

ヒドラジーン-水加物のラット及びマウスを用いた
経口投与によるがん原性予備試験(混水試験)報告書

試験番号

2 週 間 : ラット/0261 ; マウス/0262

1 3 週 間 : ラット/0265 ; マウス/0266

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TABLE 1 EXPERIMENTAL DESIGN AND MATERIALS AND METHODS
IN THE DRINKING WATER STUDIES OF HYDRAZINE MONOHYDRATE

(Continued)

Two-week Studies	Thirteen-week Studies
<p><Hematology> Hematological examination performed on at least five animals per sex per groups.</p> <p>Red blood cell (RBC), Hemoglobin, Hematocrit, Mean corpuscular volume (MCV), Mean corpuscular hemoglobin (MCH), Mean corpuscular hemoglobin concentration(MCHC), Platelet, Reticulocyte <rat only>, Prothrombin time (PT) <rat only>, Activated partial thromboplastin time (APTT) <rat only>, White blood cell (WBC), Differential WBC.</p>	<p>Hematological examination performed on scheduled sacrificed animals.</p> <p>Same as two-week studies</p>
<p><Biochemistry> Biochemical examination performed on at least five animals per sex per groups.</p> <p>Total protein, Albumin, A/G ratio, T-bilirubin, Glucose, T-cholesterol, Phospholipid <rat only>, Glutamic oxaloacetic transaminase (GOT), Glutamic pyruvic transaminase (GPT), Lactate dehydrogenase (LDH), γ-Glutamyl transpeptidase (G-GTP) <rat only> Creatine phosphokinase (CPK) Urea nitrogen, Creatinine <rat only>, Sodium, Potassium, Chloride, calcium, Inorganic phosphorus.</p>	<p>Biochemical examination performed on scheduled sacrificed animals.</p> <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.</p>
<p><Urinalysis> None</p>	<p>Urinalysis examination performed on survival animals.</p> <p>pH, Protein, Glucose, Ketone body, Bilirubin <rat only>, Occult blood, Urobilinogen.</p>
<p><Necropsy> Necropsy performed on all animals.</p>	<p>Same as two-week studies</p>
<p><Organ weight> Organ weight measurement performed on at least five animals per sex per group.</p> <p>brain, lung, liver, spleen, heart, kidney, adrenal, testis, ovary, thymus.</p>	<p>Organ weight measurement performed on scheduled sacrificed animals.</p> <p>Same as two-week studies</p>
<p><Histopathologic examination> Histopathologic examination performed on at least two animals per sex per group.</p> <p>skin, nasal cavity, nasopharynx, larynx trachea, lung, bone marrow, lymph node, thymus, spleen, heart, tongue, salivary gland, esophagus, stomach, small intestine, large intestine, liver, gall bladder <mouse only>, pancreas, kidney, urinary bladder, pituitary, thyroid, parathyroid, adrenal, testis, epididymis, seminal vesicle, prostate, ovary, uterus, vagina, mammary gland, brain, spinal cord, peripheral nerve, eye, Harderian gland, muscle, bone.</p>	<p>Histopathologic examination performed on all animals.</p> <p>Same as two-week studies</p>

TABLE 1

EXPERIMENTAL DESIGN AND MATERIALS AND METHODS

IN THE DRINKING WATER STUDIES OF HYDRAZINE MONOHYDRATE

Two-week Studies	Thirteen-week Studies
<Method of administration> Drinking water	Same as two-week studies
<Number of Groups> Male 6, Female 6	Same as two-week studies
<Size of Groups> 10 males and 10 females of each group	Same as two-week studies
<Animals> Strain and Species F344/DuCrj (Fischer) rat Crj:BDF1 mouse Animal Source Charles River Japan, Inc. Duration Held Before Study 2 wk Age When Placed on Study 6 wk Age When Killed 8 wk	Same as two-week studies Same as two-week studies Same as two-week studies Same as two-week studies 19 wk
<Doses> Rat, Mouse--0, 50, 100, 200, 400, or 800ppm	Rat, mouse--0, 25, 50, 100, 150, or 200ppm
<Duration of Dosing> 7/d wk for 2 wk	7/d wk for 13 wk
<Animal Maintenance> Feed CRF-1 (Oriental Yeast Co., Ltd.) Sterilized by γ -ray Available <i>ad libitum</i> Water Filtrated and sterilized by ultraviolet rays Automatic watering system in duration of quarantine Glass bottle in duration of acclimation and administration Available <i>ad libitum</i> Animal per Cage Single (stainless steel wire) Animal Room Environment Barrier system Temperature : $24 \pm 2^\circ\text{C}$ Humidity : $55 \pm 10\%$ Fluorescent light : 12h/d Room air changes : 15~17 changes/h	Same as two-week studies Same as two-week studies Same as two-week studies Same as two-week studies Same as two-week studies Same as two-week studies
<Type and Frequency of Observation> Clinical sign Observed 1 or 2 per d Body weight Weighed 0-0, 1-1, 1-3, 1-7, 2-3, and 2-7 (wk-d) Food consumption Weighed 1 per wk Water consumption weighed 2 per wk	Observed 1 per d Weighed 1 per wk Weighed 1 per wk Weighed 1 per wk

TABLE 2

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

Week-Day on Study	Control		50ppm			100ppm			200ppm			400ppm			800ppm		
	Av.Wt.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.
	<10>		<10>			<10>			<10>			<10>			<10>		
0-0	124(10)	10/10	124(10)	100	10/10	124(10)	100	10/10	124(10)	100	10/10	124(10)	100	10/10	124(10)	100	10/10
1-1	128(10)	10/10	125(10)	98	10/10	122(10)	95	10/10	120(10)	94	10/10	117(10)	91	10/10	115(10)	90	10/10
1-3	135(10)	10/10	130(10)	96	10/10	127(10)	94	10/10	123(10)	91	10/10	108(10)	80	10/10	102(10)	76	10/10
1-7	150(10)	10/10	144(10)	96	10/10	144(10)	96	10/10	126(10)	84	10/10	89(10)	59	10/10	82(10)	55	10/10
2-3	162(10)	10/10	153(10)	94	10/10	150(10)	93	10/10	129(10)	80	10/10	79(10)	49	10/10	70(10)	43	10/10
2-7	178(10)	10/10	166(10)	93	10/10	161(10)	90	10/10	137(10)	77	10/10	68(9)	38	9/10	- (-)	-	0/10
< >:No. of effective animals, ():No. of measurement animals									Av.Wt.:g								

