ビフェニル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(混餌試験)報告書

試験番号

2 週 間　：ラット/0179 ; マウス/0180

1 3 週 間 ：ラット/0185 ; マウス/0186

TABLES

TABLES

T A B L E S (CONTINUED)

TABLE 1 EXPERIMENTAL DESIGN AND MATERIALS AND METHODS IN THE FEED STUDIES OF BIPHENYL

	Two-Week Studies	Thirteen-Week Studies
<Method of Administration>	Feed	Feed
<Number of Groups>	Male 6, Female 6	Rat Male 6, Female 6 Mouse Male 7, Female 7
<Size of Study Groups>	10 males and 10 females of each groups	10 males and 10 females of each groups
<Animals>		
Strain and Species	F344/DuCrj (Fischer) rat Crj:BDF_1 mouse	F344/DuCrj (Fischer) rat Crj:BDF_1 mouse
Animal Source	Charles River Japan, Inc.	Charles River Japan, Inc.
During of Time Held Before Study	2 wk	2 wk
Age When Placed on Study	6 wk	6 wk
Age When Killed	8 wk	19 wk
<Doses>	Rat--0, 2500, 5000, 10000, 20000, or 40000ppm; Mouse-- 0, 1250, 2500, 5000, 10000, or 20000ppm	Rat--0, 1000, 2000, 4000, 8000, or 16000ppm; Mous--0, 5, 2000, 4000, 8000, 10000, or 16000ppm
<Duration of Dosing>	7d/wk for 2wk	7d/wk for 13wk
<Animal Maintenance>		
Feed	CRF-1 (Oriental Yeast Co., Ltd.) Sterilized by γ-ray Available ad libitum	Same as two-week studies
Water	Sterilized by ultraviolet rays Automatic watering system Available ad libitum	Same as two-week studies
Animals per Cage	Single (stainless steel wire)	Single (stainless steel wire)
Animal Room Environment	Barrier system Temperature: 24±2℃ Humidity :55±10% Fluorescent light 12h/d 15-17 room air changes /h	Same as two-week studies
<Type and Frequency of Observation>		
Clinical Sign	Observed 1×d	Observed 1×d
Body Weight	Weighed 0-0, 1-1, 1-2, 1-4, 1-7, 2-4, and 2-7 (wk-d)	Weighed 1×wk for 13wk
<Food Consumption>	Weighed 1-4, 1-7, 2-4 and 2-7 (wk-d)	Weighed 1×wk for 13wk

TABLE 1 EXPERIMENTAL DESIGN AND MATERIALS AND METHODS IN THE FEED STUDIES OF BIPHENYL (Continued)

Two-Week Studies	Thirteen-Week Studies
<Hematology>	
None	Red blood cell (RBC), Hemoglobin, Hematocrit, Mean corpuscular volume (MCV), Mean corpuscular hemoglobin (MCH), Mean corpuscular hemoglobin concentration (MCHC), Platelet, White blood cell (WBC), Diffrential WBC.
<Blood Biochemistry>	
None	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.
<Urinalysis>	
None	pH, Protein, Glucose, Ketone body, Bilirubin<rat only>, Occult blood, Urobilinogen.
<Necropsy>	
Necropsy performed on all animals.	Same as two-week studies
<Organ Weight>	
None	Organ weight measurement performed on schedule sacrificed animals. The following organs were weighed: brain, lung, liver, spleen, heart, kidney, adrenal, testis, ovary, thymus.
<Histopathologic Examination>	
Histopathologic examination performed on at least two animals per sex per group.	Histopathologic examination perfermed on all animals.
The following organs were examind: nasal cavity, trachea, lung, bone marrow, lymph node, thymus, spleen, heart, stomach, small intestine, large intestine, liver, pancreas, kidney, pituitary, adrenal, testis, ovary, brain, muscle.	The following organs were examined: skin, nasal cavity, trachea, lung, bone marrow, lymph node, thymus, spleen, heart, tongue, salivary gland, esophagus, stomach, small intestine, large intestine, liver, pancreas, kidney, urin bladd, pituitary, thyroid, adrenal, testis, epididymis, seminal vesicl, prostate, ovary, uterus, vagina, mammary gland, brain, spinal cord, peripheral nerve, eye, Harderian gland, muscle, bone.

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

Week-Day on Study	Control Av.Wt.	Control No.of Surviv. <10>	2500 ppm Av.Wt.	2500 ppm % of cont. <10>	2500 ppm No.of Surviv.	5000 ppm Av.Wt.	5000 ppm % of cont. <10>	5000 ppm No.of Surviv.	10000 ppm Av.Wt.	10000 ppm % of cont. <10>	10000 ppm No.of Surviv.	20000 ppm Av.Wt.	20000 ppm % of cont. <10>	20000 ppm No.of Surviv.	40000 ppm Av.Wt.	40000 ppm % of cont. <10>	40000 ppm No.of Surviv.
0-0	125 (10)	10/10	125 (10)	100	10/10	125 (10)	100	10/10	125 (10)	100	10/10	125 (10)	100	10/10	125 (10)	100	10/10
1-1	130 (10)	10/10	125 (10)	96	10/10	125 (10)	96	10/10	116 (10)	89	10/10	111 (10)	85	10/10	109 (10)	84	10/10
1-2	136 (10)	10/10	135 (10)	99	10/10	133 (10)	98	10/10	118 (10)	87	10/10	108 (10)	79	10/10	104 (10)	76	10/10
1-4	147 (10)	10/10	146 (10)	99	10/10	143 (10)	97	10/10	131 (10)	89	10/10	113 (10)	77	10/10	93 (10)	63	10/10
1-7	162 (10)	10/10	161 (10)	99	10/10	159 (10)	98	10/10	146 (10)	90	10/10	126 (10)	78	10/10	93 (10)	57	10/10
2-4	183 (10)	10/10	179 (10)	98	10/10	178 (10)	97	10/10	161 (10)	88	10/10	140 (10)	77	10/10	97 (10)	53	10/10
2-7	199 (10)	10/10	194 (10)	97	10/10	192 (10)	96	10/10	175 (10)	88	10/10	151 (10)	76	10/10	102 (10)	51	10/10

