

キノリンのマウスを用いた経口投与による  
13 週間毒性試験(混水試験)報告書

試験番号：0290

## TABLES

TABLES

- TABLE 1 EXPERIMENTAL DESIGN AND MATERIALS AND METHODS IN THE 13-WEEK DRINKING STUDY OF QUINOLINE
- TABLE 2 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES OF MALE MICE IN THE 13-WEEK DRINKING WATER STUDY OF QUINOLINE
- TABLE 3 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES OF FEMALE MICE IN THE 13-WEEK DRINKING WATER STUDY OF QUINOLINE
- TABLE 4 WATER CONSUMPTION CHANGES OF MALE MICE IN THE 13-WEEK DRINKING WATER STUDY OF QUINOLINE
- TABLE 5 WATER CONSUMPTION CHANGES OF FEMALE MICE IN THE 13-WEEK DRINKING WATER STUDY OF QUINOLINE
- TABLE 6 FOOD CONSUMPTION CHANGES OF MALE MICE IN THE 13-WEEK DRINKING WATER STUDY OF QUINOLINE
- TABLE 7 FOOD CONSUMPTION CHANGES OF FEMALE MICE IN THE 13-WEEK DRINKING WATER STUDY OF QUINOLINE

TABLE 1 EXPERIMENTAL DESIGN AND MATERIALS AND METHODS  
IN THE 2-WEEK DRINKING STUDY OF QUINOLINE

13-week study	
<Method of Administration>	Drinking Water
<Number of Groups>	Male 6, Female 6
<Size of Groups>	10 males and 10 females of each group
<Animals>	Strain and Species Crj:BDF <sub>1</sub> mouse
	Animal Source Charles River Japan, Inc.
	Duration Held Before Study 2 wk
	Age When Placed on Study 6 wk
	Age When Killed 19 wk
<Doses>	<Male> 0, 237, 355, 533, 800 or 1200 ppm <Female> 0, 237, 355, 533, 800 or 1200 ppm
<Duration of Dosing>	7d/wk for 13wk
<Animal Maintenance>	Feed CRF-1 (Oriental Yeast Co., Ltd.) Sterilized by $\gamma$ -ray Available <i>ad libitum</i>
	Water Filtrated and sterilized by ultraviolet ray 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 15~17 room air changes /h
<Type and Frequency of Observation>	Clinical Sign Observed 1 per d
	Body Weight Weighed 1 per wk for 13wk
	Food Consumption Weighed 1 per wk for 13wk
	Water Consumption Weighed 1 per wk for 13wk

TABLE 1 EXPERIMENTAL DESIGN AND MATERIALS AND METHODS  
(Continued) IN THE 2-WEEK DRINKING STUDY OF QUINOLINE

13-week study

<Hematology>

Red blood cell (RBC), Hemoglobin, Hematocrit,  
Mean Corpuscular Volume (MCV),  
Mean Corpuscular hemoglobin (MCH),  
Mean Corpuscular hemoglobin concentrate (MCHC),  
Platelet, White blood cell (WBC), Differential WBC,

<Biochemistry>

Total protein, Albumin, A/G ratio,  
Total bilirubin, Glucose, Total cholesterol, Triglyceride  
Phospholipid, Glutamic oxaloacetic transaminase (GOT),  
Glutamic pyruvic transaminase (GPT),  
Alkaline phosphatase (ALP)  
Lactate dehydrogenase (LDH),  
 $\gamma$  -Glutamyl transpeptidase (G-GTP)  
Creatine phosphokinase (CPK),  
Urea nitrogen, Sodium,  
Potassium, Chloride,  
Calcium, Inorganic phosphorus.

<Urinalysis>

pH, Protein, Glucose, Ketone body, Occult blood, Urobilinogen

<Necropsy>

Necropsy performed on all animals.

<Organ Weight>

Organ weight measurement performed on all animals  
The following organs were weighed;  
thymus, adrenal, testis, ovary, heart, lung,  
kidney, spleen, liver, and brain.

<Histopathologic Examination>

Histopathologic examination performed on all animals  
two animals per sex per group.

The following organs were examined;

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, 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, other organs/tissues with gross lesions.