TABLE 3

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

Week-Day on Study	Control		50ppm			100ppm			200ppm			400ppm			800ppm		
	Av.Wt.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.
	<10>		<10>			<10>			<10>			<10>			<10>		
0-0	100(10)	10/10	100(10)	100	10/10	99(10)	99	10/10	99(10)	99	10/10	99(10)	99	10/10	100(10)	100	10/10
1-1	100(10)	10/10	96(10)	96	10/10	96(10)	96	10/10	94(10)	94	10/10	92(10)	92	10/10	91(10)	91	10/10
1-3	107(10)	10/10	101(10)	94	10/10	94(10)	88	10/10	87(10)	81	10/10	83(10)	78	10/10	79(10)	74	10/10
1-7	117(10)	10/10	108(10)	92	10/10	104(10)	89	10/10	79(10)	68	10/10	65(10)	56	9/10	62(9)	53	9/10
2-3	122(10)	10/10	111(10)	91	10/10	104(10)	85	10/10	74(10)	61	10/10	62(7)	51	7/10	56(1)	46	1/10
2-7	129(10)	10/10	117(10)	91	10/10	110(10)	85	10/10	75(10)	58	10/10	57(4)	44	4/10	- (-)	-	0/10
< >:No. of effective animals, ():No. of measurement animals									Av.Wt.:g								

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

Week-Day on Study	Control		50ppm			100ppm			200ppm			400ppm			800ppm		
	Av.Wt.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.
	<10>		<10>			<10>			<10>			<10>			<10>		
1-3	17.4(10)	10/10	11.0(10)	63	10/10	9.7(10)	56	10/10	8.4(10)	48	10/10	3.9(10)	22	10/10	1.8(10)	10	10/10
1-7	17.3(10)	10/10	11.7(10)	68	10/10	12.3(10)	71	10/10	9.5(10)	55	10/10	2.0(10)	12	10/10	1.3(10)	8	10/10
2-3	17.7(10)	10/10	11.9(10)	67	10/10	10.8(10)	61	10/10	9.5(10)	54	10/10	2.4(10)	14	10/10	1.1(10)	6	10/10
2-7	16.6(10)	10/10	11.4(10)	69	10/10	11.4(10)	69	10/10	9.6(10)	58	10/10	2.1(9)	13	9/10	- (-)	-	0/10
< >:No. of effective animals, ():No. of measurement animals									Av.Wt.:g								

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

Week-Day on Study	Control		50ppm			100ppm			200ppm			400ppm			800ppm		
	Av.Wt.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.
	<10>		<10>			<10>			<10>			<10>			<10>		
1-3	14.6(10)	10/10	9.0(10)	62	10/10	6.3(10)	43	10/10	4.0(10)	27	10/10	2.4(10)	16	10/10	1.5(10)	10	10/10
1-7	14.7(10)	10/10	9.6(10)	65	10/10	9.8(10)	67	10/10	4.4(10)	30	10/10	1.4(10)	10	9/10	1.2(9)	8	9/10
2-3	14.8(10)	10/10	9.1(10)	61	10/10	7.7(10)	52	10/10	4.9(10)	33	10/10	3.7(7)	25	7/10	1.6(1)	11	1/10
2-7	13.7(10)	10/10	8.8(10)	64	10/10	8.2(10)	60	10/10	5.6(10)	41	10/10	3.1(4)	23	4/10	- (-)	-	0/10
< >:No. of effective animals, ():No. of measurement animals									Av.Wt.:g								

TABLE 6 FOOD CONSUMPTION IN MALE RAT (TWO-WEEK STUDY)

Week on Study	Control		50ppm			100ppm			200ppm			400ppm			800ppm		
	Av.Wt.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.
	<10>		<10>			<10>			<10>			<10>			<10>		
1	12.8(10)	10/10	11.3(10)	88	10/10	11.2(10)	88	10/10	9.4(10)	73	10/10	4.5(10)	35	10/10	3.5(10)	27	10/10
2	13.5(10)	10/10	11.8(10)	87	10/10	11.7(10)	87	10/10	9.7(10)	72	10/10	3.5(9)	26	9/10	- (-)	-	0/10
< >:No. of effective animals, ():No. of measurement animals									Av.Wt.:g								

TABLE 7 FOOD CONSUMPTION IN FEMALE RAT (TWO-WEEK STUDY)

Week on Study	Control		50ppm			100ppm			200ppm			400ppm			800ppm		
	Av.Wt.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.
	<10>		<10>			<10>			<10>			<10>			<10>		
1	10.3(10)	10/10	8.8(10)	85	10/10	7.8(10)	76	10/10	4.7(10)	46	10/10	2.8(10)	27	9/10	2.3(9)	22	9/10
2	10.1(10)	10/10	9.0(10)	89	10/10	8.5(10)	84	10/10	5.3(10)	52	10/10	4.0(4)	40	4/10	- (-)	-	0/10
< >:No. of effective animals, ():No. of measurement animals									Av.Wt.:g								

TABLE 8

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

Week-Day on Study	Control		25ppm			50ppm			100ppm			150ppm			200ppm		
	Av.Wt.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.
	<10>		<10>			<10>			<10>			<10>			<10>		
0-0	122(10)	10/10	122(10)	100	10/10	122(10)	100	10/10	122(10)	100	10/10	122(10)	100	10/10	122(10)	100	10/10
1-7	148(10)	10/10	146(10)	99	10/10	142(10)	96	10/10	137(10)	93	10/10	132(10)	89	10/10	114(10)	77	10/10
2-7	177(10)	10/10	172(10)	97	10/10	165(10)	93	10/10	158(10)	89	10/10	149(10)	84	10/10	123(10)	69	10/10
3-7	200(10)	10/10	195(10)	98	10/10	184(10)	92	10/10	175(10)	88	10/10	163(10)	82	10/10	138(10)	69	10/10
4-7	221(10)	10/10	214(10)	97	10/10	202(10)	91	10/10	191(10)	86	10/10	171(10)	77	10/10	147(10)	67	10/10
5-7	236(10)	10/10	229(10)	97	10/10	215(10)	91	10/10	200(10)	85	10/10	176(10)	75	10/10	145(10)	61	10/10
6-7	251(10)	10/10	241(10)	96	10/10	227(10)	90	10/10	207(10)	82	10/10	179(10)	71	10/10	143(10)	57	10/10
7-7	261(10)	10/10	249(10)	95	10/10	233(10)	89	10/10	211(10)	81	10/10	180(10)	69	10/10	139(10)	53	10/10
8-7	275(10)	10/10	263(10)	96	10/10	245(10)	89	10/10	217(10)	79	10/10	186(10)	68	10/10	138(10)	50	10/10
9-7	284(10)	10/10	271(10)	95	10/10	253(10)	89	10/10	221(10)	78	10/10	187(10)	66	10/10	133(10)	47	10/10
10-7	291(10)	10/10	277(10)	95	10/10	260(10)	89	10/10	227(10)	78	10/10	190(10)	65	10/10	139(9)	48	9/10
11-7	298(10)	10/10	283(10)	95	10/10	266(10)	89	10/10	232(10)	78	10/10	192(10)	64	10/10	139(9)	47	9/10
12-7	304(10)	10/10	288(10)	95	10/10	273(10)	90	10/10	236(10)	78	10/10	197(10)	65	10/10	139(9)	46	9/10
13-7	307(10)	10/10	292(10)	95	10/10	278(10)	91	10/10	237(10)	77	10/10	197(10)	64	10/10	142(9)	46	9/10
		< >:No. of effective animals, ():No. of measurement animals															
		Av.Wt.:g															