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

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

Week-Day on Study	Control Av.Wt.	Control No.of Surviv. <10>	2500 ppm Av.Wt.	2500 ppm % of cont. <10>	2500 ppm No.of Surviv.	5000 ppm Av.Wt.	5000 ppm % of cont. <10>	5000 ppm No.of Surviv.	10000 ppm Av.Wt.	10000 ppm % of cont. <10>	10000 ppm No.of Surviv.	20000 ppm Av.Wt.	20000 ppm % of cont. <10>	20000 ppm No.of Surviv.	40000 ppm Av.Wt.	40000 ppm % of cont. <10>	40000 ppm No.of Surviv.
0-0	103 (10)	10/10	103 (10)	100	10/10	103 (10)	100	10/10	103 (10)	100	10/10	103 (10)	100	10/10	103 (10)	100	10/10
1-1	106 (10)	10/10	105 (10)	99	10/10	100 (10)	94	10/10	94 (10)	89	10/10	93 (10)	88	10/10	90 (10)	85	10/10
1-2	109 (10)	10/10	108 (10)	99	10/10	104 (10)	95	10/10	96 (10)	88	10/10	91 (10)	83	10/10	85 (10)	78	10/10
1-4	113 (10)	10/10	112 (10)	99	10/10	110 (10)	97	10/10	103 (10)	91	10/10	94 (10)	83	10/10	81 (10)	72	10/10
1-7	121 (10)	10/10	121 (10)	100	10/10	116 (10)	96	10/10	111 (10)	92	10/10	101 (10)	83	10/10	80 (10)	66	10/10
2-4	126 (10)	10/10	125 (10)	99	10/10	122 (10)	97	10/10	118 (10)	94	10/10	110 (10)	87	10/10	84 (10)	67	10/10
2-7	135 (10)	10/10	133 (10)	99	10/10	130 (10)	96	10/10	124 (10)	92	10/10	117 (10)	87	10/10	88 (10)	65	10/10

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

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

Week-Day on Study	Control Av.FC.	Control No.of Surviv. <10>	2500 ppm Av.FC.	2500 ppm % of cont. <10>	2500 ppm No.of Surviv.	5000 ppm Av.FC.	5000 ppm % of cont. <10>	5000 ppm No.of Surviv.	10000 ppm Av.FC.	10000 ppm % of cont. <10>	10000 ppm No.of Surviv.	20000 ppm Av.FC.	20000 ppm % of cont. <10>	20000 ppm No.of Surviv.	40000 ppm Av.FC.	40000 ppm % of cont. <10>	40000 ppm No.of Surviv.
1-4	14.3 (10)	10/10	13.6 (10)	95	10/10	12.3 (10)	86	10/10	10.0 (10)	70	10/10	6.2 (10)	43	10/10	5.6 (10)	39	10/10
1-7	15.0 (10)	10/10	14.9 (10)	99	10/10	14.3 (10)	95	10/10	13.3 (10)	89	10/10	11.0 (10)	73	10/10	7.1 (10)	47	10/10
2-4	14.6 (10)	10/10	13.9 (10)	95	10/10	13.6 (10)	93	10/10	13.0 (10)	89	10/10	11.7 (10)	80	10/10	7.0 (10)	48	10/10
2-7	16.2 (10)	10/10	15.9 (10)	98	10/10	15.6 (10)	96	10/10	14.7 (10)	91	10/10	13.0 (10)	80	10/10	8.6 (10)	53	10/10

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

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

Week-Day on Study	Control Av.FC.	Control No.of Surviv. <10>	2500 ppm Av.FC.	2500 ppm % of cont. <10>	2500 ppm No.of Surviv.	5000 ppm Av.FC.	5000 ppm % of cont. <10>	5000 ppm No.of Surviv.	10000 ppm Av.FC.	10000 ppm % of cont. <10>	10000 ppm No.of Surviv.	20000 ppm Av.FC.	20000 ppm % of cont. <10>	20000 ppm No.of Surviv.	40000 ppm Av.FC.	40000 ppm % of cont. <10>	40000 ppm No.of Surviv.
1-4	11.2 (10)	10/10	10.7 (10)	96	10/10	9.5 (10)	85	10/10	7.0 (10)	63	10/10	4.9 (10)	44	10/10	4.2 (10)	38	10/10
1-7	11.3 (10)	10/10	11.2 (10)	99	10/10	10.6 (10)	94	10/10	10.3 (10)	91	10/10	9.2 (10)	81	10/10	8.3 (10)	73	10/10
2-4	10.1 (10)	10/10	9.6 (10)	95	10/10	9.5 (10)	94	10/10	9.5 (10)	94	10/10	9.1 (10)	90	10/10	8.6 (10)	85	10/10
2-7	11.5 (10)	10/10	11.5 (10)	100	10/10	11.3 (10)	98	10/10	11.2 (10)	97	10/10	10.1 (10)	88	10/10	7.9 (10)	69	10/10

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

(Study No.0185,0186)

