2
: adrenal				1				
: mammary gland		1			2	2	2	1
: preputial/clitoral gland			1			2	1	
: brain			1	1				1
: retroperitoneum								1
: Zymbal gland				1				
: vertebra		1	1					
: peritoneum	1	1						

TABLE 19 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES IN MALE MOUSE (TWO-WEEK STUDIES)

Week-Day on Study	Control			222 ppm			667 ppm			2000 ppm			6000 ppm			18000 ppm		
	Au.Wt.	No. of Surviv. <10>		Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.
0-0	19.8 (10)	10/10		19.8 (10)	100	10/10	19.8 (10)	100	10/10	19.8 (10)	100	10/10	19.8 (10)	100	10/10	19.8 (10)	100	10/10
1-1	22.9 (10)	10/10		22.6 (10)	99	10/10	22.2 (10)	97	10/10	19.5 (10)	85	10/10	17.5 (10)	76	10/10	17.1 (10)	75	10/10
1-2	23.0 (10)	10/10		22.9 (10)	100	10/10	22.6 (10)	98	10/10	19.5 (10)	85	10/10	16.5 (10)	72	10/10	15.8 (10)	69	10/10
1-4	23.6 (10)	10/10		23.1 (10)	98	10/10	23.1 (10)	98	10/10	21.1 (10)	89	10/10	15.1 (10)	64	9/10	14.2 (8)	60	2/10
1-7	23.8 (10)	10/10		23.4 (10)	98	10/10	22.9 (10)	96	10/10	22.7 (10)	95	10/10	13.7 (6)	58	5/10	- (-)	-	0/10
2-4	24.4 (10)	10/10		24.3 (10)	100	10/10	23.8 (10)	98	10/10	23.3 (10)	95	10/10	14.0 (2)	57	2/10	- (-)	-	0/10
2-7	24.3 (10)	10/10		23.4 (10)	96	10/10	23.6 (10)	97	10/10	22.9 (10)	94	10/10	13.7 (1)	56	1/10	- (-)	-	0/10

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

TABLE 20 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES IN FEMALE MOUSE (TWO-WEEK STUDIES)

Week-Day on Study	Control			222 ppm			667 ppm			2000 ppm			6000 ppm			18000 ppm		
	Au.Wt.	No. of Surviv. <10>		Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.
0-0	17.5 (10)	10/10		17.5 (10)	100	10/10	17.5 (10)	100	10/10	17.5 (10)	100	10/10	17.5 (10)	100	10/10	17.5 (10)	100	10/10
1-1	18.5 (10)	10/10		18.5 (10)	100	10/10	19.1 (10)	103	10/10	16.9 (10)	91	10/10	15.5 (10)	84	10/10	15.1 (10)	82	10/10
1-2	18.5 (10)	10/10		18.6 (10)	101	10/10	19.5 (10)	105	10/10	17.3 (10)	94	10/10	14.7 (10)	79	10/10	13.7 (10)	74	10/10
1-4	18.6 (10)	10/10		18.5 (10)	99	10/10	19.9 (10)	107	10/10	19.0 (10)	102	10/10	13.5 (10)	73	10/10	11.7 (10)	63	4/10
1-7	18.3 (10)	10/10		18.7 (10)	102	10/10	19.7 (10)	108	10/10	19.4 (10)	106	10/10	12.1 (9)	66	7/10	- (-)	-	0/10
2-4	18.7 (10)	10/10		19.2 (10)	103	10/10	19.8 (10)	106	10/10	19.4 (10)	104	10/10	12.4 (4)	66	3/10	- (-)	-	0/10
2-7	18.8 (10)	10/10		19.1 (10)	102	10/10	19.8 (10)	105	10/10	19.6 (10)	104	10/10	13.9 (2)	74	2/10	- (-)	-	0/10

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

TABLE 21 FOOD CONSUMPTION IN MALE MOUSE (TWO-WEEK STUDIES)

Week-Day on Study	Control		222 ppm			667 ppm			2000 ppm			6000 ppm			18000 ppm		
	AU.F.C. <10>	No. of Surviv. <10>	AU.F.C.	% of cont. <10>	No. of Surviv.	AU.F.C.	% of cont. <10>	No. of Surviv.	AU.F.C.	% of cont. <10>	No. of Surviv.	AU.F.C.	% of cont. <10>	No. of Surviv.	AU.F.C.	% of cont. <10>	No. of Surviv.
1-7	4.5 (10)	10/10	4.3 (10)	96	10/10	4.3 (10)	96	10/10	4.4 (10)	98	10/10	1.5 (6)	33	5/10	- (-)	-	0/10
2-7	3.7 (10)	10/10	3.6 (10)	97	10/10	3.5 (10)	95	10/10	3.7 (10)	100	10/10	2.5 (1)	68	1/10	- (-)	-	0/10

< >:No. of effective animals, ():No. of measured animals AU.F.C.: g

TABLE 22 FOOD CONSUMPTION IN FEMALE MOUSE (TWO-WEEK STUDIES)

Week-Day on Study	Control		222 ppm			667 ppm			2000 ppm			6000 ppm			18000 ppm		
	AU.F.C. <10>	No. of Surviv. <10>	AU.F.C.	% of cont. <10>	No. of Surviv.	AU.F.C.	% of cont. <10>	No. of Surviv.	AU.F.C.	% of cont. <10>	No. of Surviv.	AU.F.C.	% of cont. <10>	No. of Surviv.	AU.F.C.	% of cont. <10>	No. of Surviv.
1-7	3.2 (10)	10/10	3.3 (10)	103	10/10	3.9 (10)	122	10/10	4.5 (10)	141	10/10	1.7 (9)	53	7/10	- (-)	-	0/10
2-7	3.1 (10)	10/10	3.2 (10)	103	10/10	3.5 (10)	113	10/10	3.2 (10)	103	10/10	2.6 (2)	84	2/10	- (-)	-	0/10

< >:No. of effective animals, ():No. of measured animals AU.F.C.: g

TABLE 23 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES IN MALE MOUSE (THIRTEEN-WEEK STUDIES)