TABLE 2 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES OF MALE MICE  
IN THE 13-WEEK DRINKING WATER STUDY OF QUINOLINE

Week on Study	Control		237ppm			355ppm			533ppm			800ppm			1200ppm		
	Av.Wt. <10>	No. of Surviv. 10/10	Av.Wt. <10>	% of cont. <10>	No. of Surviv. 10/10	Av.Wt. <10>	% of cont. <10>	No. of Surviv. 10/10	Av.Wt. <10>	% of cont. <10>	No. of Surviv. 10/10	Av.Wt. <10>	% of cont. <10>	No. of Surviv. 10/10	Av.Wt. <10>	% of cont. <10>	No. of Surviv. 10/10
0	23.1 (10)	10/10	23.1 (10)	100	10/10	23.1 (10)	100	10/10	23.1 (10)	100	10/10	23.1 (10)	100	10/10	23.1 (10)	100	10/10
1	24.3 (10)	10/10	24.5 (10)	101	10/10	23.8 (10)	98	10/10	23.6 (10)	97	10/10	23.0 (10)	95	10/10	21.3 (10)	88	10/10
2	25.2 (10)	10/10	25.3 (10)	100	10/10	24.6 (10)	98	10/10	24.2 (10)	96	10/10	23.9 (10)	95	10/10	21.8 (10)	87	10/10
3	26.5 (10)	10/10	26.7 (10)	101	10/10	25.7 (10)	97	10/10	25.1 (10)	95	10/10	24.5 (10)	92	10/10	22.5 (10)	85	10/10
4	27.0 (10)	10/10	26.9 (10)	100	10/10	26.0 (10)	96	10/10	25.5 (10)	94	10/10	24.8 (10)	92	10/10	22.8 (10)	84	10/10
5	27.9 (10)	10/10	28.2 (10)	101	10/10	26.8 (10)	96	10/10	26.4 (10)	95	10/10	25.5 (10)	91	10/10	23.3 (10)	84	10/10
6	29.1 (10)	10/10	29.4 (10)	101	10/10	27.3 (10)	94	10/10	27.1 (10)	93	10/10	25.7 (10)	88	10/10	24.0 (10)	82	10/10
7	30.0 (10)	10/10	30.1 (10)	100	10/10	28.0 (10)	93	10/10	27.3 (10)	91	10/10	25.9 (10)	86	10/10	23.9 (10)	80	10/10
8	31.0 (10)	10/10	31.1 (10)	100	10/10	28.7 (10)	93	10/10	28.0 (10)	90	10/10	26.3 (10)	85	10/10	24.1 (10)	78	10/10
9	31.5 (10)	10/10	31.8 (10)	101	10/10	29.2 (10)	93	10/10	28.4 (10)	90	10/10	26.4 (10)	84	10/10	24.3 (10)	77	10/10
10	32.9 (10)	10/10	33.1 (10)	101	10/10	30.5 (10)	93	10/10	29.2 (10)	89	10/10	27.1 (10)	82	10/10	24.4 (10)	74	10/10
11	33.3 (10)	10/10	33.7 (10)	101	10/10	30.6 (10)	92	10/10	29.7 (10)	89	10/10	27.2 (10)	82	10/10	24.7 (10)	74	10/10
12	34.3 (10)	10/10	34.3 (10)	100	10/10	31.2 (10)	91	10/10	30.2 (10)	88	10/10	27.4 (10)	80	10/10	24.6 (10)	72	10/10
13	35.1 (10)	10/10	35.4 (10)	101	10/10	32.0 (10)	91	10/10	30.8 (10)	88	10/10	27.9 (10)	79	10/10	24.9 (10)	71	10/10