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

Week-Day on Study	Control Av.Wt.	Control No.of Surviv. <10>	1000 ppm Av.Wt.	1000 ppm % of cont. <10>	1000 ppm No.of Surviv.	2000 ppm Av.Wt.	2000 ppm % of cont. <10>	2000 ppm No.of Surviv.	4000 ppm Av.Wt.	4000 ppm % of cont. <10>	4000 ppm No.of Surviv.	8000 ppm Av.Wt.	8000 ppm % of cont. <10>	8000 ppm No.of Surviv.	16000 ppm Av.Wt.	16000 ppm % of cont. <10>	16000 ppm No.of Surviv.
0-0	125 (10)	10/10	125 (10)	100	10/10	125 (10)	100	10/10	125 (10)	100	10/10	125 (10)	100	10/10	125 (10)	100	10/10
1-7	153 (10)	10/10	152 (10)	99	10/10	151 (10)	99	10/10	148 (10)	97	10/10	142 (10)	93	10/10	127 (10)	83	10/10
2-7	182 (10)	10/10	181 (10)	99	10/10	180 (10)	99	10/10	175 (10)	96	10/10	169 (10)	93	10/10	147 (10)	81	10/10
3-7	208 (10)	10/10	207 (10)	100	10/10	206 (10)	99	10/10	198 (10)	95	10/10	191 (10)	92	10/10	164 (10)	79	10/10
4-7	227 (10)	10/10	227 (10)	100	10/10	224 (10)	99	10/10	218 (10)	96	10/10	210 (10)	93	10/10	181 (10)	80	10/10
5-7	246 (10)	10/10	247 (10)	100	10/10	243 (10)	99	10/10	234 (10)	95	10/10	229 (10)	93	10/10	195 (10)	79	10/10
6-7	264 (10)	10/10	265 (10)	100	10/10	259 (10)	98	10/10	249 (10)	94	10/10	243 (10)	92	10/10	211 (10)	80	10/10
7-7	275 (10)	10/10	277 (10)	101	10/10	269 (10)	98	10/10	256 (10)	93	10/10	247 (10)	90	10/10	221 (10)	80	10/10
8-7	287 (10)	10/10	289 (10)	101	10/10	282 (10)	98	10/10	270 (10)	94	10/10	262 (10)	91	10/10	231 (10)	80	10/10
9-7	301 (10)	10/10	300 (10)	100	10/10	294 (10)	98	10/10	279 (10)	93	10/10	274 (10)	91	10/10	242 (10)	80	10/10
10-7	313 (10)	10/10	313 (10)	100	10/10	303 (10)	97	10/10	288 (10)	92	10/10	285 (10)	91	10/10	252 (10)	81	10/10
11-7	321 (10)	10/10	322 (10)	100	10/10	313 (10)	98	10/10	294 (10)	92	10/10	291 (10)	91	10/10	257 (10)	80	10/10
12-7	328 (10)	10/10	331 (10)	101	10/10	319 (10)	97	10/10	302 (10)	92	10/10	298 (10)	91	10/10	264 (10)	80	10/10
13-7	335 (10)	10/10	340 (10)	101	10/10	326 (10)	97	10/10	308 (10)	92	10/10	304 (10)	91	10/10	270 (10)	81	10/10

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

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

Week-Day on Study	Control Av.Wt.	Control No.of Surviv. <10>	1000 ppm Av.Wt.	1000 ppm % of cont. <10>	1000 ppm No.of Surviv.	2000 ppm Av.Wt.	2000 ppm % of cont. <10>	2000 ppm No.of Surviv.	4000 ppm Av.Wt.	4000 ppm % of cont. <10>	4000 ppm No.of Surviv.	8000 ppm Av.Wt.	8000 ppm % of cont. <10>	8000 ppm No.of Surviv.	16000 ppm Av.Wt.	16000 ppm % of cont. <10>	16000 ppm No.of Surviv.
0-0	103 (10)	10/10	103 (10)	100	10/10	103 (10)	100	10/10	103 (10)	100	10/10	104 (10)	101	10/10	103 (10)	100	10/10
1-7	118 (10)	10/10	117 (10)	99	10/10	117 (10)	99	10/10	113 (10)	96	10/10	110 (10)	93	10/10	103 (10)	87	10/10
2-7	130 (10)	10/10	129 (10)	99	10/10	129 (10)	99	10/10	125 (10)	96	10/10	122 (10)	94	10/10	115 (10)	88	10/10
3-7	141 (10)	10/10	138 (10)	98	10/10	137 (10)	97	10/10	132 (10)	94	10/10	130 (10)	92	10/10	123 (10)	87	10/10
4-7	148 (10)	10/10	143 (10)	97	10/10	144 (10)	97	10/10	140 (10)	95	10/10	137 (10)	93	10/10	130 (10)	88	10/10
5-7	157 (10)	10/10	151 (10)	96	10/10	152 (10)	97	10/10	148 (10)	94	10/10	144 (10)	92	10/10	137 (10)	87	10/10
6-7	166 (10)	10/10	160 (10)	96	10/10	160 (10)	96	10/10	156 (10)	94	10/10	151 (10)	91	10/10	143 (10)	86	10/10
7-7	169 (10)	10/10	162 (10)	96	10/10	162 (10)	96	10/10	157 (10)	93	10/10	152 (10)	90	10/10	147 (10)	87	10/10
8-7	174 (10)	10/10	168 (10)	97	10/10	168 (10)	97	10/10	162 (10)	93	10/10	157 (10)	90	10/10	150 (10)	86	10/10
9-7	180 (10)	10/10	174 (10)	97	10/10	173 (10)	96	10/10	167 (10)	93	10/10	160 (10)	89	10/10	154 (10)	86	10/10
10-7	184 (10)	10/10	179 (10)	97	10/10	177 (10)	96	10/10	172 (10)	93	10/10	164 (10)	89	10/10	158 (10)	86	10/10
11-7	188 (10)	10/10	183 (10)	97	10/10	182 (10)	97	10/10	175 (10)	93	10/10	165 (10)	88	10/10	160 (10)	85	10/10
12-7	189 (10)	10/10	185 (10)	98	10/10	180 (10)	95	10/10	172 (10)	91	10/10	169 (10)	89	10/10	163 (10)	86	10/10
13-7	192 (10)	10/10	187 (10)	97	10/10	189 (10)	98	10/10	179 (10)	93	10/10	172 (10)	90	10/10	166 (10)	86	10/10

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

(Study No.0185, 0186)