Week-Day on Study	Control			100 ppm			250 ppm			640 ppm			1600 ppm			4000 ppm		
	Au.Wt.	No. of Surviv. <10>		Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.
0-0	19.3 (10)	10/10		19.3 (10)	100	10/10	19.3 (10)	100	10/10	19.3 (10)	100	10/10	19.3 (10)	100	10/10	19.4 (10)	101	10/10
1-7	22.4 (10)	10/10		22.6 (10)	101	10/10	21.6 (10)	96	10/10	22.2 (10)	99	10/10	21.0 (10)	94	10/10	16.2 (10)	68	10/10
2-7	24.0 (10)	10/10		23.8 (10)	99	10/10	23.9 (10)	100	10/10	23.6 (10)	98	10/10	23.4 (10)	98	10/10	15.0 (9)	63	9/10
3-7	23.4 (10)	10/10		23.5 (10)	100	10/10	23.2 (10)	99	10/10	23.1 (10)	99	10/10	23.0 (10)	98	10/10	15.9 (8)	68	8/10
4-7	25.1 (10)	10/10		25.1 (10)	100	10/10	25.2 (10)	100	10/10	25.2 (10)	100	10/10	24.9 (10)	99	10/10	16.7 (8)	67	8/10
5-7	26.6 (10)	10/10		26.1 (10)	98	10/10	26.3 (10)	99	10/10	26.4 (10)	99	10/10	25.7 (10)	97	10/10	16.8 (8)	63	8/10
6-7	27.7 (10)	10/10		27.1 (10)	98	10/10	27.5 (10)	99	10/10	27.4 (10)	99	10/10	26.3 (10)	95	10/10	17.9 (7)	65	7/10
7-7	28.5 (10)	10/10		27.8 (10)	98	10/10	28.2 (10)	99	10/10	27.9 (10)	98	10/10	26.9 (10)	94	10/10	18.2 (7)	64	7/10
8-7	27.0 (10)	10/10		27.0 (10)	100	10/10	27.7 (10)	103	10/10	27.1 (10)	100	10/10	26.2 (10)	97	10/10	18.0 (7)	67	7/10
9-7	27.8 (10)	10/10		27.3 (10)	98	10/10	27.8 (10)	100	10/10	27.7 (10)	100	10/10	26.4 (10)	95	10/10	17.8 (7)	64	7/10
10-7	29.4 (10)	10/10		29.2 (10)	99	10/10	30.1 (10)	102	10/10	29.5 (10)	100	10/10	28.4 (10)	97	10/10	18.6 (7)	63	7/10
11-7	30.2 (10)	10/10		30.0 (10)	99	10/10	30.9 (10)	102	10/10	30.1 (10)	100	10/10	29.9 (10)	99	10/10	19.2 (7)	64	7/10
12-7	30.0 (10)	10/10		30.3 (10)	101	10/10	31.3 (10)	104	10/10	30.5 (10)	102	10/10	30.0 (10)	100	10/10	18.7 (7)	62	7/10
13-7	30.0 (10)	10/10		30.2 (10)	101	10/10	31.6 (10)	105	10/10	29.1 (10)	97	10/10	28.8 (10)	96	10/10	18.5 (7)	62	7/10

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

TABLE 24 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES IN FEMALE MOUSE (THIRTEEN-WEEK STUDIES)

Week-Day on Study	Control			100 ppm			250 ppm			640 ppm			1600 ppm			4000 ppm		
	Au.Wt.	No. of Surviv. <10>		Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.	Au.Wt.	% of cont. <10>	No. of Surviv.
0-0	17.0 (10)	10/10		17.4 (10)	102	10/10	17.4 (10)	102	10/10	17.4 (10)	102	10/10	17.4 (10)	102	10/10	17.4 (10)	102	10/10
1-7	17.5 (10)	10/10		17.6 (10)	101	10/10	17.7 (10)	101	10/10	17.8 (10)	102	10/10	17.6 (10)	101	10/10	13.2 (10)	75	9/10
2-7	18.7 (10)	10/10		19.0 (10)	102	10/10	19.4 (10)	104	10/10	19.1 (10)	102	10/10	18.3 (10)	98	10/10	13.2 (9)	71	9/10
3-7	18.8 (10)	10/10		19.5 (10)	104	10/10	20.1 (10)	107	10/10	19.2 (10)	102	10/10	18.8 (10)	100	10/10	15.4 (8)	82	8/10
4-7	19.9 (10)	10/10		20.7 (10)	104	10/10	20.3 (10)	102	10/10	20.1 (10)	101	10/10	19.8 (10)	99	10/10	16.7 (8)	84	8/10
5-7	20.2 (10)	10/10		20.7 (10)	102	10/10	20.8 (10)	103	10/10	20.4 (10)	101	10/10	20.1 (10)	100	10/10	16.9 (8)	84	8/10
6-7	19.1 (10)	10/10		20.1 (10)	105	10/10	20.5 (10)	107	10/10	19.1 (10)	100	10/10	19.2 (10)	101	10/10	16.9 (8)	88	8/10
7-7	21.1 (10)	10/10		21.5 (10)	102	10/10	22.2 (10)	105	10/10	21.4 (10)	101	10/10	20.7 (10)	98	10/10	17.3 (8)	82	8/10
8-7	21.4 (10)	10/10		22.0 (10)	103	10/10	21.7 (10)	101	10/10	21.2 (10)	99	10/10	20.9 (10)	98	10/10	17.8 (8)	83	8/10
9-7	21.6 (10)	10/10		21.9 (10)	101	10/10	22.4 (10)	104	10/10	21.8 (10)	101	10/10	20.1 (10)	93	10/10	17.6 (8)	81	8/10
10-7	22.0 (10)	10/10		23.7 (10)	108	10/10	22.9 (10)	104	10/10	22.9 (10)	104	10/10	22.8 (10)	104	10/10	18.1 (8)	82	8/10
11-7	22.0 (10)	10/10		22.9 (10)	104	10/10	23.4 (10)	106	10/10	22.1 (10)	100	10/10	21.6 (10)	98	10/10	18.1 (8)	82	8/10
12-7	21.8 (10)	10/10		23.5 (10)	108	10/10	23.2 (10)	106	10/10	22.3 (10)	102	10/10	22.2 (10)	102	10/10	17.8 (8)	82	8/10
13-7	21.4 (10)	10/10		23.4 (10)	109	10/10	22.9 (10)	107	10/10	21.5 (10)	100	10/10	20.4 (10)	95	10/10	17.9 (8)	84	8/10

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

TABLE 25 FOOD CONSUMPTION IN MALE MOUSE (THIRTEEN-WEEK STUDIES)

Week-Day on Study	Control		100 ppm			250 ppm			640 ppm			1600 ppm			4000 ppm		
	Au.FC.	No. of Surviv. <10>	Au.FC.	% of cont. <10>	No. of Surviv.	Au.FC.	% of cont. <10>	No. of Surviv.	Au.FC.	% of cont. <10>	No. of Surviv.	Au.FC.	% of cont. <10>	No. of Surviv.	Au.FC.	% of cont. <10>	No. of Surviv.
1-7	4.1 (10)	10/10	4.1 (10)	100	10/10	3.9 (10)	95	10/10	4.0 (10)	98	10/10	4.1 (10)	100	10/10	2.7 (10)	66	10/10
2-7	3.7 (10)	10/10	3.5 (10)	95	10/10	3.7 (10)	100	10/10	3.5 (10)	95	10/10	3.8 (10)	103	10/10	3.4 (9)	92	9/10
3-7	3.2 (10)	10/10	3.2 (10)	100	10/10	3.3 (10)	103	10/10	3.3 (10)	103	10/10	3.5 (10)	109	10/10	3.7 (8)	116	8/10
4-7	3.7 (10)	10/10	3.8 (10)	103	10/10	3.9 (10)	105	10/10	3.9 (10)	105	10/10	4.0 (10)	108	10/10	4.1 (8)	111	8/10
5-7	4.1 (10)	10/10	3.9 (10)	95	10/10	4.0 (10)	98	10/10	3.9 (10)	95	10/10	4.0 (10)	98	10/10	4.0 (8)	98	8/10
6-7	3.9 (10)	10/10	3.9 (10)	100	10/10	4.1 (10)	105	10/10	3.8 (10)	97	10/10	3.9 (10)	100	10/10	3.5 (7)	90	7/10
7-7	3.9 (10)	10/10	3.9 (10)	100	10/10	4.2 (10)	108	10/10	4.0 (10)	103	10/10	4.1 (10)	105	10/10	3.4 (7)	87	7/10
8-7	3.3 (10)	10/10	3.4 (10)	103	10/10	3.7 (10)	112	10/10	3.5 (10)	106	10/10	3.6 (10)	109	10/10	3.1 (7)	94	7/10
9-7	3.3 (10)	10/10	3.3 (10)	100	10/10	3.4 (10)	103	10/10	3.3 (10)	100	10/10	3.2 (10)	97	10/10	3.4 (7)	103	7/10
10-7	4.2 (10)	10/10	4.2 (10)	100	10/10	4.5 (10)	107	10/10	4.3 (10)	102	10/10	4.5 (10)	107	10/10	3.7 (7)	88	7/10
11-7	3.9 (10)	10/10	4.0 (10)	103	10/10	4.3 (10)	110	10/10	4.0 (10)	103	10/10	4.4 (10)	113	10/10	3.8 (7)	97	7/10
12-7	3.5 (10)	10/10	3.7 (10)	106	10/10	4.1 (10)	117	10/10	3.9 (10)	111	10/10	3.9 (10)	111	10/10	3.3 (7)	94	7/10
13-7	3.7 (10)	10/10	3.8 (10)	103	10/10	4.3 (10)	116	10/10	3.4 (10)	92	10/10	3.4 (10)	92	10/10	3.4 (7)	92	7/10