TABLE 9

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

Week-Day on Study	Control		25pm			50ppm			100ppm			150ppm			200ppm		
	Av.Wt.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.
	<10>		<10>			<10>			<10>			<10>			<10>		
0-0	101(10)	10/10	102(10)	101	10/10	102(10)	101	10/10	101(10)	100	10/10	102(10)	101	10/10	102(10)	101	10/10
1-7	115(10)	10/10	113(10)	98	10/10	109(10)	95	10/10	101(10)	88	10/10	91(10)	79	10/10	81(10)	70	10/10
2-7	127(10)	10/10	124(10)	98	10/10	120(10)	94	10/10	110(10)	87	10/10	102(10)	80	10/10	87(10)	69	10/10
3-7	135(10)	10/10	132(10)	98	10/10	129(10)	96	10/10	118(10)	87	10/10	111(10)	82	10/10	99(10)	73	10/10
4-7	143(10)	10/10	138(10)	97	10/10	137(10)	96	10/10	122(10)	85	10/10	115(10)	80	10/10	104(10)	73	10/10
5-7	151(10)	10/10	145(10)	96	10/10	143(10)	95	10/10	127(10)	84	10/10	120(10)	79	10/10	106(10)	70	10/10
6-7	155(10)	10/10	148(10)	95	10/10	145(10)	94	10/10	128(10)	83	10/10	119(10)	77	10/10	104(10)	67	10/10
7-7	159(10)	10/10	150(10)	94	10/10	146(10)	92	10/10	129(10)	81	10/10	119(10)	75	10/10	98(10)	62	10/10
8-7	162(10)	10/10	155(10)	96	10/10	151(10)	93	10/10	132(10)	81	10/10	121(10)	75	10/10	98(10)	60	10/10
9-7	166(10)	10/10	157(10)	95	10/10	152(10)	92	10/10	134(10)	81	10/10	121(10)	73	10/10	97(10)	58	10/10
10-7	168(10)	10/10	159(10)	95	10/10	155(10)	92	10/10	135(10)	80	10/10	122(10)	73	10/10	94(10)	56	10/10
11-7	171(10)	10/10	164(10)	96	10/10	158(10)	92	10/10	137(10)	80	10/10	122(10)	71	10/10	92(10)	54	10/10
12-7	172(10)	10/10	165(10)	96	10/10	162(10)	94	10/10	138(10)	80	10/10	124(10)	72	10/10	92(10)	53	10/10
13-7	174(10)	10/10	169(10)	97	10/10	166(10)	95	10/10	141(10)	81	10/10	126(10)	72	10/10	90(10)	52	10/10
		< >:No. of effective animals, ():No. of measurement animals															
		Av.Wt.:g															

TABLE 10 WATER CONSUMPTION IN MALE RAT (THIRTEEN-WEEK STUDY)

Week on Study	Control		25ppm			50ppm			100ppm			150ppm			200ppm		
	Av.Wt.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.
	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>
1	17.5(10)	10/10	14.0(10)	80	10/10	12.7(10)	73	10/10	12.4(10)	71	10/10	12.3(10)	70	10/10	7.9(10)	45	10/10
2	18.6(10)	10/10	15.9(10)	85	10/10	13.5(10)	73	10/10	13.0(10)	70	10/10	11.7(10)	63	10/10	8.4(10)	45	10/10
3	21.8(10)	10/10	14.4(10)	66	10/10	13.3(10)	61	10/10	11.9(10)	55	10/10	11.0(10)	50	10/10	9.1(10)	42	10/10
4	20.9(10)	10/10	14.8(10)	71	10/10	14.8(10)	71	10/10	12.1(10)	58	10/10	10.6(10)	51	10/10	8.8(10)	42	10/10
5	18.6(10)	10/10	13.6(10)	73	10/10	12.3(10)	66	10/10	10.7(10)	58	10/10	8.8(10)	47	10/10	7.2(10)	39	10/10
6	20.5(10)	10/10	14.9(10)	73	10/10	12.9(10)	63	10/10	10.8(10)	53	10/10	8.7(10)	42	10/10	6.3(10)	31	10/10
7	18.5(10)	10/10	13.4(10)	72	10/10	11.5(10)	62	10/10	9.6(10)	52	10/10	7.7(10)	42	10/10	5.5(10)	30	10/10
8	19.6(10)	10/10	14.7(10)	75	10/10	13.1(10)	67	10/10	10.2(10)	52	10/10	8.8(10)	45	10/10	5.8(10)	30	10/10
9	19.6(10)	10/10	14.6(10)	74	10/10	13.1(10)	67	10/10	10.5(10)	54	10/10	8.8(10)	45	10/10	5.9(10)	30	10/10
10	18.1(10)	10/10	13.4(10)	74	10/10	12.0(10)	66	10/10	10.1(10)	56	10/10	8.4(10)	46	10/10	6.0(9)	33	9/10
11	18.4(10)	10/10	14.0(10)	76	10/10	12.9(10)	70	10/10	12.0(10)	65	10/10	8.4(10)	46	10/10	6.0(9)	33	9/10
12	18.8(10)	10/10	14.2(10)	76	10/10	13.6(10)	72	10/10	10.8(10)	57	10/10	8.8(10)	47	10/10	5.9(9)	31	9/10
13	18.2(10)	10/10	14.7(10)	81	10/10	13.2(10)	73	10/10	10.9(10)	60	10/10	9.1(10)	50	9/10	7.0(9)	38	9/10
< >:No. of effective animals, ():No. of measurement animals																	
Av.Wt.:g																	

TABLE 11 WATER CONSUMPTION IN FEMALE RAT (THIRTEEN-WEEK STUDY)