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

TABLE 3 SURVIVAL ANIMAL NUMBERS AND BODY WEIGHT CHANGES OF FEMALE RATS IN THE 13-WEEK DRINKING WATER STUDY OF QUINOLINE

Week on Study	Control			237ppm			355ppm			533ppm			800ppm			1200ppm		
	Av.Wt. <10>	No. of Surviv.	No. of Surviv.	Av.Wt. <10>	% of cont. <10>	No. of Surviv.	Av.Wt. <10>	% of cont. <10>	No. of Surviv.	Av.Wt. <10>	% of cont. <10>	No. of Surviv.	Av.Wt. <10>	% of cont. <10>	No. of Surviv.	Av.Wt. <10>	% of cont. <10>	No. of Surviv.
0	18.9 (10)	10/10	10/10	18.9 (10)	100	10/10	18.9 (10)	100	10/10	18.9 (10)	100	10/10	18.9 (10)	100	10/10	18.9 (10)	100	10/10
1	19.0 (10)	10/10	10/10	19.3 (10)	102	10/10	19.2 (10)	101	10/10	19.4 (10)	102	10/10	19.1 (10)	101	10/10	17.2 (10)	91	10/10
2	19.7 (10)	10/10	10/10	20.1 (10)	102	10/10	20.1 (10)	102	10/10	20.0 (10)	102	10/10	19.9 (10)	101	10/10	17.8 (10)	90	10/10
3	20.7 (10)	10/10	10/10	21.2 (10)	102	10/10	21.5 (10)	104	10/10	20.8 (10)	100	10/10	20.4 (10)	99	10/10	19.0 (10)	92	10/10
4	21.0 (10)	10/10	10/10	20.9 (10)	100	10/10	20.7 (10)	99	10/10	20.8 (10)	99	10/10	20.4 (10)	97	10/10	19.2 (10)	91	10/10
5	21.5 (10)	10/10	10/10	21.5 (10)	100	10/10	21.2 (10)	99	10/10	21.9 (10)	102	10/10	21.0 (10)	98	10/10	20.0 (10)	93	10/10
6	22.1 (10)	10/10	10/10	22.4 (10)	101	10/10	22.4 (10)	101	10/10	22.2 (10)	100	10/10	22.0 (10)	100	10/10	20.5 (10)	93	10/10
7	22.1 (10)	10/10	10/10	23.1 (10)	105	10/10	22.6 (10)	102	10/10	22.6 (10)	102	10/10	21.7 (10)	98	10/10	21.0 (10)	95	10/10
8	22.7 (10)	10/10	10/10	23.3 (10)	103	10/10	23.0 (10)	101	10/10	22.9 (10)	101	10/10	22.3 (10)	98	10/10	21.2 (10)	93	10/10
9	23.1 (10)	10/10	10/10	23.5 (10)	102	10/10	23.4 (10)	101	10/10	23.1 (10)	100	10/10	22.5 (10)	97	10/10	21.6 (10)	94	10/10
10	24.2 (10)	10/10	10/10	23.5 (10)	97	10/10	23.9 (10)	99	10/10	23.4 (10)	97	10/10	23.1 (10)	95	10/10	22.1 (10)	91	10/10
11	23.1 (10)	10/10	10/10	23.8 (10)	103	10/10	23.3 (10)	101	10/10	23.3 (10)	101	10/10	23.0 (10)	100	10/10	22.0 (10)	95	10/10
12	23.9 (10)	10/10	10/10	24.7 (10)	103	10/10	23.6 (10)	99	10/10	23.6 (10)	99	10/10	23.1 (10)	97	10/10	22.3 (10)	93	10/10
13	24.7 (10)	10/10	10/10	24.7 (10)	100	10/10	23.9 (10)	97	10/10	24.1 (10)	98	10/10	23.8 (10)	96	10/10	22.7 (10)	92	10/10