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

TABLE 26 FOOD CONSUMPTION IN FEMALE MOUSE (THIRTEEN-WEEK STUDIES)

Week-Day on Study	Control		100 ppm			250 ppm			640 ppm			1600 ppm			4000 ppm		
	Au.FC.	No. of Surviv. <10>	Au.FC.	% of cont. <10>	No. of Surviv.	Au.FC.	% of cont. <10>	No. of Surviv.	Au.FC.	% of cont. <10>	No. of Surviv.	Au.FC.	% of cont. <10>	No. of Surviv.	Au.FC.	% of cont. <10>	No. of Surviv.
1-7	3.2 (9)	10/10	3.3 (10)	103	10/10	3.2 (10)	100	10/10	3.2 (10)	100	10/10	3.5 (10)	109	10/10	3.1 (10)	97	9/10
2-7	3.3 (10)	10/10	3.4 (10)	103	10/10	3.6 (10)	109	10/10	3.3 (10)	100	10/10	3.3 (10)	100	10/10	4.3 (9)	130	9/10
3-7	3.3 (10)	10/10	3.5 (10)	106	10/10	3.6 (10)	109	10/10	3.4 (10)	103	10/10	3.4 (10)	103	10/10	4.9 (8)	148	8/10
4-7	3.6 (10)	10/10	3.7 (10)	103	10/10	3.6 (10)	100	10/10	3.6 (10)	100	10/10	3.7 (10)	103	10/10	4.8 (8)	133	8/10
5-7	3.8 (10)	10/10	4.0 (10)	105	10/10	3.9 (10)	103	10/10	3.9 (10)	103	10/10	3.8 (10)	100	10/10	5.0 (8)	132	8/10
6-7	3.2 (10)	10/10	3.4 (10)	106	10/10	3.5 (10)	109	10/10	3.1 (10)	97	10/10	3.2 (10)	100	10/10	4.1 (8)	128	8/10
7-7	4.0 (10)	10/10	4.1 (10)	103	10/10	4.6 (10)	115	10/10	4.1 (10)	103	10/10	3.8 (10)	95	10/10	4.3 (8)	108	8/10
8-7	3.6 (10)	10/10	3.9 (10)	108	10/10	3.6 (10)	100	10/10	3.6 (10)	100	10/10	3.4 (10)	94	10/10	4.0 (8)	111	8/10
9-7	3.4 (10)	10/10	3.4 (10)	100	10/10	3.7 (10)	109	10/10	3.5 (10)	103	10/10	3.0 (10)	88	10/10	3.6 (8)	106	8/10
10-7	3.8 (10)	10/10	4.3 (10)	113	10/10	4.3 (10)	113	10/10	4.4 (10)	116	10/10	4.3 (10)	113	10/10	4.2 (8)	111	8/10
11-7	3.8 (10)	10/10	3.9 (10)	103	10/10	4.2 (10)	111	10/10	3.7 (10)	97	10/10	3.6 (10)	95	10/10	4.6 (8)	121	8/10
12-7	3.5 (10)	10/10	3.9 (10)	111	10/10	4.0 (10)	114	10/10	4.0 (10)	114	10/10	3.8 (10)	109	10/10	3.9 (8)	111	8/10
13-7	3.4 (10)	10/10	4.0 (10)	118	10/10	3.8 (10)	112	10/10	3.9 (10)	115	10/10	3.5 (10)	103	10/10	4.1 (8)	121	8/10

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

TABLE 27 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES IN MALE MOUSE
(TWO-YEAR STUDIES)