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

Week-Day on Study	Control Av.FC.	Control No.of Surviv. <10>	1000 ppm Av.FC.	1000 ppm % of cont. <10>	1000 ppm No.of Surviv.	2000 ppm Av.FC.	2000 ppm % of cont. <10>	2000 ppm No.of Surviv.	4000 ppm Av.FC.	4000 ppm % of cont. <10>	4000 ppm No.of Surviv.	8000 ppm Av.FC.	8000 ppm % of cont. <10>	8000 ppm No.of Surviv.	16000 ppm Av.FC.	16000 ppm % of cont. <10>	16000 ppm No.of Surviv.
1-7	13.4 (10)	10/10	13.1 (10)	98	10/10	12.8 (10)	96	10/10	12.2 (10)	91	10/10	11.1 (10)	83	10/10	8.6 (10)	64	10/10
2-7	14.4 (10)	10/10	14.4 (10)	100	10/10	14.1 (10)	98	10/10	13.9 (10)	97	10/10	13.6 (10)	94	10/10	12.3 (10)	85	10/10
3-7	15.5 (10)	10/10	15.3 (10)	99	10/10	15.2 (10)	98	10/10	14.4 (10)	93	10/10	14.3 (9)	92	10/10	12.6 (10)	81	10/10
4-7	15.4 (10)	10/10	15.3 (10)	99	10/10	15.1 (10)	98	10/10	14.3 (9)	93	10/10	14.4 (9)	94	10/10	12.7 (10)	82	10/10
5-7	15.8 (10)	10/10	15.8 (10)	100	10/10	15.6 (10)	99	10/10	14.7 (10)	93	10/10	14.6 (10)	92	10/10	12.7 (10)	80	10/10
6-7	15.4 (10)	10/10	15.6 (10)	101	10/10	15.2 (9)	99	10/10	14.3 (10)	93	10/10	14.2 (10)	92	10/10	12.8 (10)	83	10/10
7-7	15.5 (10)	10/10	15.5 (10)	100	10/10	15.1 (10)	97	10/10	14.4 (10)	93	10/10	14.3 (10)	92	10/10	12.9 (10)	83	10/10
8-7	15.6 (9)	10/10	16.2 (10)	104	10/10	15.9 (10)	102	10/10	15.2 (10)	97	10/10	14.9 (10)	96	10/10	13.5 (10)	87	10/10
9-7	16.1 (10)	10/10	15.9 (10)	99	10/10	15.6 (10)	97	10/10	15.0 (10)	93	10/10	15.2 (10)	94	10/10	14.0 (10)	87	10/10
10-7	15.9 (10)	10/10	16.4 (10)	103	10/10	14.5 (10)	91	10/10	15.1 (10)	95	10/10	15.5 (10)	97	10/10	14.5 (10)	91	10/10
11-7	15.6 (10)	10/10	15.7 (10)	101	10/10	15.7 (10)	101	10/10	14.6 (10)	94	10/10	14.9 (10)	96	10/10	13.8 (10)	88	10/10
12-7	15.1 (10)	10/10	15.5 (10)	103	10/10	15.2 (10)	101	10/10	14.9 (10)	99	10/10	15.1 (10)	100	10/10	14.1 (10)	93	10/10
13-7	15.4 (10)	10/10	15.7 (10)	102	10/10	15.1 (10)	98	10/10	14.7 (10)	95	10/10	15.0 (10)	97	10/10	14.0 (10)	91	10/10

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

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

Week-Day on Study	Control Av.FC.	Control No.of Surviv. <10>	1000 ppm Av.FC.	1000 ppm % of cont. <10>	1000 ppm No.of Surviv.	2000 ppm Av.FC.	2000 ppm % of cont. <10>	2000 ppm No.of Surviv.	4000 ppm Av.FC.	4000 ppm % of cont. <10>	4000 ppm No.of Surviv.	8000 ppm Av.FC.	8000 ppm % of cont. <10>	8000 ppm No.of Surviv.	16000 ppm Av.FC.	16000 ppm % of cont. <10>	16000 ppm No.of Surviv.
1-7	11.2 (10)	10/10	10.7 (10)	96	10/10	12.7 (10)	113	10/10	9.9 (10)	88	10/10	9.7 (10)	87	10/10	8.4 (10)	75	10/10
2-7	11.3 (10)	10/10	11.1 (10)	98	10/10	11.1 (10)	98	10/10	10.4 (10)	92	10/10	10.1 (10)	89	10/10	9.8 (10)	87	10/10
3-7	11.7 (10)	10/10	11.5 (10)	98	10/10	11.1 (10)	95	10/10	10.2 (10)	87	10/10	10.0 (10)	85	10/10	9.6 (10)	82	10/10
4-7	11.1 (10)	10/10	10.4 (10)	94	10/10	10.7 (10)	96	10/10	10.3 (10)	93	10/10	10.0 (10)	90	10/10	9.5 (10)	86	10/10
5-7	11.8 (10)	10/10	10.7 (10)	91	10/10	11.3 (10)	96	10/10	10.7 (10)	91	10/10	10.0 (10)	85	10/10	9.3 (10)	79	10/10
6-7	10.9 (10)	10/10	10.7 (10)	98	10/10	11.6 (10)	106	10/10	10.3 (10)	94	10/10	9.9 (10)	91	10/10	9.6 (10)	88	10/10
7-7	11.2 (10)	10/10	10.6 (10)	95	10/10	11.4 (10)	102	10/10	10.2 (10)	91	10/10	9.7 (10)	87	10/10	9.5 (10)	85	10/10
8-7	11.4 (10)	10/10	11.2 (10)	98	10/10	11.3 (9)	99	10/10	10.9 (10)	96	10/10	10.2 (10)	89	10/10	10.1 (10)	89	10/10
9-7	11.5 (10)	10/10	11.4 (10)	99	10/10	12.7 (10)	110	10/10	11.0 (10)	96	10/10	10.6 (10)	92	10/10	10.1 (10)	88	10/10
10-7	11.7 (10)	10/10	11.3 (10)	97	10/10	11.4 (10)	97	10/10	11.3 (10)	97	10/10	10.2 (10)	87	10/10	10.6 (10)	91	10/10
11-7	11.8 (10)	10/10	11.3 (10)	96	10/10	12.7 (10)	108	10/10	10.6 (10)	90	10/10	9.5 (10)	81	10/10	10.5 (10)	89	10/10
12-7	11.1 (10)	10/10	10.8 (10)	97	10/10	11.5 (10)	104	10/10	11.0 (10)	99	10/10	10.2 (10)	92	10/10	11.5 (10)	104	10/10
13-7	11.5 (10)	10/10	11.1 (10)	97	10/10	12.6 (10)	110	10/10	11.0 (10)	96	10/10	10.0 (10)	87	10/10	10.3 (10)	90	10/10