Week on Study	Control		25pm			50ppm			100ppm			150ppm			200ppm		
	Av.Wt.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.
	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>
1	15.3(10)	10/10	11.6(10)	76	10/10	10.3(10)	67	10/10	8.6(10)	56	10/10	8.8(10)	58	10/10	4.6(10)	30	10/10
2	15.7(10)	10/10	11.1(10)	71	10/10	10.4(10)	66	10/10	9.7(10)	62	10/10	11.0(10)	70	10/10	7.7(10)	49	10/10
3	15.1(10)	10/10	10.5(10)	70	10/10	9.5(10)	63	10/10	9.0(10)	60	10/10	8.2(10)	54	10/10	7.2(10)	48	10/10
4	15.3(10)	10/10	9.9(10)	65	10/10	9.2(10)	60	10/10	8.2(10)	54	10/10	7.6(10)	50	10/10	6.4(10)	42	10/10
5	14.6(10)	10/10	9.5(10)	65	10/10	8.6(10)	59	10/10	7.6(10)	52	10/10	7.3(10)	50	10/10	5.3(10)	36	10/10
6	15.5(10)	10/10	9.7(10)	63	10/10	8.6(10)	55	10/10	7.5(10)	48	10/10	6.7(10)	43	10/10	5.1(10)	33	10/10
7	15.4(10)	10/10	9.0(10)	58	10/10	8.7(10)	56	10/10	7.0(10)	45	10/10	6.8(10)	44	10/10	4.1(10)	27	10/10
8	15.8(10)	10/10	9.7(10)	61	10/10	9.9(10)	63	10/10	6.7(10)	42	10/10	6.8(10)	43	10/10	4.4(10)	28	10/10
9	16.3(10)	10/10	9.1(10)	56	10/10	8.4(10)	52	10/10	6.8(10)	42	10/10	6.2(10)	38	10/10	4.5(10)	28	10/10
10	13.4(10)	10/10	8.4(10)	63	10/10	7.8(10)	58	10/10	6.6(10)	49	10/10	5.8(10)	43	10/10	4.0(10)	30	10/10
11	17.2(10)	10/10	9.5(10)	55	10/10	10.1(10)	59	10/10	6.7(10)	39	10/10	5.9(10)	34	10/10	4.2(10)	24	10/10
12	16.9(10)	10/10	9.4(10)	56	10/10	12.3(10)	73	10/10	6.7(10)	40	10/10	6.1(10)	36	10/10	4.4(10)	26	10/10
13	18.1(10)	10/10	10.4(10)	57	10/10	9.4(10)	52	10/10	7.9(10)	44	10/10	6.9(10)	38	10/10	4.8(10)	27	10/10
< >:No. of effective animals, ():No. of measurement animals																	
Av.Wt.:g																	

TABLE 12 FOOD CONSUMPTION IN MALE RAT (THIRTEEN-WEEK STUDY)

Week on Study	Control		25ppm			50ppm			100ppm			150ppm			200ppm		
	Av.Wt.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.
	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>
1	13.4(10)	10/10	12.7(10)	95	10/10	12.2(10)	91	10/10	11.2(10)	84	10/10	10.7(10)	80	10/10	8.8(10)	66	10/10
2	14.7(10)	10/10	14.0(10)	95	10/10	13.3(10)	90	10/10	12.5(10)	85	10/10	12.0(10)	82	10/10	10.2(10)	69	10/10
3	15.6(10)	10/10	14.4(10)	92	10/10	14.0(10)	90	10/10	13.1(10)	84	10/10	12.2(10)	78	10/10	11.1(10)	71	10/10
4	15.5(10)	10/10	14.1(10)	91	10/10	13.5(10)	87	10/10	12.5(10)	81	10/10	11.4(10)	74	10/10	10.2(10)	66	10/10
5	15.3(10)	10/10	14.2(10)	93	10/10	13.6(10)	89	10/10	12.6(10)	82	10/10	11.0(10)	72	10/10	9.1(10)	59	10/10
6	15.9(10)	10/10	14.6(10)	92	10/10	14.0(10)	88	10/10	12.7(10)	80	10/10	11.0(10)	69	10/10	8.5(10)	53	10/10
7	15.4(10)	10/10	14.3(10)	93	10/10	13.3(10)	86	10/10	12.0(10)	78	10/10	10.7(10)	69	10/10	7.9(10)	51	10/10
8	15.7(10)	10/10	14.5(10)	92	10/10	13.6(10)	87	10/10	11.9(10)	76	10/10	10.3(10)	66	10/10	7.9(10)	50	10/10
9	15.3(10)	10/10	14.1(10)	92	10/10	13.3(10)	87	10/10	11.6(10)	76	10/10	10.3(10)	67	10/10	7.1(10)	46	10/10
10	14.7(10)	10/10	13.7(10)	93	10/10	12.9(10)	88	10/10	11.5(10)	78	10/10	10.2(10)	69	10/10	7.5(9)	51	9/10
11	15.1(10)	10/10	13.8(10)	91	10/10	13.6(10)	90	10/10	12.0(10)	79	10/10	10.4(10)	69	10/10	7.7(9)	51	9/10
12	14.5(10)	10/10	13.7(10)	94	10/10	13.6(10)	94	10/10	12.1(10)	83	10/10	10.6(10)	73	10/10	7.9(9)	54	9/10
13	14.8(10)	10/10	14.1(10)	95	10/10	13.8(10)	93	10/10	12.2(10)	82	10/10	11.0(10)	74	9/10	8.3(9)	56	9/10
< >:No. of effective animals, ():No. of measurement animals																	
Av.Wt.:g																	

TABLE 13 FOOD CONSUMPTION IN FEMALE RAT (THIRTEEN-WEEK STUDY)