Week-Day on Study	Control		320 ppm			800 ppm			2000 ppm		
	Au.Wt.	No. of Surviv. <50>	Au.Wt.	% of cont. <50>	No. of Surviv.	Au.Wt.	% of cont. <50>	No. of Surviv.	Au.Wt.	% of cont. <50>	No. of Surviv.
0-0	22.6 (50)	50/50	22.6 (50)	100	50/50	22.6 (50)	100	50/50	22.6 (50)	100	50/50
1-7	24.4 (50)	50/50	24.2 (50)	99	50/50	24.2 (50)	99	50/50	23.5 (50)	96	50/50
2-7	24.8 (50)	50/50	24.7 (50)	100	50/50	25.0 (50)	101	50/50	23.4 (50)	94	50/50
3-7	24.5 (50)	50/50	24.3 (50)	99	50/50	24.3 (50)	99	50/50	23.9 (50)	98	50/50
4-7	25.7 (50)	50/50	25.9 (50)	101	50/50	25.9 (50)	101	50/50	25.4 (50)	99	50/50
5-7	25.6 (50)	50/50	25.8 (50)	101	50/50	26.3 (50)	103	50/50	24.9 (50)	97	50/50
6-7	27.1 (50)	50/50	27.0 (50)	100	50/50	27.3 (50)	101	50/50	26.0 (50)	96	50/50
7-7	28.6 (50)	50/50	28.8 (50)	101	50/50	28.1 (50)	98	50/50	26.7 (50)	93	50/50
8-7	30.2 (50)	50/50	30.3 (50)	100	50/50	30.2 (50)	100	50/50	27.9 (50)	92	50/50
9-7	30.9 (50)	50/50	30.4 (50)	98	50/50	30.4 (50)	98	50/50	28.3 (50)	92	50/50
10-7	32.3 (50)	50/50	31.6 (50)	98	50/50	30.6 (50)	95	50/50	29.0 (50)	90	50/50
11-7	33.0 (50)	50/50	32.2 (50)	98	50/50	31.9 (50)	97	50/50	30.4 (50)	92	50/50
12-7	33.4 (50)	50/50	33.2 (50)	99	50/50	33.3 (50)	100	50/50	31.1 (50)	93	50/50
13-7	35.2 (50)	50/50	33.9 (50)	96	50/50	34.7 (50)	99	50/50	32.0 (50)	91	50/50
14-7	33.8 (50)	50/50	32.7 (50)	97	50/50	32.9 (50)	97	50/50	30.6 (50)	91	50/50
16-7	35.4 (50)	50/50	34.7 (50)	98	50/50	34.6 (49)	98	49/50	32.3 (50)	91	50/50
18-7	36.8 (50)	50/50	35.8 (50)	97	50/50	36.6 (49)	99	49/50	33.8 (50)	92	50/50
20-7	37.5 (50)	50/50	36.2 (50)	97	50/50	37.2 (49)	99	49/50	34.1 (50)	91	50/50
22-7	38.7 (50)	50/50	37.1 (50)	96	50/50	37.0 (49)	96	49/50	34.9 (50)	90	50/50
24-7	39.5 (50)	50/50	38.3 (50)	97	50/50	38.7 (49)	98	49/50	35.4 (50)	90	50/50
26-7	39.8 (50)	50/50	39.1 (49)	98	49/50	38.8 (49)	97	49/50	36.2 (50)	91	50/50
28-7	41.0 (50)	50/50	40.0 (49)	98	49/50	40.1 (49)	98	49/50	37.1 (50)	90	50/50
30-7	43.0 (50)	50/50	41.0 (49)	95	49/50	41.0 (49)	95	49/50	38.2 (50)	89	50/50
32-7	43.3 (50)	50/50	41.9 (49)	97	49/50	42.1 (49)	97	49/50	38.3 (50)	88	50/50
34-7	42.2 (50)	50/50	41.9 (49)	99	49/50	42.0 (49)	100	49/50	38.6 (50)	91	50/50
36-7	44.2 (50)	50/50	43.2 (49)	98	49/50	43.6 (49)	99	49/50	39.9 (50)	90	50/50
38-7	44.1 (50)	50/50	43.4 (49)	98	49/50	44.2 (49)	100	49/50	40.4 (50)	92	50/50
40-7	44.7 (50)	50/50	44.5 (49)	100	49/50	44.7 (49)	100	49/50	40.7 (50)	91	50/50
42-7	44.3 (50)	50/50	43.4 (49)	98	49/50	44.2 (49)	100	49/50	39.6 (50)	89	50/50
44-7	44.5 (50)	50/50	43.8 (49)	98	49/50	43.8 (49)	98	49/50	40.4 (50)	91	50/50
46-7	45.0 (50)	50/50	44.1 (49)	98	49/50	44.4 (49)	99	49/50	40.8 (50)	91	50/50
48-7	44.2 (50)	50/50	43.0 (49)	97	49/50	43.6 (49)	99	49/50	40.7 (50)	92	50/50
50-7	43.8 (50)	50/50	42.6 (48)	97	48/50	44.1 (49)	101	49/50	40.1 (50)	92	50/50
52-7	43.7 (50)	50/50	43.3 (48)	99	48/50	44.7 (49)	102	49/50	40.8 (50)	93	50/50
54-7	43.7 (50)	50/50	43.0 (48)	98	48/50	43.3 (49)	99	49/50	39.8 (50)	91	50/50
56-7	44.1 (50)	50/50	44.5 (48)	101	48/50	44.6 (49)	101	49/50	40.7 (50)	92	50/50
58-7	43.8 (50)	50/50	44.6 (48)	102	48/50	44.3 (49)	101	48/50	40.9 (50)	93	50/50
60-7	44.5 (50)	50/50	44.9 (48)	101	48/50	45.6 (48)	102	48/50	42.1 (50)	95	50/50
62-7	45.1 (50)	50/50	45.2 (48)	100	48/50	46.0 (48)	102	48/50	42.9 (50)	95	50/50
64-7	45.2 (50)	50/50	44.7 (47)	99	47/50	45.4 (48)	100	48/50	42.9 (50)	95	50/50
66-7	44.2 (50)	50/50	43.4 (47)	98	47/50	44.2 (48)	100	48/50	42.6 (48)	96	48/50
68-7	44.2 (50)	50/50	44.5 (47)	101	47/50	44.9 (48)	102	48/50	41.7 (47)	94	47/50
70-7	44.3 (50)	50/50	44.9 (47)	101	47/50	45.5 (47)	103	48/50	42.1 (47)	95	47/50
72-7	43.7 (49)	49/50	43.6 (47)	100	47/50	45.6 (48)	104	48/50	42.1 (47)	96	47/50
74-7	43.7 (48)	48/50	43.8 (47)	100	47/50	45.4 (48)	104	48/50	41.8 (47)	96	47/50
76-7	42.4 (48)	48/50	43.0 (46)	101	46/50	44.0 (48)	104	48/50	39.9 (46)	94	46/50
78-7	43.1 (48)	48/50	42.8 (46)	99	46/50	43.8 (48)	102	48/50	40.9 (46)	95	45/50
80-7	41.7 (48)	47/50	42.3 (46)	101	46/50	44.4 (48)	106	48/50	40.8 (45)	98	45/50
82-7	42.9 (46)	46/50	42.2 (46)	98	46/50	43.6 (48)	102	48/50	41.2 (44)	96	44/50
84-7	42.7 (45)	45/50	42.0 (46)	98	46/50	43.8 (47)	103	47/50	40.3 (44)	94	44/50
86-7	42.9 (44)	44/50	42.4 (46)	99	46/50	43.4 (47)	101	47/50	40.4 (44)	94	44/50
88-7	42.4 (43)	43/50	42.2 (46)	100	46/50	43.5 (47)	103	47/50	40.5 (43)	96	43/50
90-7	42.1 (43)	43/50	42.8 (45)	102	45/50	44.2 (46)	105	46/50	41.4 (43)	98	43/50
92-7	42.5 (42)	42/50	43.1 (45)	101	45/50	43.8 (46)	103	46/50	40.8 (42)	96	42/50
94-7	42.3 (41)	41/50	43.0 (45)	102	45/50	42.4 (45)	100	46/50	40.6 (41)	96	41/50
96-7	41.9 (40)	40/50	42.5 (45)	101	45/50	42.7 (43)	102	43/50	40.2 (41)	96	41/50
98-7	42.4 (40)	40/50	43.2 (45)	102	45/50	42.6 (42)	100	42/50	41.0 (41)	97	41/50
100-7	41.0 (40)	40/50	41.9 (44)	102	44/50	41.0 (42)	100	42/50	39.5 (41)	96	41/50
102-7	40.6 (39)	39/50	40.3 (44)	99	44/50	41.5 (41)	102	41/50	40.2 (40)	99	40/50
104-7	41.8 (36)	36/50	42.3 (43)	101	43/50	41.1 (40)	98	40/50	40.6 (40)	97	40/50

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

Au. Wt.: g

TABLE 28 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES IN FEMALE MOUSE
(TWO-YEAR STUDIES)