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

TABLE 4 WATER CONSUMPTION CHANGES OF MALE MICE IN THE 13-WEEK DRINKING WATER STUDY OF QUINOLINE

Week on Study	Control		237ppm			355ppm			533ppm			800ppm			1200ppm		
	Av.FC.	No. of Surviv.	Av.FC.	% of cont.	No. of Surviv.	Av.FC.	% of cont.	No. of Surviv.	Av.FC.	% of cont.	No. of Surviv.	Av.FC.	% of cont.	No. of Surviv.	Av.FC.	% of cont.	No. of Surviv.
	<10>		<10>	<10>		<10>	<10>		<10>	<10>		<10>	<10>		<10>	<10>	
1	5.0	(10) 10/10	4.2	(10) 84	10/10	3.6	(10) 72	10/10	3.0	(10) 60	10/10	8.5	(10) 170	10/10	1.6	(10) 32	10/10
2	10.8	(10) 10/10	4.2	(10) 39	10/10	3.6	(10) 33	10/10	2.6	(10) 24	10/10	5.1	(10) 47	10/10	1.4	(10) 13	10/10
3	5.2	(10) 10/10	4.0	(10) 77	10/10	3.3	(10) 63	10/10	2.4	(10) 46	10/10	3.7	(10) 71	10/10	1.2	(10) 23	10/10
4	5.2	(10) 10/10	4.2	(10) 81	10/10	3.3	(10) 63	10/10	2.5	(10) 48	10/10	2.7	(10) 52	10/10	1.3	(10) 25	10/10
5	4.7	(10) 10/10	4.4	(10) 94	10/10	3.2	(10) 68	10/10	2.4	(10) 51	10/10	1.9	(10) 40	10/10	1.2	(10) 26	10/10
6	4.3	(10) 10/10	4.3	(10) 100	10/10	3.1	(10) 72	10/10	2.3	(10) 53	10/10	1.9	(10) 44	10/10	1.3	(10) 30	10/10
7	4.2	(10) 10/10	4.6	(10) 110	10/10	3.3	(10) 79	10/10	2.5	(10) 60	10/10	1.9	(10) 45	10/10	1.3	(10) 31	10/10
8	3.7	(10) 10/10	4.0	(10) 108	10/10	3.1	(10) 84	10/10	2.3	(10) 62	10/10	1.8	(10) 49	10/10	1.3	(10) 35	10/10
9	3.9	(10) 10/10	4.3	(10) 110	10/10	3.2	(10) 82	10/10	2.3	(10) 59	10/10	1.8	(10) 46	10/10	1.3	(10) 33	10/10
10	4.0	(10) 10/10	3.8	(10) 95	10/10	3.1	(10) 78	10/10	2.3	(10) 58	10/10	4.8	(10) 120	10/10	1.3	(10) 33	10/10
11	4.0	(10) 10/10	3.7	(10) 93	10/10	3.0	(10) 75	10/10	2.2	(10) 55	10/10	1.8	(10) 45	10/10	1.3	(10) 33	10/10
12	3.8	(10) 10/10	3.5	(10) 92	10/10	2.9	(10) 76	10/10	2.2	(10) 58	10/10	1.7	(10) 45	10/10	1.2	(10) 32	10/10
13	3.8	(10) 10/10	3.5	(10) 92	10/10	2.9	(10) 76	10/10	2.1	(10) 55	10/10	1.7	(10) 45	10/10	1.2	(10) 32	10/10

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

TABLE 5 WATER CONSUMPTION CHANGES OF FEMALE MICE IN THE 13-WEEK DRINKING WATER STUDY OF QUINOLINE

Week on Study	Control			237ppm			355ppm			533ppm			800ppm			1200ppm		
	Av.FC. <10>	No. of Surviv.	No. of	Av.FC. <10>	% of cont.	No. of Surviv.	Av.FC. <10>	% of cont.	No. of Surviv.	Av.FC. <10>	% of cont.	No. of Surviv.	Av.FC. <10>	% of cont.	No. of Surviv.	Av.FC. <10>	% of cont.	No. of Surviv.
1	4.4 (10)	10/10		4.2 (10)	95	10/10	3.6 (10)	81	10/10	3.1 (10)	71	10/10	2.3 (10)	51	10/10	2.0 (10)	46	10/10
2	4.5 (10)	10/10		4.3 (10)	97	10/10	3.6 (10)	81	10/10	2.9 (10)	65	10/10	2.1 (10)	46	10/10	1.5 (10)	34	10/10
3	4.6 (10)	10/10		4.2 (10)	93	10/10	3.3 (10)	72	10/10	2.8 (10)	60	10/10	1.9 (10)	42	10/10	4.7 (10)	103	10/10
4	5.0 (10)	10/10		4.7 (10)	94	10/10	3.3 (10)	66	10/10	2.9 (10)	59	10/10	2.0 (10)	40	10/10	1.6 (10)	31	10/10
5	4.5 (10)	10/10		5.0 (10)	111	10/10	3.2 (10)	70	10/10	3.0 (10)	66	10/10	2.1 (10)	47	10/10	1.7 (10)	37	10/10
6	5.0 (10)	10/10		5.3 (10)	106	10/10	3.1 (10)	61	10/10	3.0 (10)	59	10/10	2.3 (10)	45	10/10	1.7 (10)	35	10/10
7	5.1 (10)	10/10		5.7 (10)	112	10/10	3.3 (10)	65	10/10	3.1 (10)	62	10/10	2.2 (10)	42	10/10	2.5 (10)	49	10/10
8	5.0 (10)	10/10		5.8 (10)	115	10/10	4.1 (10)	81	10/10	3.2 (10)	63	10/10	2.2 (10)	44	10/10	5.3 (10)	105	10/10
9	5.2 (10)	10/10		5.8 (10)	112	10/10	4.2 (10)	82	10/10	3.2 (10)	61	10/10	7.1 (10)	137	10/10	2.1 (10)	41	10/10
10	5.9 (10)	10/10		5.3 (10)	90	10/10	4.4 (10)	74	10/10	3.1 (10)	52	10/10	2.2 (10)	37	10/10	1.9 (10)	32	10/10
11	5.2 (10)	10/10		5.6 (10)	107	10/10	4.0 (10)	77	10/10	2.9 (10)	56	10/10	2.1 (10)	40	10/10	1.8 (10)	35	10/10
12	5.2 (10)	10/10		7.4 (10)	144	10/10	4.0 (10)	77	10/10	3.0 (10)	58	10/10	3.1 (10)	59	10/10	1.8 (10)	35	10/10
13	5.6 (10)	10/10		4.8 (10)	87	10/10	3.8 (10)	68	10/10	2.8 (10)	51	10/10	2.0 (10)	36	10/10	1.8 (10)	33	10/10