Week on Study	Control		25pm			50ppm			100ppm			150ppm			200ppm		
	Av.Wt.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.
	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>	<10>
1	10.8(10)	10/10	10.5(10)	97	10/10	9.8(10)	91	10/10	8.3(10)	77	10/10	6.8(10)	63	10/10	5.5(10)	51	10/10
2	11.3(10)	10/10	10.5(10)	93	10/10	10.5(10)	93	10/10	9.5(10)	84	10/10	9.0(10)	80	10/10	7.0(10)	62	10/10
3	11.0(10)	10/10	10.2(10)	93	10/10	10.3(10)	94	10/10	9.5(10)	86	10/10	8.8(10)	80	10/10	8.1(10)	74	10/10
4	10.2(10)	10/10	9.3(10)	91	10/10	9.6(10)	94	10/10	8.8(10)	86	10/10	8.2(10)	80	10/10	7.5(10)	74	10/10
5	10.4(10)	10/10	9.6(10)	92	10/10	9.3(10)	89	10/10	8.3(10)	80	10/10	8.1(10)	78	10/10	7.1(10)	68	10/10
6	10.2(10)	10/10	9.3(10)	91	10/10	9.2(10)	90	10/10	8.1(10)	79	10/10	7.7(10)	75	10/10	6.6(10)	65	10/10
7	9.8(10)	10/10	8.7(10)	89	10/10	8.9(10)	91	10/10	7.9(10)	81	10/10	7.3(10)	74	10/10	5.8(10)	59	10/10
8	9.6(10)	10/10	8.8(10)	92	10/10	9.0(10)	94	10/10	7.9(10)	82	10/10	7.2(10)	75	10/10	5.8(10)	60	10/10
9	9.7(10)	10/10	8.7(10)	90	10/10	8.7(10)	90	10/10	7.4(10)	76	10/10	7.1(10)	73	10/10	5.9(10)	61	10/10
10	9.1(10)	10/10	8.0(10)	88	10/10	8.5(10)	93	10/10	7.4(10)	81	10/10	6.9(10)	76	10/10	5.5(10)	60	10/10
11	9.6(10)	10/10	8.8(10)	92	10/10	8.9(10)	93	10/10	7.5(10)	78	10/10	7.1(10)	74	10/10	5.3(10)	55	10/10
12	9.5(10)	10/10	8.9(10)	94	10/10	9.0(10)	95	10/10	7.5(10)	79	10/10	7.2(10)	76	10/10	5.7(10)	60	10/10
13	9.8(10)	10/10	9.5(10)	97	10/10	9.4(10)	96	10/10	8.1(10)	83	10/10	7.5(10)	77	10/10	5.7(10)	58	10/10
< >:No. of effective animals, ():No. of measurement animals																	
Av.Wt.:g																	

(Study No. 0261, 0262, 0265, 0266)

TABLE 14

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

Week-Day on Study	Control		50ppm			100ppm			200ppm			400ppm			800ppm		
	Av.Wt.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.
	<10>		<10>			<10>			<10>			<10>			<10>		
0-0	22.8(10)	10/10	22.7(10)	100	10/10	22.8(10)	100	10/10	22.7(10)	100	10/10	22.7(10)	100	10/10	22.7(10)	100	10/10
1-1	22.3(10)	10/10	21.5(10)	96	10/10	21.0(10)	94	10/10	20.5(10)	92	10/10	20.4(10)	91	10/10	20.0(10)	90	10/10
1-3	23.4(10)	10/10	21.8(10)	93	10/10	21.4(10)	91	10/10	19.4(10)	83	10/10	18.6(10)	79	10/10	17.8(10)	76	10/10
1-7	24.2(10)	10/10	22.7(10)	94	10/10	21.1(10)	87	10/10	19.0(10)	79	10/10	16.1(10)	67	10/10	14.5(10)	60	10/10
2-3	24.7(10)	10/10	23.3(10)	94	10/10	22.3(10)	90	10/10	18.9(10)	77	10/10	14.9(10)	60	10/10	13.3(8)	54	7/10
2-7	25.2(10)	10/10	24.1(10)	96	10/10	23.0(10)	91	10/10	19.0(10)	75	10/10	13.2(10)	52	10/10	12.8(1)	51	1/10
< >:No. of effective animals, ():No. of measurement animals																	
Av.Wt.:g																	

TABLE 15

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

Week-Day on Study	Control		50ppm			100ppm			200ppm			400ppm			800ppm		
	Av.Wt.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.
	<10>		<10>			<10>			<10>			<10>			<10>		
0-0	18.6(10)	10/10	18.6(10)	100	10/10	18.6(10)	100	10/10	18.6(10)	100	10/10	18.6(10)	100	10/10	18.6(10)	100	10/10
1-1	18.0(10)	10/10	16.9(10)	94	10/10	16.6(10)	92	10/10	16.6(10)	92	10/10	16.3(10)	91	10/10	16.1(10)	89	10/10
1-3	18.7(10)	10/10	17.0(10)	91	10/10	16.1(10)	86	10/10	15.4(10)	82	10/10	14.7(10)	79	10/10	14.2(10)	76	10/10
1-7	19.3(10)	10/10	18.4(10)	95	10/10	16.8(10)	87	10/10	14.4(10)	75	10/10	12.6(10)	65	10/10	11.7(10)	61	10/10
2-3	19.3(10)	10/10	18.4(10)	95	10/10	16.9(10)	88	10/10	14.1(10)	73	10/10	11.5(10)	60	10/10	10.7(7)	55	7/10
2-7	19.9(10)	10/10	19.0(10)	95	10/10	17.9(10)	90	10/10	13.8(10)	69	10/10	10.5(9)	53	9/10	- (-)	-	0/10
< >:No. of effective animals, ():No. of measurement animals																	
Av.Wt.:g																	

TABLE 16

WATER CONSUMPTION IN MALE MOUSE (TWO-WEEK STUDY)

Week-Day on Study	Control		50ppm			100ppm			200ppm			400ppm			800ppm		
	Av.Wt.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.
	<10>		<10>			<10>			<10>			<10>			<10>		
1-3	3.9(10)	10/10	1.9(10)	49	10/10	1.6(10)	41	10/10	0.8(10)	21	10/10	0.5(10)	13	10/10	0.3(10)	8	10/10
1-7	4.0(10)	10/10	2.0(10)	50	10/10	1.6(10)	40	10/10	1.1(10)	28	10/10	0.6(10)	15	10/10	0.3(10)	8	10/10
2-3	4.0(10)	10/10	1.8(10)	45	10/10	1.7(10)	43	10/10	0.9(10)	23	10/10	0.4(10)	10	10/10	0.3(8)	8	7/10
2-7	3.8(10)	10/10	1.6(10)	42	10/10	1.6(10)	42	10/10	0.9(10)	24	10/10	0.4(10)	11	10/10	0.3(1)	8	1/10
< >:No. of effective animals, ():No. of measurement animals		Av.Wt.:g															

TABLE 17

WATER CONSUMPTION IN FEMALE MOUSE (TWO-WEEK STUDY)

Week-Day on Study	Control		50ppm			100ppm			200ppm			400ppm			800ppm		
	Av.Wt.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.
	<10>		<10>			<10>			<10>			<10>			<10>		
1-3	3.6(10)	10/10	1.6(10)	44	10/10	1.1(10)	31	10/10	0.7(10)	19	10/10	0.4(10)	11	10/10	0.3(10)	8	10/10
1-7	4.0(10)	10/10	2.0(10)	50	10/10	1.6(10)	40	10/10	0.8(10)	20	10/10	0.5(10)	13	10/10	0.3(10)	8	10/10
2-3	4.1(10)	10/10	1.7(10)	41	10/10	1.3(10)	32	10/10	0.8(10)	20	10/10	0.4(10)	10	10/10	0.3(7)	7	7/10
2-7	4.1(10)	10/10	1.7(10)	41	10/10	1.6(10)	39	10/10	0.8(10)	20	10/10	0.5(9)	12	9/10	- (-)	-	0/10
< >:No. of effective animals, ():No. of measurement animals		Av.Wt.:g															