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

(Study No. 0185, 0186)

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

Week-Day on Study	Control Av.Wt.	Control No.of Surviv. <10>	1250 ppm Av.Wt.	1250 ppm % of cont. <10>	1250 ppm No.of Surviv.	2500 ppm Av.Wt.	2500 ppm % of cont. <10>	2500 ppm No.of Surviv.	5000 ppm Av.Wt.	5000 ppm % of cont. <10>	5000 ppm No.of Surviv.	10000 ppm Av.Wt.	10000 ppm % of cont. <10>	10000 ppm No.of Surviv.	20000 ppm Av.Wt.	20000 ppm % of cont. <10>	20000 ppm No.of Surviv.
0-0	22.9 (10)	10/10	22.9 (10)	100	10/10	22.8 (10)	100	10/10	22.9 (10)	100	10/10	22.9 (10)	100	10/10	22.9 (10)	100	10/10
1-1	22.5 (10)	10/10	22.2 (10)	99	10/10	22.2 (10)	99	10/10	21.1 (10)	94	10/10	19.5 (10)	87	10/10	19.4 (10)	86	10/10
1-2	22.8 (10)	10/10	22.8 (10)	100	10/10	22.5 (10)	99	10/10	21.2 (10)	93	10/10	18.2 (10)	80	10/10	17.7 (10)	78	10/10
1-4	22.8 (10)	10/10	23.0 (10)	101	10/10	22.8 (10)	100	10/10	21.8 (10)	96	10/10	17.0 (10)	75	10/10	15.8 (9)	69	9/10
1-7	23.1 (10)	10/10	23.4 (10)	101	10/10	23.2 (10)	100	10/10	22.4 (10)	97	10/10	17.5 (9)	76	9/10	15.1 (4)	65	4/10
2-4	24.7 (10)	10/10	24.7 (10)	100	10/10	24.4 (10)	99	10/10	24.0 (10)	97	10/10	20.1 (9)	81	9/10	16.9 (3)	68	3/10
2-7	24.2 (10)	10/10	24.5 (10)	101	10/10	24.3 (10)	100	10/10	24.0 (10)	99	10/10	21.3 (9)	88	9/10	18.2 (3)	75	3/10

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

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

Week-Day on Study	Control Av.Wt.	Control No.of Surviv. <10>	1250 ppm Av.Wt.	1250 ppm % of cont. <10>	1250 ppm No.of Surviv.	2500 ppm Av.Wt.	2500 ppm % of cont. <10>	2500 ppm No.of Surviv.	5000 ppm Av.Wt.	5000 ppm % of cont. <10>	5000 ppm No.of Surviv.	10000 ppm Av.Wt.	10000 ppm % of cont. <10>	10000 ppm No.of Surviv.	20000 ppm Av.Wt.	20000 ppm % of cont. <10>	20000 ppm No.of Surviv.
0-0	18.8 (10)	10/10	18.9 (10)	101	10/10	18.9 (10)	101	10/10	18.8 (10)	100	10/10	18.9 (10)	101	10/10	18.8 (10)	100	10/10
1-1	18.4 (10)	10/10	18.2 (10)	99	10/10	18.2 (10)	99	10/10	17.3 (10)	94	10/10	15.9 (10)	86	10/10	15.4 (10)	84	10/10
1-2	18.5 (10)	10/10	18.4 (10)	99	10/10	18.2 (10)	98	10/10	17.5 (10)	95	10/10	14.8 (10)	80	10/10	13.8 (10)	75	10/10
1-4	18.4 (10)	10/10	18.6 (10)	101	10/10	18.5 (10)	101	10/10	17.9 (10)	97	10/10	14.1 (10)	77	10/10	12.5 (9)	68	9/10
1-7	18.8 (10)	10/10	18.8 (10)	100	10/10	18.4 (10)	98	10/10	18.6 (10)	99	10/10	15.4 (9)	82	9/10	12.8 (6)	68	6/10
2-4	20.0 (10)	10/10	19.9 (10)	100	10/10	19.6 (10)	98	10/10	19.4 (10)	97	10/10	17.4 (9)	87	9/10	15.2 (4)	76	4/10
2-7	19.8 (10)	10/10	19.9 (10)	101	10/10	19.6 (10)	99	10/10	19.4 (10)	98	10/10	18.3 (9)	92	9/10	16.6 (4)	84	4/10

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

(Study No.0185, 0186)

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

Week-Day on Study	Control Av.FC.	Control No.of Surviv. <10>	1250 ppm Av.FC.	1250 ppm % of cont. <10>	1250 ppm No.of Surviv.	2500 ppm Av.FC.	2500 ppm % of cont. <10>	2500 ppm No.of Surviv.	5000 ppm Av.FC.	5000 ppm % of cont. <10>	5000 ppm No.of Surviv.	10000 ppm Av.FC.	10000 ppm % of cont. <10>	10000 ppm No.of Surviv.	20000 ppm Av.FC.	20000 ppm % of cont. <10>	20000 ppm No.of Surviv.
1-4	4.5 (10)	10/10	4.6 (10)	102	10/10	4.5 (10)	100	10/10	4.8 (10)	107	10/10	3.5 (10)	78	9/10	2.7 (10)	60	4/10
1-7	4.7 (10)	10/10	4.6 (10)	98	10/10	4.9 (10)	104	10/10	5.8 (10)	123	10/10	5.9 (10)	126	9/10	3.7 (9)	79	4/10
2-4	4.7 (10)	10/10	4.5 (10)	96	10/10	4.5 (10)	96	10/10	5.0 (10)	106	10/10	7.8 (9)	166	9/10	6.1 (3)	130	3/10
2-7	4.3 (10)	10/10	4.6 (10)	107	10/10	4.6 (10)	107	10/10	4.9 (10)	114	10/10	7.3 (9)	170	9/10	6.9 (3)	160	3/10