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



TABLE 6 FOOD CONSUMPTION CHANGES OF MALE MICE IN THE 13-WEEK DRINKING WATER STUDY OF QUINOLINE

Week on Study	Control		237ppm			355ppm			533ppm			800ppm			1200ppm		
	Av.FC. <10>	No. of Surviv. 10/10	Av.FC.	% of cont. <10>	No. of Surviv. 10/10	Av.FC.	% of cont. <10>	No. of Surviv. 10/10	Av.FC.	% of cont. <10>	No. of Surviv. 10/10	Av.FC.	% of cont. <10>	No. of Surviv. 10/10	Av.FC.	% of cont. <10>	No. of Surviv. 10/10
1	3.7 (10)	10/10	3.8 (10)	103	10/10	3.6 (10)	97	10/10	3.6 (10)	97	10/10	3.4 (10)	92	10/10	3.0 (10)	81	10/10
2	3.7 (10)	10/10	3.7 (10)	100	10/10	3.6 (10)	97	10/10	3.3 (10)	89	10/10	3.3 (10)	89	10/10	3.2 (10)	86	10/10
3	3.8 (10)	10/10	3.8 (10)	100	10/10	3.5 (10)	92	10/10	3.4 (10)	89	10/10	3.3 (10)	87	10/10	3.2 (10)	84	10/10
4	3.7 (9)	10/10	3.8 (10)	103	10/10	3.6 (10)	97	10/10	3.4 (10)	92	10/10	3.4 (10)	92	10/10	3.4 (10)	92	10/10
5	3.7 (10)	10/10	3.9 (10)	105	10/10	3.6 (10)	97	10/10	3.5 (10)	95	10/10	3.4 (10)	92	10/10	3.3 (10)	89	10/10
6	3.8 (10)	10/10	3.9 (10)	103	10/10	3.6 (10)	95	10/10	3.5 (10)	92	10/10	3.3 (10)	87	10/10	3.4 (10)	89	10/10
7	3.8 (7)	10/10	3.8 (10)	100	10/10	3.5 (10)	92	10/10	3.4 (10)	89	10/10	3.2 (10)	84	10/10	3.3 (10)	87	10/10
8	3.9 (10)	10/10	4.1 (10)	105	10/10	3.8 (10)	97	10/10	3.5 (10)	90	10/10	3.3 (10)	85	10/10	3.3 (10)	85	10/10
9	3.8 (10)	10/10	4.0 (10)	105	10/10	3.6 (10)	95	10/10	3.4 (10)	89	10/10	3.2 (10)	84	10/10	3.2 (10)	84	10/10
10	4.0 (10)	10/10	4.0 (10)	100	10/10	3.7 (10)	92	10/10	3.6 (10)	90	10/10	3.4 (10)	85	10/10	3.4 (10)	85	10/10
11	3.9 (10)	10/10	4.0 (10)	103	10/10	3.7 (10)	95	10/10	3.5 (10)	90	10/10	3.3 (10)	85	10/10	3.3 (10)	85	10/10
12	3.9 (10)	10/10	3.9 (10)	100	10/10	3.7 (10)	95	10/10	3.5 (10)	90	10/10	3.3 (10)	85	10/10	3.3 (10)	85	10/10
13	3.8 (10)	10/10	3.9 (10)	103	10/10	3.7 (10)	97	10/10	3.4 (10)	89	10/10	3.2 (10)	84	10/10	3.3 (10)	87	10/10