Week-Day on Study	Control		320 ppm			800 ppm			2000 ppm		
	Au.Wt.	No. of Surviv. (50)	Au.Wt.	% of cont. (50)	No. of Surviv.	Au.Wt.	% of cont. (50)	No. of Surviv.	Au.Wt.	% of cont. (50)	No. of Surviv.
0-0	18.3 (50)	50/50	18.3 (50)	100	50/50	18.3 (50)	100	50/50	18.3 (50)	100	50/50
1-7	18.7 (50)	50/50	18.7 (50)	100	50/50	18.3 (50)	98	50/50	18.1 (50)	97	50/50
2-7	19.2 (50)	50/50	19.2 (50)	100	50/50	19.3 (50)	101	50/50	18.9 (50)	98	50/50
3-7	19.1 (50)	50/50	19.6 (50)	103	50/50	19.5 (50)	102	50/50	19.2 (50)	101	50/50
4-7	20.0 (50)	50/50	20.5 (50)	103	50/50	20.2 (50)	101	50/50	19.6 (50)	98	50/50
5-7	20.9 (50)	50/50	21.1 (50)	101	50/50	20.5 (50)	98	50/50	19.6 (50)	94	50/50
6-7	21.7 (50)	50/50	21.7 (50)	100	50/50	21.3 (50)	98	50/50	20.4 (49)	94	50/50
7-7	21.8 (50)	50/50	22.0 (50)	101	50/50	21.3 (50)	98	50/50	20.4 (50)	94	50/50
8-7	22.5 (50)	50/50	22.8 (50)	101	50/50	21.9 (50)	97	50/50	20.8 (50)	92	50/50
9-7	23.1 (50)	50/50	23.5 (50)	102	50/50	22.8 (50)	99	50/50	21.8 (50)	94	50/50
10-7	23.4 (50)	50/50	24.1 (50)	103	50/50	22.9 (50)	98	50/50	22.2 (50)	95	50/50
11-7	23.8 (50)	50/50	24.4 (50)	103	50/50	23.4 (50)	98	50/50	22.0 (50)	92	50/50
12-7	23.4 (50)	50/50	24.2 (50)	103	50/50	23.4 (50)	100	50/50	22.2 (50)	95	50/50
13-7	24.4 (50)	50/50	25.1 (50)	103	50/50	24.2 (50)	99	50/50	22.8 (50)	93	50/50
14-7	24.5 (50)	50/50	25.3 (50)	103	50/50	23.8 (50)	97	50/50	22.2 (50)	91	50/50
16-7	25.1 (50)	50/50	25.3 (50)	101	50/50	24.3 (50)	97	50/50	22.5 (50)	90	50/50
18-7	26.0 (50)	50/50	26.6 (50)	102	50/50	25.4 (50)	98	50/50	23.7 (50)	91	50/50
20-7	26.2 (50)	50/50	26.8 (50)	102	50/50	26.2 (50)	100	50/50	23.8 (50)	91	50/50
22-7	26.7 (50)	50/50	27.2 (50)	102	50/50	26.0 (50)	97	50/50	24.4 (50)	91	50/50
24-7	27.6 (50)	50/50	28.0 (50)	101	50/50	27.5 (50)	100	50/50	24.7 (50)	89	50/50
26-7	27.9 (50)	50/50	28.6 (49)	103	49/50	27.4 (50)	98	50/50	25.1 (50)	90	50/50
28-7	28.4 (50)	50/50	28.8 (49)	101	49/50	27.8 (50)	98	50/50	25.2 (50)	89	50/50
30-7	29.1 (49)	49/50	29.6 (49)	102	49/50	27.7 (49)	95	49/50	25.6 (49)	88	49/50
32-7	29.3 (49)	49/50	30.1 (49)	103	49/50	29.2 (49)	100	49/50	26.3 (49)	90	49/50
34-7	29.3 (49)	49/50	30.4 (49)	104	49/50	29.5 (49)	101	49/50	26.1 (49)	89	49/50
36-7	30.3 (49)	49/50	31.5 (49)	104	49/50	30.6 (49)	101	49/50	26.8 (49)	88	49/50
38-7	30.7 (49)	49/50	31.7 (49)	103	49/50	31.1 (49)	101	49/50	26.8 (49)	87	49/50
40-7	30.5 (49)	49/50	31.8 (49)	104	49/50	30.8 (49)	101	49/50	27.2 (49)	89	49/50
42-7	30.8 (49)	49/50	31.5 (49)	102	49/50	29.7 (49)	96	49/50	27.2 (49)	88	49/50
44-7	30.9 (49)	49/50	32.2 (49)	104	49/50	31.0 (49)	100	49/50	27.5 (49)	89	49/50
46-7	31.5 (49)	49/50	32.6 (49)	103	49/50	31.6 (49)	100	49/50	28.3 (49)	90	49/50
48-7	30.8 (49)	49/50	31.9 (49)	104	49/50	30.6 (49)	99	49/50	27.8 (49)	90	49/50
50-7	30.5 (49)	49/50	32.0 (49)	105	49/50	30.8 (49)	101	49/50	27.9 (49)	91	49/50
52-7	31.2 (49)	49/50	32.6 (49)	104	49/50	31.3 (49)	100	49/50	28.6 (49)	92	49/50
54-7	31.3 (49)	49/50	32.6 (49)	104	49/50	31.2 (49)	100	49/50	28.3 (49)	90	49/50
56-7	31.1 (49)	49/50	33.1 (49)	106	49/50	31.7 (49)	102	49/50	28.2 (49)	91	49/50
58-7	30.9 (49)	49/50	32.5 (49)	105	49/50	31.3 (49)	101	49/50	28.7 (49)	93	49/50
60-7	31.7 (49)	49/50	33.2 (49)	105	49/50	33.0 (49)	104	49/50	29.9 (49)	94	49/50
62-7	32.9 (49)	49/50	34.3 (49)	104	49/50	33.1 (49)	101	49/50	29.9 (49)	91	49/50
64-7	32.5 (48)	48/50	33.7 (49)	104	49/50	32.8 (49)	101	49/50	29.2 (49)	90	49/50
66-7	32.0 (48)	47/50	33.4 (49)	104	49/50	32.0 (49)	100	49/50	29.7 (49)	93	49/50
68-7	32.1 (47)	47/50	33.7 (49)	105	49/50	32.2 (49)	100	49/50	29.5 (49)	92	49/50
70-7	32.5 (47)	47/50	34.3 (49)	106	49/50	33.4 (49)	103	49/50	29.2 (49)	90	49/50
72-7	33.1 (47)	46/50	34.8 (47)	105	47/50	33.6 (49)	102	49/50	30.7 (49)	93	49/50
74-7	33.1 (46)	46/50	34.6 (46)	105	46/50	33.4 (49)	101	49/50	30.5 (49)	92	49/50
76-7	31.8 (46)	46/50	33.3 (46)	105	46/50	32.5 (49)	102	49/50	29.2 (49)	92	49/50
78-7	32.8 (46)	46/50	33.1 (46)	101	46/50	32.0 (48)	98	48/50	30.2 (49)	92	49/50
80-7	32.5 (44)	44/50	33.3 (46)	102	46/50	33.0 (48)	102	48/50	30.5 (49)	94	49/50
82-7	33.1 (44)	44/50	34.0 (46)	103	46/50	32.8 (47)	99	47/50	30.3 (49)	92	49/50
84-7	33.1 (44)	44/50	34.2 (46)	103	46/50	32.9 (47)	99	47/50	29.9 (49)	90	49/50
86-7	32.5 (43)	42/50	33.9 (46)	104	46/50	32.5 (46)	100	46/50	29.4 (49)	90	49/50
88-7	32.9 (38)	38/50	34.1 (45)	104	45/50	31.7 (46)	96	46/50	29.2 (49)	89	49/50
90-7	33.8 (36)	36/50	33.8 (43)	100	43/50	32.9 (44)	97	44/50	29.8 (47)	88	47/50
92-7	32.9 (35)	35/50	32.7 (43)	99	43/50	32.6 (44)	99	43/50	29.6 (46)	90	46/50
94-7	32.7 (35)	35/50	32.9 (43)	101	43/50	32.2 (42)	98	42/50	29.9 (46)	91	45/50
96-7	32.1 (33)	33/50	32.2 (41)	100	41/50	32.0 (42)	100	42/50	29.9 (43)	93	43/50
98-7	32.3 (33)	33/50	32.9 (40)	102	40/50	31.9 (41)	99	41/50	29.9 (42)	93	42/50
100-7	32.2 (32)	32/50	32.7 (35)	102	35/50	31.2 (40)	97	40/50	29.8 (38)	93	38/50
102-7	31.5 (32)	32/50	32.2 (33)	102	33/50	31.2 (37)	99	37/50	30.4 (37)	97	37/50
104-7	32.9 (31)	31/50	33.1 (30)	101	30/50	32.5 (35)	99	35/50	29.8 (36)	91	35/50