TABLE 18

FOOD CONSUMPTION IN MALE MOUSE (TWO-WEEK STUDY)

Week on Study	Control		50ppm			100ppm			200ppm			400ppm			800ppm		
	Av.Wt.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.
	<10>		<10>			<10>			<10>			<10>			<10>		
1	3.6(10)	10/10	3.2(10)	89	10/10	2.9(10)	81	10/10	2.4(10)	67	10/10	1.8(10)	50	10/10	1.6(10)	44	10/10
2	3.7(10)	10/10	3.7(10)	100	10/10	3.7(10)	100	10/10	3.2(10)	86	10/10	2.1(10)	57	10/10	1.7(1)	46	1/10
		< >:No. of effective animals, ():No. of measurement animals						Av.Wt.:g									

TABLE 19

FOOD CONSUMPTION IN FEMALE MOUSE (TWO-WEEK STUDY)

Week on Study	Control		50ppm			100ppm			200ppm			400ppm			800ppm		
	Av.Wt.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.
	<10>		<10>			<10>			<10>			<10>			<10>		
1	3.0(10)	10/10	2.8(10)	93	10/10	2.5(10)	83	10/10	2.0(10)	67	10/10	1.5(10)	50	10/10	1.3(10)	43	10/10
2	3.4(10)	10/10	3.1(10)	91	10/10	3.1(10)	91	10/10	2.5(10)	74	10/10	2.0(9)	59	9/10	- (-)	-	0/10
		< >:No. of effective animals, ():No. of measurement animals						Av.Wt.:g									

TABLE 20

SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES IN MALE MOUSE (THIRTEEN-WEEK STUDY)

Week-Day on Study	Control		25ppm			50ppm			100ppm			150ppm			200ppm		
	Av.Wt.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.
	<10>		<10>			<10>			<10>			<10>			<10>		
0-0	24.3(10)	10/10	24.4(10)	100	10/10	24.3(10)	100	10/10	24.3(10)	100	10/10	24.4(10)	100	10/10	24.4(10)	100	10/10
1-7	24.7(10)	10/10	24.3(10)	98	10/10	23.3(10)	94	10/10	23.0(10)	93	10/10	21.9(10)	89	10/10	20.5(10)	83	10/10
2-7	26.0(10)	10/10	25.5(10)	98	10/10	24.5(10)	94	10/10	23.8(10)	92	10/10	22.5(10)	87	10/10	20.3(10)	78	10/10
3-7	26.9(10)	10/10	26.0(10)	97	10/10	25.4(10)	94	10/10	24.9(10)	93	10/10	23.8(10)	88	10/10	20.6(10)	77	10/10
4-7	28.1(10)	10/10	26.9(10)	96	10/10	25.6(10)	97	10/10	25.6(10)	91	10/10	24.3(10)	86	10/10	20.8(10)	74	10/10
5-7	29.4(10)	10/10	27.4(10)	93	10/10	26.1(10)	89	10/10	25.9(10)	88	10/10	24.6(10)	84	10/10	21.0(10)	71	10/10
6-7	30.2(10)	10/10	28.0(10)	93	10/10	26.7(10)	88	10/10	26.1(10)	86	10/10	24.9(10)	82	10/10	21.6(10)	72	10/10
7-7	30.8(10)	10/10	27.6(10)	90	10/10	26.3(10)	85	10/10	25.9(10)	84	10/10	24.7(10)	80	10/10	21.2(10)	69	10/10
8-7	32.1(10)	10/10	28.5(10)	89	10/10	27.1(10)	84	10/10	26.4(10)	82	10/10	24.8(10)	77	10/10	21.5(10)	67	10/10
9-7	32.6(10)	10/10	28.7(10)	88	10/10	27.2(10)	83	10/10	26.3(10)	81	10/10	24.7(10)	76	10/10	21.6(10)	66	10/10
10-7	33.3(10)	10/10	28.9(10)	87	10/10	27.7(10)	83	10/10	26.5(10)	80	10/10	25.1(10)	75	10/10	21.8(10)	65	10/10
11-7	34.0(10)	10/10	30.1(10)	89	10/10	28.8(10)	85	10/10	27.6(10)	81	10/10	26.2(10)	77	10/10	22.8(10)	67	10/10
12-7	34.5(10)	10/10	30.3(10)	88	10/10	28.8(10)	83	10/10	27.6(10)	80	10/10	26.1(10)	76	10/10	23.9(9)	69	9/10
13-7	35.2(10)	10/10	30.7(10)	87	10/10	29.1(10)	83	10/10	27.3(10)	78	10/10	25.2(10)	72	10/10	23.4(9)	66	9/10

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

TABLE 21

SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES IN FEMALE MOUSE (THIRTEEN-WEEK STUDY)