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

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

Week-Day on Study	Control Av.FC.	Control No.of Surviv. <10>	1250 ppm Av.FC.	1250 ppm % of cont. <10>	1250 ppm No.of Surviv.	2500 ppm Av.FC.	2500 ppm % of cont. <10>	2500 ppm No.of Surviv.	5000 ppm Av.FC.	5000 ppm % of cont. <10>	5000 ppm No.of Surviv.	10000 ppm Av.FC.	10000 ppm % of cont. <10>	10000 ppm No.of Surviv.	20000 ppm Av.FC.	20000 ppm % of cont. <10>	20000 ppm No.of Surviv.
1-4	4.3 (10)	10/10	4.4 (10)	102	10/10	4.2 (10)	98	10/10	5.6 (10)	130	10/10	3.6 (10)	84	9/10	2.1 (10)	49	6/10
1-7	4.6 (10)	10/10	4.7 (10)	102	10/10	4.7 (10)	102	10/10	6.0 (10)	130	10/10	7.6 (10)	165	9/10	3.4 (9)	74	6/10
2-4	4.2 (10)	10/10	4.4 (10)	105	10/10	4.1 (10)	98	10/10	4.4 (10)	105	10/10	6.8 (9)	162	9/10	5.5 (5)	131	4/10
2-7	4.2 (10)	10/10	4.5 (10)	107	10/10	4.6 (10)	110	10/10	4.4 (10)	105	10/10	5.7 (9)	136	9/10	6.4 (4)	152	4/10

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

(Study No.0185,0186)

TABLE 14 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES IN MALE MOUSE (THIRTEEN-WEEK STUDIES)

Week on Study	Control Av.Wt.	Control No.of Surviv. <10>	500 ppm Av.Wt.	500 ppm % of cont. <10>	500 ppm No.of Surviv.	2000 ppm Av.Wt.	2000 ppm % of cont. <10>	2000 ppm No.of Surviv.	4000 ppm Av.Wt.	4000 ppm % of cont. <10>	4000 ppm No.of Surviv.	8000 ppm Av.Wt.	8000 ppm % of cont. < 9>	8000 ppm No.of Surviv.	10000 ppm Av.Wt.	10000 ppm % of cont. <10>	10000 ppm No.of Surviv.	16000 ppm Av.Wt.	16000 ppm % of cont. <10>	16000 ppm No.of Surviv.
0	23.3 (10)	10/10	23.3 (10)	100	10/10	23.3 (10)	100	10/10	23.3 (10)	100	10/10	23.4 (9)	100	10/10	23.3 (10)	100	10/10	23.3 (10)	100	10/10
1	23.0 (10)	10/10	24.1 (10)	101	10/10	23.6 (10)	99	10/10	22.9 (10)	96	10/10	22.8 (9)	95	10/10	23.2 (10)	97	10/10	22.5 (10)	94	10/10
2	25.0 (10)	10/10	25.6 (10)	102	10/10	25.2 (10)	101	10/10	24.6 (10)	98	10/10	21.7 (9)	87	10/10	21.9 (10)	88	10/10	22.1 (10)	88	10/10
3	25.8 (10)	10/10	26.1 (10)	101	10/10	25.9 (10)	100	10/10	25.2 (10)	97	10/10	22.7 (9)	88	10/10	22.7 (10)	88	10/10	20.0 (10)	77	10/10
4	26.8 (10)	10/10	27.2 (10)	101	10/10	26.7 (10)	100	10/10	25.9 (10)	97	10/10	23.8 (9)	89	10/10	24.1 (10)	90	10/10	21.8 (10)	81	10/10
5	27.6 (10)	10/10	28.0 (10)	101	10/10	27.6 (10)	100	10/10	26.6 (10)	96	10/10	24.4 (9)	88	10/10	25.5 (10)	92	10/10	22.7 (10)	82	10/10
6	28.2 (10)	10/10	28.4 (10)	101	10/10	28.0 (10)	99	10/10	27.2 (10)	96	10/10	24.8 (9)	88	10/10	24.9 (10)	88	10/10	23.0 (10)	82	10/10
7	28.2 (10)	10/10	28.7 (10)	102	10/10	28.1 (10)	100	10/10	27.0 (10)	96	10/10	24.6 (9)	87	10/10	24.1 (10)	85	10/10	22.7 (10)	80	10/10
8	26.2 (10)	10/10	25.4 (10)	97	10/10	25.5 (10)	97	10/10	24.0 (10)	92	10/10	21.8 (9)	83	10/10	22.1 (10)	84	10/10	20.5 (10)	78	10/10
9	28.0 (10)	10/10	28.7 (10)	102	10/10	28.2 (10)	101	10/10	27.8 (10)	96	10/10	25.4 (9)	88	10/10	25.7 (10)	89	10/10	22.8 (10)	79	10/10
10	26.7 (10)	10/10	26.6 (10)	100	10/10	25.8 (10)	97	10/10	25.1 (10)	94	10/10	24.0 (9)	90	10/10	23.5 (10)	88	10/10	21.1 (10)	79	10/10
11	30.2 (10)	10/10	30.0 (10)	99	10/10	30.0 (10)	99	10/10	28.1 (10)	93	10/10	25.7 (9)	85	10/10	27.6 (10)	91	10/10	23.8 (10)	79	10/10
12	31.1 (10)	10/10	30.9 (10)	99	10/10	30.8 (10)	99	10/10	29.0 (10)	93	10/10	26.6 (.9)	86	10/10	27.0 (10)	87	10/10	24.1 (10)	77	10/10
13	32.5 (10)	10/10	31.5 (10)	97	10/10	31.4 (10)	97	10/10	29.5 (10)	91	10/10	27.1 (9)	83	9/ 9	27.6 (10)	85	10/10	24.4 (10)	75	10/10

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

TABLE 15 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES IN FEMALE MOUSE (THIRTEEN-WEEK STUDIES)