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

Au.Wt.: g

TABLE 29 FOOD CONSUMPTION IN MALE MOUSE
(TWO-YEAR STUDIES)

Week-Day on Study	Control		320 ppm			800 ppm			2000 ppm		
	Au.FC.	No. of Surviv. (50)	Au.FC.	% of cont. (50)	No. of Surviv.	Au.FC.	% of cont. (50)	No. of Surviv.	Au.FC.	% of cont. (50)	No. of Surviv.
1-7	4.2 (50)	50/50	4.2 (50)	100	50/50	4.1 (50)	98	50/50	4.2 (50)	100	50/50
2-7	3.8 (50)	50/50	3.8 (50)	100	50/50	3.9 (50)	103	50/50	3.7 (50)	97	50/50
3-7	3.4 (50)	50/50	3.4 (50)	100	50/50	3.4 (50)	100	50/50	3.6 (50)	106	50/50
4-7	3.7 (50)	50/50	3.9 (50)	105	50/50	3.7 (50)	100	50/50	4.0 (50)	108	50/50
5-7	3.5 (50)	50/50	3.4 (50)	97	50/50	3.6 (50)	103	50/50	3.4 (50)	97	50/50
6-7	4.0 (50)	50/50	3.8 (50)	95	50/50	3.9 (50)	98	50/50	3.7 (50)	93	50/50
7-7	4.2 (50)	50/50	4.3 (50)	102	50/50	4.0 (50)	95	50/50	3.7 (50)	88	50/50
8-7	4.5 (50)	50/50	4.3 (48)	96	50/50	4.4 (50)	98	50/50	4.1 (50)	91	50/50
9-7	4.2 (50)	50/50	4.0 (50)	95	50/50	4.0 (50)	95	50/50	4.0 (50)	95	50/50
10-7	4.4 (50)	50/50	4.3 (50)	98	50/50	4.0 (50)	91	50/50	4.0 (50)	91	50/50
11-7	4.2 (50)	50/50	4.2 (50)	100	50/50	4.4 (50)	105	50/50	4.4 (50)	105	50/50
12-7	4.2 (50)	50/50	4.3 (50)	102	50/50	4.6 (50)	110	50/50	4.2 (49)	100	50/50
13-7	4.6 (50)	50/50	4.5 (50)	98	50/50	4.7 (50)	102	50/50	4.5 (50)	98	50/50
14-7	3.7 (50)	50/50	3.8 (50)	103	50/50	3.7 (50)	100	50/50	3.6 (50)	97	50/50
16-7	4.3 (50)	50/50	4.3 (50)	100	50/50	4.1 (49)	95	49/50	4.1 (50)	95	50/50
18-7	4.6 (50)	50/50	4.4 (50)	96	50/50	4.6 (49)	100	49/50	4.4 (50)	96	50/50
20-7	4.4 (50)	50/50	4.3 (50)	98	50/50	4.2 (49)	95	49/50	4.2 (50)	95	50/50
22-7	4.6 (50)	50/50	4.5 (50)	98	50/50	4.3 (49)	93	49/50	4.5 (50)	98	50/50
24-7	4.8 (50)	50/50	4.9 (50)	102	50/50	5.0 (49)	104	49/50	4.7 (50)	98	50/50
26-7	5.1 (50)	50/50	5.2 (49)	102	49/50	4.9 (49)	96	49/50	4.9 (50)	96	50/50
28-7	4.9 (50)	50/50	4.7 (49)	96	49/50	4.6 (49)	94	49/50	4.4 (50)	90	50/50
30-7	5.2 (50)	50/50	4.7 (49)	90	49/50	4.7 (49)	90	49/50	4.8 (50)	92	50/50
32-7	4.7 (50)	50/50	4.5 (49)	96	49/50	4.5 (49)	96	49/50	4.4 (50)	94	50/50
34-7	5.1 (50)	50/50	5.0 (49)	98	49/50	4.7 (49)	92	49/50	4.7 (50)	92	50/50
36-7	4.7 (50)	50/50	4.6 (49)	98	49/50	4.5 (49)	96	49/50	4.4 (50)	94	50/50
38-7	4.7 (50)	50/50	4.7 (49)	100	49/50	4.8 (49)	102	49/50	4.8 (50)	102	50/50
40-7	5.1 (50)	50/50	5.1 (49)	100	49/50	4.9 (49)	96	49/50	4.7 (50)	92	50/50
42-7	4.9 (50)	50/50	4.7 (49)	96	49/50	4.9 (49)	100	49/50	4.3 (50)	88	50/50
44-7	5.0 (50)	50/50	5.1 (49)	102	49/50	5.1 (49)	102	49/50	5.0 (50)	100	50/50
46-7	5.0 (50)	50/50	5.0 (49)	100	49/50	5.0 (49)	100	49/50	4.7 (50)	94	50/50
48-7	4.7 (50)	50/50	4.7 (49)	100	49/50	4.5 (49)	96	49/50	4.5 (50)	96	50/50
50-7	4.2 (50)	50/50	4.2 (48)	100	48/50	4.4 (49)	105	49/50	3.9 (50)	93	50/50
52-7	5.2 (50)	50/50	5.0 (48)	96	48/50	5.3 (49)	102	49/50	4.8 (50)	92	50/50
54-7	4.7 (50)	50/50	4.8 (48)	102	48/50	4.4 (49)	94	49/50	4.2 (50)	89	50/50
56-7	4.3 (50)	50/50	4.7 (48)	109	48/50	4.6 (49)	107	49/50	4.6 (50)	107	50/50
58-7	4.8 (50)	50/50	4.8 (48)	100	48/50	4.6 (49)	96	48/50	4.5 (50)	94	50/50
60-7	5.0 (50)	50/50	4.8 (48)	96	48/50	5.1 (48)	102	48/50	4.9 (50)	98	50/50
62-7	4.9 (50)	50/50	4.9 (48)	100	48/50	5.0 (48)	102	48/50	4.6 (50)	94	50/50
64-7	4.8 (50)	50/50	4.5 (48)	94	47/50	4.4 (48)	92	48/50	4.3 (50)	90	50/50
66-7	4.2 (50)	50/50	4.2 (47)	100	47/50	4.1 (48)	98	48/50	4.5 (48)	107	48/50
68-7	4.5 (50)	50/50	4.5 (47)	100	47/50	4.6 (48)	102	48/50	4.4 (47)	98	47/50
70-7	4.9 (50)	50/50	4.9 (47)	100	47/50	5.1 (48)	104	48/50	4.6 (47)	94	47/50
72-7	4.4 (49)	49/50	4.9 (47)	111	47/50	5.0 (48)	114	48/50	4.8 (47)	109	47/50
74-7	4.7 (48)	48/50	4.6 (47)	98	47/50	4.7 (48)	100	48/50	4.7 (46)	100	47/50
76-7	4.7 (48)	48/50	4.7 (46)	100	46/50	4.6 (48)	98	48/50	4.5 (46)	96	46/50
78-7	5.0 (48)	48/50	4.8 (46)	96	46/50	4.8 (48)	96	48/50	5.0 (46)	100	45/50
80-7	4.5 (48)	47/50	4.9 (46)	109	46/50	5.3 (48)	118	48/50	5.1 (45)	113	45/50
82-7	5.3 (47)	46/50	4.8 (46)	91	46/50	5.2 (48)	98	48/50	5.1 (44)	96	44/50
84-7	4.8 (45)	45/50	4.8 (46)	100	46/50	4.7 (47)	98	47/50	4.6 (44)	96	44/50
86-7	4.7 (45)	44/50	4.7 (46)	100	46/50	4.6 (47)	98	47/50	4.7 (44)	100	44/50
88-7	4.9 (44)	43/50	4.8 (46)	98	46/50	5.0 (47)	102	47/50	4.8 (43)	98	43/50
90-7	4.9 (43)	43/50	4.9 (45)	100	45/50	4.7 (47)	96	46/50	4.8 (43)	98	43/50
92-7	4.9 (43)	42/50	4.8 (45)	98	45/50	4.5 (46)	92	46/50	4.5 (42)	92	42/50
94-7	4.9 (42)	41/50	4.6 (45)	94	45/50	4.6 (46)	94	46/50	4.9 (41)	100	41/50
96-7	5.0 (40)	40/50	5.0 (45)	100	45/50	4.8 (43)	96	43/50	4.7 (41)	94	41/50
98-7	4.9 (40)	40/50	5.0 (45)	102	45/50	4.3 (43)	88	42/50	4.7 (41)	96	41/50
100-7	5.2 (40)	40/50	4.9 (45)	94	44/50	4.5 (42)	87	42/50	5.0 (41)	96	41/50
102-7	5.0 (40)	39/50	4.2 (44)	84	44/50	5.3 (42)	106	41/50	5.2 (41)	104	40/50
104-7	5.5 (36)	36/50	5.7 (43)	104	43/50	5.2 (40)	95	40/50	5.2 (40)	95	40/50