Week-Day on Study	Control		25ppm			50ppm			100ppm			150ppm			200ppm		
	Av.Wt.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.
	<10>		<10>			<10>			<10>			<10>			<10>		
0-0	19.3(10)	10/10	19.4(10)	101	10/10	19.3(10)	100	10/10	19.3(9)	100	10/10	19.3(10)	100	10/10	19.3(10)	100	10/10
1-7	18.9(10)	10/10	19.2(10)	102	10/10	18.9(10)	100	10/10	18.8(9)	99	10/10	16.8(10)	89	10/10	15.3(10)	81	10/10
2-7	20.5(10)	10/10	20.3(10)	99	10/10	19.7(10)	96	10/10	19.6(9)	96	10/10	17.6(10)	86	10/10	14.6(10)	71	10/10
3-7	20.7(10)	10/10	20.6(10)	100	10/10	20.3(10)	98	10/10	19.9(9)	96	10/10	18.8(10)	91	10/10	17.0(10)	82	10/10
4-7	20.7(10)	10/10	21.1(10)	102	10/10	20.7(10)	100	10/10	20.6(9)	100	10/10	19.4(10)	94	10/10	19.0(10)	92	10/10
5-7	21.7(10)	10/10	21.8(10)	100	10/10	21.1(10)	97	10/10	21.3(9)	98	10/10	20.3(10)	94	10/10	18.9(10)	87	10/10
6-7	21.7(10)	10/10	22.2(10)	102	10/10	21.9(10)	101	10/10	21.8(9)	100	10/10	20.3(10)	94	10/10	19.3(10)	89	10/10
7-7	22.3(10)	10/10	21.9(10)	98	10/10	21.8(10)	98	10/10	21.4(9)	96	10/10	20.4(10)	91	10/10	19.6(10)	88	10/10
8-7	22.8(10)	10/10	22.3(10)	98	10/10	21.8(10)	96	10/10	21.5(9)	94	10/10	21.0(10)	92	10/10	20.4(10)	89	10/10
9-7	22.4(10)	10/10	22.7(10)	101	10/10	22.2(10)	99	10/10	21.8(9)	97	10/10	21.2(10)	95	10/10	20.0(10)	89	10/10
10-7	22.6(10)	10/10	22.6(10)	100	10/10	22.3(10)	99	10/10	21.8(9)	96	10/10	21.3(10)	94	10/10	20.0(10)	88	10/10
11-7	23.6(10)	10/10	23.6(10)	100	10/10	23.2(10)	98	10/10	22.7(9)	96	10/10	22.3(10)	94	10/10	21.1(10)	89	10/10
12-7	23.7(10)	10/10	23.4(10)	99	10/10	23.2(10)	98	10/10	22.7(9)	96	10/10	22.3(10)	94	10/10	20.9(10)	88	10/10
13-7	23.8(10)	10/10	24.2(10)	102	10/10	23.1(10)	97	10/10	22.5(9)	95	9/9	22.1(10)	93	10/10	20.7(10)	87	10/10

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

TABLE 22

WATER CONSUMPTION IN MALE MOUSE (THIRTEEN-WEEK STUDY)

Week on Study	Control		25ppm			50ppm			100ppm			150ppm			200ppm		
	Av.Wt.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.
	<10>		<10>			<10>			<10>			<10>			<10>		
1	4.5(10)	10/10	2.7(10)	60	10/10	2.2(10)	49	10/10	2.0(10)	44	10/10	1.5(10)	33	10/10	1.2(10)	27	10/10
2	4.5(10)	10/10	2.4(10)	53	10/10	1.8(10)	40	10/10	1.6(10)	36	10/10	1.4(10)	31	10/10	1.2(10)	27	10/10
3	4.3(10)	10/10	2.2(10)	54	10/10	2.0(10)	47	10/10	1.8(10)	42	10/10	1.6(10)	37	10/10	1.3(10)	30	10/10
4	4.1(10)	10/10	2.3(10)	56	10/10	1.9(10)	46	10/10	1.8(10)	44	10/10	1.5(10)	37	10/10	1.2(10)	29	10/10
5	4.1(10)	10/10	2.3(10)	56	10/10	1.9(10)	46	10/10	1.7(10)	41	10/10	1.4(10)	34	10/10	1.3(10)	32	10/10
6	4.1(10)	10/10	2.2(10)	54	10/10	1.8(10)	44	10/10	1.7(10)	41	10/10	1.4(10)	34	10/10	1.2(10)	29	10/10
7	4.2(10)	10/10	2.1(10)	50	10/10	1.8(10)	43	10/10	1.7(10)	40	10/10	1.5(10)	36	10/10	1.2(10)	29	10/10
8	4.3(10)	10/10	2.2(10)	51	10/10	1.9(10)	44	10/10	1.7(10)	40	10/10	1.4(10)	33	10/10	1.2(10)	28	10/10
9	4.0(10)	10/10	1.8(10)	45	10/10	1.6(10)	40	10/10	1.4(10)	35	10/10	1.1(10)	28	10/10	1.0(10)	25	10/10
10	3.9(10)	10/10	1.9(10)	49	10/10	1.7(10)	44	10/10	1.5(10)	38	10/10	1.4(10)	36	10/10	1.1(10)	28	10/10
11	3.9(10)	10/10	2.1(10)	54	10/10	2.0(10)	51	10/10	1.7(10)	44	10/10	1.6(10)	41	10/10	1.3(10)	33	10/10
12	3.8(10)	10/10	2.1(10)	55	10/10	1.9(10)	50	10/10	1.6(10)	42	10/10	1.5(10)	39	10/10	1.1(9)	29	9/10
13	3.7(10)	10/10	2.3(10)	62	10/10	2.0(10)	54	10/10	1.6(10)	43	10/10	1.4(10)	38	10/10	1.3(9)	35	9/10
< >:No. of effective animals, ():No. of measurement animals																	
Av.Wt.:g																	

TABLE 23

WATER CONSUMPTION IN FEMALE MOUSE (THIRTEEN-WEEK STUDY)

Week on Study	Control		25pm			50ppm			100ppm			150ppm			200ppm		
	Av.Wt.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.
	<10>		<10>			<10>			<10>			<10>			<10>		
1	4.3(10)	10/10	2.8(10)	65	10/10	2.2(10)	51	10/10	1.9(9)	44	10/10	1.3(10)	30	10/10	0.9(10)	21	10/10
2	4.4(10)	10/10	2.9(10)	66	10/10	2.1(10)	48	10/10	1.7(9)	39	10/10	1.2(10)	27	10/10	0.9(10)	20	10/10
3	4.4(10)	10/10	2.8(10)	64	10/10	2.3(10)	52	10/10	1.8(9)	41	10/10	1.5(10)	34	10/10	1.4(10)	32	10/10
4	4.3(10)	10/10	2.7(10)	63	10/10	2.3(10)	53	10/10	2.0(9)	47	10/10	1.5(10)	35	10/10	1.3(10)	30	10/10
5	4.2(10)	10/10	2.7(10)	64	10/10	2.1(10)	50	10/10	1.8(9)	43	10/10	1.6(10)	38	10/10	1.1(10)	26	10/10
6	4.3(10)	10/10	2.8(10)	65	10/10	2.3(10)	53	10/10	1.8(9)	42	10/10	1.6(10)	37	10/10	1.2(10)	28	10/10
7	4.5(10)	10/10	2.5(10)	56	10/10	2.1(10)	47	10/10	2.0(9)	44	10/10	1.5(10)	33	10/10	1.4(10)	31	10/10
8	4.5(10)	10/10	2.6(10)	58	10/10	2.2(10)	49	10/10	1.9(9)	42	10/10	1.4(10)	31	10/10	1.3(10)	29	10/10
9	4.4(10)	10/10	2.7(10)	61	10/10	2.1(10)	48	10/10	1.7(9)	39	10/10	1.5(10)	34	10/10	1.2(10)	27	10/10
10	4.6(10)	10/10	2.9(10)	63	10/10	2.1(10)	46	10/10	1.7(9)	37	10/10	1.4(10)	30	10/10	1.2(10)	26	10/10
11	4.7(10)	10/10	2.8(10)	60	10/10	2.5(10)	53	10/10	2.2(9)	47	10/10	1.7(10)	36	10/10	1.5(10)	32	10/10
12	4.7(10)	10/10	2.9(10)	62	10/10	2.5(10)	53	10/10	2.2(9)	47	10/10	1.7(10)	36	10/10	1.5(10)	32	10/10
13	4.5(10)	10/10	2.9(10)	64	10/10	2.5(10)	56	10/10	2.0(9)	44	9/9	1.7(10)	38	10/10	1.4(10)	31	10/10
< >:No. of effective animals, ():No. of measurement animals																	
Av.Wt.:g																	