Week on Study	Control Av.Wt.	Control No.of Surviv. <10>	500 ppm Av.Wt.	500 ppm % of cont. <10>	500 ppm No.of Surviv.	2000 ppm Av.Wt.	2000 ppm % of cont. <10>	2000 ppm No.of Surviv.	4000 ppm Av.Wt.	4000 ppm % of cont. <10>	4000 ppm No.of Surviv.	8000 ppm Av.Wt.	8000 ppm % of cont. <10>	8000 ppm No.of Surviv.	10000 ppm Av.Wt.	10000 ppm % of cont. <10>	10000 ppm No.of Surviv.	16000 ppm Av.Wt.	16000 ppm % of cont. <10>	16000 ppm No.of Surviv.
0	18.8 (10)	10/10	18.8 (10)	100	10/10	18.8 (10)	100	10/10	18.8 (10)	100	10/10	18.8 (10)	100	10/10	18.8 (10)	100	10/10	18.8 (10)	100	10/10
1	18.9 (10)	10/10	19.0 (10)	101	10/10	18.7 (10)	99	10/10	18.5 (10)	98	10/10	18.7 (10)	99	10/10	18.3 (10)	97	10/10	18.1 (10)	96	10/10
2	19.7 (10)	10/10	19.8 (10)	101	10/10	19.8 (10)	101	10/10	19.6 (10)	99	10/10	18.7 (10)	95	10/10	16.8 (10)	85	10/10	17.4 (10)	88	10/10
3	20.0 (10)	10/10	20.1 (10)	101	10/10	19.6 (10)	98	10/10	19.6 (10)	98	10/10	19.6 (10)	98	10/10	17.5 (10)	88	10/10	15.6 (9)	78	9/10
4	20.7 (10)	10/10	21.1 (10)	102	10/10	20.6 (10)	100	10/10	20.4 (10)	99	10/10	20.1 (10)	97	10/10	19.2 (10)	93	10/10	17.2 (9)	83	9/10
5	20.9 (10)	10/10	21.3 (10)	102	10/10	20.9 (10)	100	10/10	20.5 (10)	98	10/10	20.4 (10)	98	10/10	19.9 (10)	95	10/10	18.6 (9)	89	9/10
6	21.9 (10)	10/10	21.9 (10)	100	10/10	21.7 (10)	99	10/10	21.6 (10)	99	10/10	21.0 (10)	96	10/10	18.8 (10)	86	10/10	18.6 (9)	85	9/10
7	22.0 (10)	10/10	22.3 (10)	101	10/10	22.4 (10)	102	10/10	22.2 (10)	101	10/10	21.0 (10)	95	10/10	19.8 (10)	90	10/10	18.7 (9)	85	9/10
8	20.2 (10)	10/10	18.0 (10)	89	10/10	18.3 (10)	91	10/10	18.8 (10)	93	10/10	18.2 (10)	90	10/10	18.3 (10)	91	10/10	17.5 (9)	87	9/10
9	22.9 (10)	10/10	23.7 (10)	103	10/10	23.5 (10)	103	10/10	23.0 (10)	100	10/10	22.1 (10)	97	10/10	21.1 (10)	92	10/10	19.0 (9)	83	9/10
10	20.4 (10)	10/10	20.0 (10)	98	10/10	20.6 (10)	101	10/10	19.7 (10)	97	10/10	19.9 (10)	98	10/10	19.4 (10)	95	10/10	18.4 (9)	90	9/10
11	23.5 (10)	10/10	23.5 (10)	100	10/10	23.5 (10)	100	10/10	22.9 (10)	97	10/10	22.1 (10)	94	10/10	21.5 (10)	91	10/10	20.1 (9)	86	9/10
12	23.6 (10)	10/10	23.6 (10)	100	10/10	23.4 (10)	99	10/10	22.9 (10)	97	10/10	22.3 (10)	94	10/10	21.1 (10)	89	10/10	20.3 (9)	86	9/10
13	23.9 (10)	10/10	24.2 (10)	101	10/10	24.3 (10)	102	10/10	23.3 (10)	97	10/10	22.4 (10)	94	10/10	21.9 (10)	92	10/10	20.5 (9)	86	9/10