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

Au.FC.: g

TABLE 30 FOOD CONSUMPTION IN FEMALE MOUSE
(TWO-YEAR STUDIES)

Week-Day on Study	Control		320 ppm			800 ppm			2000 ppm		
	Au.F.C.	No. of Surviv. <50>	Au.F.C.	% of cont. <50>	No. of Surviv.	Au.F.C.	% of cont. <50>	No. of Surviv.	Au.F.C.	% of cont. <50>	No. of Surviv.
1-7	3.5 (50)	50/50	3.3 (50)	94	50/50	3.2 (50)	91	50/50	3.6 (50)	103	50/50
2-7	3.3 (50)	50/50	3.2 (50)	97	50/50	3.2 (50)	97	50/50	3.5 (50)	106	50/50
3-7	3.3 (50)	50/50	3.2 (50)	97	50/50	3.1 (50)	94	50/50	3.2 (50)	97	50/50
4-7	3.6 (50)	50/50	3.5 (50)	97	50/50	3.4 (50)	94	50/50	3.3 (50)	92	50/50
5-7	3.7 (50)	50/50	3.7 (50)	100	50/50	3.7 (50)	100	50/50	3.5 (50)	95	50/50
6-7	3.9 (50)	50/50	3.8 (50)	97	50/50	3.8 (50)	97	50/50	3.7 (50)	95	50/50
7-7	4.0 (50)	50/50	3.8 (50)	95	50/50	3.8 (50)	95	50/50	3.6 (50)	90	50/50
8-7	4.3 (50)	50/50	4.0 (50)	93	50/50	4.0 (50)	93	50/50	3.9 (50)	91	50/50
9-7	4.4 (50)	50/50	4.1 (50)	93	50/50	4.3 (50)	98	50/50	4.0 (50)	91	50/50
10-7	4.2 (50)	50/50	4.1 (50)	98	50/50	4.1 (50)	98	50/50	3.9 (50)	93	50/50
11-7	4.4 (50)	50/50	4.3 (50)	98	50/50	4.1 (50)	93	50/50	3.8 (50)	86	50/50
12-7	4.3 (50)	50/50	4.2 (50)	98	50/50	4.1 (50)	95	50/50	4.1 (50)	95	50/50
13-7	4.8 (50)	50/50	4.5 (50)	94	50/50	4.5 (50)	94	50/50	4.4 (50)	92	50/50
14-7	4.5 (50)	50/50	4.2 (50)	93	50/50	4.1 (50)	91	50/50	4.0 (50)	89	50/50
16-7	4.4 (50)	50/50	4.1 (50)	93	50/50	3.9 (50)	89	50/50	3.8 (50)	86	50/50
18-7	4.6 (50)	50/50	4.7 (50)	102	50/50	4.5 (50)	98	50/50	4.3 (50)	93	50/50
20-7	4.3 (50)	50/50	4.1 (50)	95	50/50	4.2 (50)	98	50/50	4.0 (50)	93	50/50
22-7	4.7 (50)	50/50	4.5 (50)	96	50/50	4.4 (50)	94	50/50	4.4 (50)	94	50/50
24-7	5.0 (50)	50/50	4.7 (50)	94	50/50	5.0 (50)	100	50/50	4.5 (50)	90	50/50
26-7	4.7 (50)	50/50	4.7 (49)	100	49/50	4.5 (50)	96	50/50	4.4 (50)	94	50/50
28-7	4.7 (50)	50/50	4.3 (49)	91	49/50	4.3 (50)	91	50/50	4.1 (50)	87	50/50
30-7	4.9 (49)	49/50	4.5 (49)	92	49/50	4.3 (49)	88	49/50	4.1 (49)	84	49/50
32-7	4.8 (49)	49/50	4.3 (49)	90	49/50	4.4 (49)	92	49/50	4.2 (49)	88	49/50
34-7	5.1 (49)	49/50	4.8 (49)	94	49/50	4.8 (49)	94	49/50	4.3 (49)	84	49/50
36-7	4.9 (49)	49/50	5.0 (49)	102	49/50	4.8 (49)	98	49/50	4.5 (49)	92	49/50
38-7	5.1 (49)	49/50	4.9 (49)	96	49/50	5.1 (49)	100	49/50	4.7 (49)	92	49/50
40-7	4.6 (49)	49/50	4.4 (49)	96	49/50	4.3 (49)	93	49/50	4.3 (49)	93	49/50
42-7	4.6 (49)	49/50	4.9 (49)	94	49/50	4.4 (49)	85	49/50	4.7 (49)	90	49/50
44-7	5.2 (49)	49/50	4.9 (49)	94	49/50	5.3 (49)	95	49/50	5.0 (49)	89	49/50
46-7	5.1 (49)	49/50	4.8 (49)	94	49/50	4.8 (49)	94	49/50	4.8 (49)	94	49/50
48-7	5.0 (49)	49/50	4.8 (49)	96	49/50	4.6 (49)	92	49/50	4.7 (49)	94	49/50
50-7	4.7 (49)	49/50	4.5 (49)	96	49/50	4.2 (49)	89	49/50	3.8 (49)	81	49/50
52-7	5.1 (49)	49/50	4.9 (49)	96	49/50	5.0 (49)	98	49/50	4.9 (49)	96	49/50
54-7	4.7 (49)	49/50	4.6 (49)	98	49/50	4.7 (49)	100	49/50	4.4 (49)	94	49/50
56-7	4.2 (49)	49/50	4.6 (49)	110	49/50	4.7 (49)	112	49/50	4.0 (49)	95	49/50
58-7	5.0 (49)	49/50	5.0 (49)	100	49/50	4.6 (49)	92	49/50	4.5 (49)	90	49/50
60-7	4.8 (48)	49/50	4.8 (49)	100	49/50	5.2 (49)	108	49/50	4.7 (49)	98	49/50
62-7	5.7 (47)	49/50	5.3 (49)	93	49/50	5.0 (49)	88	49/50	4.8 (49)	84	49/50
64-7	4.7 (49)	48/50	4.4 (49)	94	49/50	4.3 (49)	91	49/50	4.1 (49)	87	49/50
66-7	4.5 (48)	47/50	4.4 (49)	98	49/50	4.1 (49)	91	49/50	4.4 (49)	98	49/50
68-7	4.8 (23)	47/50	5.0 (49)	104	49/50	4.8 (49)	100	49/50	4.4 (49)	92	49/50
70-7	5.1 (47)	47/50	5.0 (49)	98	49/50	5.0 (49)	98	49/50	4.5 (49)	88	49/50
72-7	5.0 (47)	46/50	4.8 (48)	96	47/50	4.7 (49)	94	49/50	4.7 (49)	94	49/50
74-7	4.8 (45)	46/50	4.5 (46)	94	46/50	4.7 (49)	98	49/50	4.4 (49)	92	49/50
76-7	4.8 (46)	46/50	4.8 (46)	100	46/50	4.6 (49)	96	49/50	4.5 (49)	94	49/50
78-7	5.4 (46)	46/50	4.9 (46)	91	46/50	4.7 (48)	87	48/50	5.0 (49)	93	49/50
80-7	5.0 (46)	44/50	4.7 (46)	94	46/50	5.1 (48)	102	48/50	5.0 (49)	100	49/50
82-7	5.5 (44)	44/50	5.3 (46)	96	46/50	4.9 (47)	89	47/50	4.9 (49)	89	49/50
84-7	5.0 (44)	44/50	5.0 (46)	100	46/50	4.7 (47)	94	47/50	4.7 (49)	94	49/50
86-7	4.8 (43)	42/50	4.9 (46)	102	46/50	4.8 (46)	100	46/50	4.6 (49)	96	49/50
88-7	4.5 (39)	38/50	4.8 (45)	107	45/50	4.9 (46)	109	46/50	4.7 (49)	104	49/50
90-7	5.1 (36)	36/50	4.7 (44)	92	43/50	4.9 (44)	96	44/50	4.8 (47)	94	47/50
92-7	4.7 (36)	35/50	4.5 (43)	96	43/50	4.6 (44)	98	43/50	4.4 (46)	94	46/50
94-7	5.1 (35)	35/50	4.7 (43)	92	43/50	4.8 (42)	94	42/50	4.8 (46)	94	45/50
96-7	4.9 (34)	33/50	4.7 (41)	96	41/50	5.1 (42)	104	42/50	5.0 (43)	102	43/50
98-7	5.0 (33)	33/50	5.0 (40)	100	40/50	4.6 (42)	92	41/50	4.5 (43)	90	42/50
100-7	4.7 (33)	32/50	4.8 (36)	102	35/50	4.5 (40)	96	40/50	4.5 (41)	96	38/50
102-7	4.8 (32)	32/50	4.5 (35)	94	33/50	4.4 (39)	92	37/50	4.7 (37)	98	37/50
104-7	5.5 (31)	31/50	5.5 (32)	100	30/50	5.0 (35)	91	35/50	5.0 (36)	91	35/50