TABLE 24

FOOD CONSUMPTION IN MALE MOUSE (THIRTEEN-WEEK STUDY)

Week on Study	Control		25ppm			50ppm			100ppm			150ppm			200ppm		
	Av.Wt.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.
	<10>		<10>			<10>			<10>			<10>			<10>		
1	3.9(10)	10/10	3.8(10)	97	10/10	3.6(10)	92	10/10	3.5(10)	90	10/10	3.1(10)	79	10/10	3.0(10)	77	10/10
2	3.9(10)	10/10	3.8(10)	97	10/10	3.7(10)	95	10/10	3.6(10)	92	10/10	3.5(10)	90	10/10	3.2(10)	82	10/10
3	3.8(10)	10/10	3.7(10)	97	10/10	3.7(10)	97	10/10	3.7(10)	97	10/10	3.5(10)	92	10/10	3.4(10)	89	10/10
4	4.0(10)	10/10	3.7(10)	93	10/10	3.6(10)	90	10/10	3.5(10)	88	10/10	3.5(10)	88	10/10	3.4(10)	85	10/10
5	4.0(10)	10/10	3.5(10)	88	10/10	3.5(10)	88	10/10	3.6(10)	90	10/10	3.4(10)	85	10/10	3.3(10)	83	10/10
6	3.8(10)	10/10	3.4(10)	89	10/10	3.5(10)	92	10/10	3.4(10)	89	10/10	3.3(10)	87	10/10	3.1(10)	82	10/10
7	3.9(10)	10/10	3.4(10)	87	10/10	3.4(10)	87	10/10	3.4(10)	87	10/10	3.4(10)	87	10/10	3.1(10)	79	10/10
8	4.1(10)	10/10	3.5(10)	85	10/10	3.4(10)	83	10/10	3.4(10)	83	10/10	3.4(10)	83	10/10	3.1(10)	76	10/10
9	4.1(10)	10/10	3.5(10)	85	10/10	3.5(10)	85	10/10	3.5(10)	85	10/10	3.4(10)	83	10/10	3.2(10)	78	10/10
10	3.9(10)	10/10	3.3(10)	85	10/10	3.4(10)	87	10/10	3.3(10)	85	10/10	3.3(10)	85	10/10	3.0(10)	77	10/10
11	4.0(10)	10/10	3.6(10)	90	10/10	3.6(10)	90	10/10	3.5(10)	88	10/10	3.7(10)	93	10/10	3.3(10)	83	10/10
12	4.0(10)	10/10	3.5(10)	88	10/10	3.6(10)	90	10/10	3.4(10)	85	10/10	3.5(10)	88	10/10	3.3(9)	83	9/10
13	4.0(10)	10/10	3.6(10)	90	10/10	3.5(10)	88	10/10	3.4(10)	85	10/10	3.3(10)	83	10/10	3.3(9)	83	9/10
< >:No. of effective animals, ():No. of measurement animals																	
Av.Wt.:g																	

TABLE 25

FOOD CONSUMPTION IN FEMALE MOUSE (THIRTEEN-WEEK STUDY)

Week on Study	Control		25pm			50ppm			100ppm			150ppm			200ppm		
	Av.Wt.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.	Av.Wt.	% of cont.	No. of Surviv.
	<10>		<10>			<10>			<10>			<10>			<10>		
1	3.3(10)	10/10	3.3(10)	100	10/10	3.2(10)	97	10/10	3.0(9)	91	10/10	2.7(10)	82	10/10	2.3(10)	70	10/10
2	3.6(10)	10/10	3.5(10)	97	10/10	3.2(10)	89	10/10	3.3(9)	92	10/10	3.1(10)	86	10/10	2.5(10)	69	10/10
3	3.5(10)	10/10	3.5(10)	100	10/10	3.3(10)	94	10/10	3.2(9)	91	10/10	3.2(10)	91	10/10	3.1(10)	89	10/10
4	3.4(10)	10/10	3.4(10)	100	10/10	3.3(10)	97	10/10	3.2(9)	94	10/10	3.2(10)	94	10/10	3.2(10)	94	10/10
5	3.6(10)	10/10	3.6(10)	100	10/10	3.5(10)	97	10/10	3.2(9)	89	10/10	3.2(10)	89	10/10	2.8(10)	78	10/10
6	3.5(10)	10/10	3.5(10)	100	10/10	3.4(10)	97	10/10	3.2(9)	91	10/10	3.2(10)	91	10/10	2.9(10)	83	10/10
7	3.7(10)	10/10	3.4(10)	92	10/10	3.3(10)	89	10/10	3.2(9)	86	10/10	3.2(10)	86	10/10	2.9(10)	78	10/10
8	3.8(10)	10/10	3.4(10)	89	10/10	3.3(10)	87	10/10	3.2(9)	84	10/10	3.3(10)	87	10/10	3.0(10)	79	10/10
9	3.9(10)	10/10	3.5(10)	90	10/10	3.4(10)	87	10/10	3.3(9)	85	10/10	3.3(10)	85	10/10	3.0(10)	77	10/10
10	3.7(10)	10/10	3.5(10)	95	10/10	3.4(10)	92	10/10	3.2(9)	86	10/10	3.2(10)	86	10/10	3.0(10)	81	10/10
11	3.9(10)	10/10	3.6(10)	92	10/10	3.5(10)	90	10/10	3.4(9)	87	10/10	3.3(10)	85	10/10	3.1(10)	79	10/10
12	3.8(10)	10/10	3.5(10)	92	10/10	3.4(10)	89	10/10	3.3(9)	87	10/10	3.3(10)	87	10/10	3.0(10)	79	10/10
13	3.7(10)	10/10	3.6(10)	97	10/10	3.4(10)	92	10/10	3.4(9)	92	9/9	3.4(10)	92	10/10	3.1(10)	84	10/10
< >:No. of effective animals, ():No. of measurement animals																	
Av.Wt.:g																	