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

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

Week-Day on Study	Control Av.FC.	Control No.of Surviv. <10>	500 ppm Av.FC.	500 ppm % of cont. <10>	500 ppm No.of Surviv.	2000 ppm Av.FC.	2000 ppm % of cont. <10>	2000 ppm No.of Surviv.	4000 ppm Av.FC.	4000 ppm % of cont. <10>	4000 ppm No.of Surviv.	8000 ppm Av.FC.	8000 ppm % of cont. < 9>	8000 ppm No.of Surviv.	10000 ppm Av.FC.	10000 ppm % of cont. <10>	10000 ppm No.of Surviv.	16000 ppm Av.FC.	16000 ppm % of cont. <10>	16000 ppm No.of Surviv.
1-7	6.0 (10)	10/10	5.1 (10)	85	10/10	5.0 (10)	83	10/10	5.2 (10)	87	10/10	5.0 (9)	83	10/10	4.9 (10)	82	10/10	5.1 (10)	85	10/10
2-7	5.0 (10)	10/10	5.0 (10)	100	10/10	5.0 (10)	100	10/10	5.0 (10)	100	10/10	5.3 (9)	106	10/10	5.7 (10)	114	10/10	5.4 (10)	108	10/10
3-7	5.1 (10)	10/10	5.0 (10)	98	10/10	5.0 (10)	98	10/10	5.0 (10)	98	10/10	5.4 (9)	106	10/10	5.7 (10)	112	10/10	5.5 (10)	108	10/10
4-7	5.1 (10)	10/10	5.1 (10)	100	10/10	4.8 (10)	94	10/10	4.8 (10)	94	10/10	5.0 (9)	98	10/10	5.0 (10)	98	10/10	5.5 (10)	108	10/10
5-7	5.5 (10)	10/10	6.0 (10)	109	10/10	5.7 (10)	104	10/10	5.8 (10)	105	10/10	6.5 (9)	118	10/10	6.3 (10)	115	10/10	6.2 (9)	113	10/10
6-7	5.1 (10)	10/10	4.9 (10)	96	10/10	5.2 (10)	102	10/10	5.3 (10)	104	10/10	5.6 (9)	110	10/10	5.6 (10)	110	10/10	5.7 (10)	112	10/10
7-7	4.6 (10)	10/10	5.1 (10)	111	10/10	5.2 (10)	113	10/10	4.9 (10)	107	10/10	5.0 (9)	109	10/10	4.6 (10)	100	10/10	5.5 (9)	120	10/10
8-7	4.3 (10)	10/10	4.0 (10)	93	10/10	4.5 (10)	105	10/10	4.0 (10)	93	10/10	4.1 (9)	95	10/10	4.5 (10)	105	10/10	4.6 (10)	107	10/10
9-7	5.0 (10)	10/10	5.8 (10)	118	10/10	5.5 (10)	110	10/10	5.5 (10)	110	10/10	6.2 (9)	124	10/10	6.1 (10)	122	10/10	5.7 (10)	114	10/10
10-7	4.1 (10)	10/10	4.0 (10)	98	10/10	4.0 (10)	98	10/10	4.2 (10)	102	10/10	4.7 (9)	115	10/10	4.3 (10)	105	10/10	4.7 (10)	115	10/10
11-7	5.5 (10)	10/10	5.4 (10)	98	10/10	5.8 (10)	105	10/10	5.6 (10)	102	10/10	5.5 (9)	100	10/10	5.8 (10)	105	10/10	5.9 (10)	107	10/10
12-7	5.4 (10)	10/10	5.4 (10)	100	10/10	5.6 (10)	104	10/10	5.8 (10)	107	10/10	5.7 (9)	106	10/10	5.6 (10)	104	10/10	5.7 (10)	106	10/10
13-7	5.5 (10)	10/10	5.0 (10)	91	10/10	5.2 (10)	95	10/10	5.2 (10)	95	10/10	5.4 (9)	98	9/ 9	5.2 (10)	95	10/10	5.5 (10)	100	10/10

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

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

Week-Day on Study	Control Av.FC.	Control No.of Surviv. <10>	500 ppm Av.FC.	500 ppm % of cont. <10>	500 ppm No.of Surviv.	2000 ppm Av.FC.	2000 ppm % of cont. <10>	2000 ppm No.of Surviv.	4000 ppm Av.FC.	4000 ppm % of cont. <10>	4000 ppm No.of Surviv.	8000 ppm Av.FC.	8000 ppm % of cont. <10>	8000 ppm No.of Surviv.	10000 ppm Av.FC.	10000 ppm % of cont. <10>	10000 ppm No.of Surviv.	16000 ppm Av.FC.	16000 ppm % of cont. <10>	16000 ppm No.of Surviv.
1-7	5.1 (10)	10/10	5.1 (10)	100	10/10	4.5 (10)	88	10/10	4.9 (10)	96	10/10	4.9 (10)	96	10/10	4.7 (10)	92	10/10	5.5 (10)	108	10/10
2-7	4.1 (10)	10/10	4.3 (10)	105	10/10	4.0 (10)	98	10/10	4.1 (10)	100	10/10	4.6 (10)	112	10/10	5.4 (10)	132	10/10	6.2 (10)	151	10/10
3-7	5.0 (10)	10/10	4.7 (10)	94	10/10	4.5 (10)	90	10/10	4.7 (10)	94	10/10	5.1 (10)	102	10/10	6.0 (10)	120	10/10	6.5 (10)	130	9/10
4-7	5.4 (10)	10/10	5.2 (10)	96	10/10	4.9 (10)	91	10/10	4.8 (10)	89	10/10	5.0 (10)	93	10/10	5.3 (10)	98	10/10	6.0 (9)	111	9/10
5-7	5.3 (10)	10/10	5.9 (10)	111	10/10	5.6 (10)	106	10/10	5.7 (10)	108	10/10	6.1 (10)	115	10/10	6.4 (10)	121	10/10	7.9 (9)	149	9/10
6-7	5.8 (10)	10/10	5.6 (10)	95	10/10	5.6 (10)	95	10/10	5.6 (10)	95	10/10	5.7 (10)	97	10/10	6.0 (10)	102	10/10	6.6 (9)	112	9/10
7-7	5.1 (10)	10/10	5.8 (10)	114	10/10	5.9 (10)	116	10/10	5.9 (10)	116	10/10	5.2 (10)	102	10/10	5.2 (10)	102	10/10	5.7 (9)	112	9/10
8-7	4.4 (10)	10/10	3.9 (10)	89	10/10	4.3 (10)	98	10/10	4.0 (10)	91	10/10	4.1 (10)	93	10/10	4.4 (10)	100	10/10	4.7 (9)	107	9/10
9-7	5.3 (10)	10/10	6.6 (10)	125	10/10	6.4 (10)	121	10/10	6.1 (10)	115	10/10	6.3 (10)	119	10/10	6.2 (10)	117	10/10	5.7 (9)	108	9/10
10-7	4.4 (10)	10/10	4.3 (10)	98	10/10	4.2 (10)	95	10/10	4.0 (10)	91	10/10	4.3 (10)	98	10/10	4.0 (10)	91	10/10	4.7 (9)	107	9/10
11-7	6.2 (10)	10/10	6.4 (10)	103	10/10	6.2 (10)	100	10/10	5.8 (10)	94	10/10	6.1 (10)	98	10/10	6.0 (10)	97	10/10	6.5 (9)	105	9/10
12-7	5.7 (10)	10/10	5.8 (10)	102	10/10	5.7 (10)	100	10/10	5.7 (10)	100	10/10	5.9 (10)	104	10/10	6.1 (10)	107	10/10	6.9 (9)	121	9/10
13-7	5.9 (10)	10/10	5.7 (10)	97	10/10	5.3 (10)	90	10/10	5.3 (10)	90	10/10	5.4 (10)	92	10/10	5.2 (10)	88	10/10	6.4 (9)	108	9/10

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