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

Au.F.C.: g

Table 31 CLINICAL OBSERVATION (104W-SUMMARY) -MICE-

Findings	Male				Female			
	2000ppm	800ppm	320ppm	0ppm	2000ppm	800ppm	320ppm	0ppm
	S (DM)*	S (DM)	S (DM)	S (DM)	S (DM)	S (DM)	S (DM)	S (DM)
COLORED (着色)	40 (6)	40 (8)	39 (3)	21 (3)	35 (14)	35 (7)	15 (5)	7 (3)
YELLOW URINE (黄色尿)	40 (6)	40 (8)	43 (4)	0 (0)	35 (14)	35 (13)	30 (16)	0 (0)
INTERNAL MASS (内部腫瘍)	3 (1)	2 (5)	1 (1)	5 (5)	6 (7)	5 (5)	5 (10)	5 (5)
EXTERNAL MASS (外部腫瘍)	-----							
M. EYE (眼腫瘍)	1 (1)	0 (0)	0 (0)	0 (1)	0 (0)	0 (0)	0 (1)	0 (0)
M. NOSE (鼻腫瘍)	0 (1)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
M. PERI MOUTH (口周囲腫瘍)	0 (0)	0 (0)	0 (0)	0 (1)	0 (0)	0 (0)	0 (0)	0 (0)
M. MANDIBULAR (下顎部腫瘍)	0 (0)	0 (0)	0 (1)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
M. EAR (耳介部腫瘍)	0 (0)	0 (0)	1 (0)	0 (0)	1 (0)	0 (0)	0 (0)	0 (0)
M. NECK (頸部腫瘍)	0 (1)	0 (0)	0 (0)	0 (1)	1 (0)	0 (1)	0 (1)	0 (1)
M. BREAST (胸部腫瘍)	0 (0)	0 (0)	1 (0)	1 (0)	0 (0)	0 (1)	0 (0)	1 (1)
M. ABDOMEN (腹部腫瘍)	1 (1)	4 (0)	5 (0)	3 (3)	0 (0)	0 (1)	0 (0)	0 (0)
M. ANTERIOR. DORSUM (背側前部腫瘍)	0 (0)	0 (0)	0 (0)	0 (0)	1 (0)	0 (1)	0 (0)	0 (0)
M. INTERSCAPULUM (肩甲間部腫瘍)	0 (0)	2 (0)	1 (0)	0 (0)	1 (0)	0 (0)	0 (0)	0 (0)
M. POSTERIOR DORSUM (背側後部腫瘍)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (1)	0 (0)	0 (0)
M. HINDLIMB (後肢腫瘍)	0 (0)	1 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (1)
M. GENITALIA (外陰部腫瘍)	2 (0)	2 (1)	0 (0)	1 (0)	0 (1)	0 (1)	0 (1)	0 (1)
M. ANUS (肛門腫瘍)	0 (1)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
M. TAIL (尾腫瘍)	0 (0)	1 (0)	0 (0)	1 (0)	0 (0)	0 (0)	0 (0)	0 (0)
NO. of Animals with EXTERNAL MASS	4 (3)	9 (1)	5 (1)	6 (3)	3 (1)	0 (4)	0 (3)	1 (1)
NO. of Survival Animals (Dead & Moribund Animals)	40 (10)	40 (10)	43 (7)	36 (14)	35 (15)	35 (15)	30 (20)	31 (19)
NO. of Observed Animals	50	50	50	50	50	50	50	50

* : S=Survival Animals (DM=Dead & Moribund Animals)

TABLE 32 CAUSE OF DEATH : MOUSE

Sex	Male				Female			
	Control	320ppm	800ppm	2000ppm	Control	320ppm	800ppm	2000ppm
Group Name								
Number of Dead/Moribund Animal	14	7	10	10	19	20	15	15
no microscopic confirmation		1	1		2	2		2
urinary system lesion							1	
renal lesion	1		1			1		
endocrine system lesion		1						
urinary retention				1	1			
amyloidosis				1				
tooth lesion						1		1
Tumor death : leukemia	5	2	4	3	5	6	8	7
: subcutis						1	1	1
: skin/apendage		1						
: lung	1	1	1		2	1	1	
: liver	7		3	3	1		1	
: urin bladd		1		1				
: peripheral nerves				1				
: ovary						1		
: uterus					8	7	3	4