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

TABLE 7 FOOD CONSUMPTION CHANGES OF FEMALE MICE IN THE 13-WEEK DRINKING WATER STUDY OF QUINOLINE

Week on Study	Control		237ppm			355ppm			533ppm			800ppm			1200ppm		
	Av.FC. <10>	No. of Surviv. 10/10	Av.FC. <10>	% of cont. <10>	No. of Surviv. 10/10	Av.FC. <10>	% of cont. <10>	No. of Surviv. 10/10	Av.FC. <10>	% of cont. <10>	No. of Surviv. 10/10	Av.FC. <10>	% of cont. <10>	No. of Surviv. 10/10	Av.FC. <10>	% of cont. <10>	No. of Surviv. 10/10
1	3.0	(10) 10/10	3.1	(10) 103	10/10	3.1	(10) 103	10/10	3.1	(10) 103	10/10	2.9	(10) 97	10/10	2.6	(10) 87	10/10
2	3.2	(10) 10/10	3.3	(10) 103	10/10	3.4	(10) 106	10/10	3.1	(10) 97	10/10	3.0	(10) 94	10/10	2.7	(10) 84	10/10
3	3.4	(10) 10/10	3.4	(10) 100	10/10	3.4	(10) 100	10/10	3.2	(10) 94	10/10	3.1	(10) 91	10/10	3.0	(10) 88	10/10
4	3.4	(10) 10/10	3.4	(10) 100	10/10	3.4	(10) 100	10/10	3.3	(10) 97	10/10	3.1	(10) 91	10/10	2.9	(10) 85	10/10
5	3.6	(10) 10/10	3.6	(10) 100	10/10	3.5	(10) 97	10/10	3.5	(10) 97	10/10	3.3	(10) 92	10/10	3.1	(10) 86	10/10
6	3.7	(10) 10/10	3.8	(10) 103	10/10	3.7	(10) 100	10/10	3.5	(10) 95	10/10	3.4	(10) 92	10/10	3.2	(10) 86	10/10
7	3.6	(10) 10/10	3.8	(10) 106	10/10	3.6	(10) 100	10/10	3.5	(10) 97	10/10	3.3	(10) 92	10/10	3.2	(10) 89	10/10
8	3.7	(10) 10/10	3.7	(10) 100	10/10	3.7	(10) 100	10/10	3.5	(10) 95	10/10	3.3	(10) 89	10/10	3.2	(10) 86	10/10
9	3.7	(10) 10/10	3.7	(10) 100	10/10	3.8	(10) 103	10/10	3.5	(10) 95	10/10	3.5	(10) 95	10/10	3.3	(10) 89	10/10
10	3.9	(10) 10/10	3.8	(10) 97	10/10	3.7	(10) 95	10/10	3.6	(10) 92	10/10	3.4	(10) 87	10/10	3.3	(10) 85	10/10
11	3.6	(10) 10/10	3.8	(10) 106	10/10	3.6	(10) 100	10/10	3.6	(10) 100	10/10	3.5	(10) 97	10/10	3.3	(10) 92	10/10
12	3.8	(10) 10/10	3.8	(10) 100	10/10	3.6	(10) 95	10/10	3.6	(10) 95	10/10	3.5	(10) 92	10/10	3.3	(10) 87	10/10
13	3.8	(10) 10/10	3.7	(10) 97	10/10	3.6	(10) 95	10/10	3.5	(10) 92	10/10	3.5	(10) 92	10/10	3.4	(10) 89	10/10

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