

Table 4-7 Blood chemistry in male microminipigs

Study No. SBL703-030

Group	Animal No.	Amylase (IU/L)								
		Pre	2w	4w	8w	12w	16w	20w	24w	30w
1	1	4117	4002	3971	4068	4282	4084	4190	4074	4288
	2	3505	3658	3352	3571	3613	3763	3658	3698	3446
	3	3740	3664	3623	3396	3893	4075	4323	4378	4682
	4	3608	3792	3018	3932	3997	3833	4294	4045	3894
	5	4051	4371	4121	4644	4560	4586	4756	4506	4836
	Mean ±S.D.	3804.2 269.7	3897.4 299.2	3617.0 449.6	3922.2 485.4	4069.0 364.2	4068.2 322.8	4244.2 392.8	4140.2 316.0	4229.2 570.6
2	6	4020	4261	4151	3860	4007	4190	3782	3666	3118
	7	3291	3355	3352	3398	3837	3712	3646	3982	3702
	8	3349	3715	3265	3464	3815	3826	4157	3977	4216
	9	4430	5229	4301	4558	4683	4635	4940	5334	5140
	10	3515	4035	4164	4930	4677	5042	4982	4994	5487
	Mean ±S.D.	3721.0 489.3	4119.0 708.2	3846.6 495.7	4042.0 677.6	4203.8 441.0	4281.0 557.6	4301.4 630.7	4390.6 727.5	4332.6 983.7
3	11	4137	4292	3902	4168	4494	3915	3949	4294	3876
	12	3439	3136	3203	3654	3816	3657	3680	4095	3940
	13	3428	3636	3687	4415	4411	4272	4010	4423	4307
	14	4412	4619	4714	5027	5281	4940	4983	5012	5252
	15	4542	4638	4578	5096	4490	4640	4300	5228	5240
	Mean ±S.D.	3991.6 530.1	4064.2 658.4	4016.8 629.5	4472.0 604.6	4498.4 521.0	4284.8 521.2	4184.4 497.8	4610.4 485.7	4523.0 680.2

Not significantly different from group 1.

Not significantly different from group 2.

Table 4-8 Blood chemistry in male microminipigs

Study No. SBL703-030

Group	Animal No.	T-Bil (mg/dL)								
		Pre	2w	4w	8w	12w	16w	20w	24w	30w
1	1	0.03	0.03	0.02	0.00	0.02	0.03	0.02	0.03	0.03
	2	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.01	0.02
	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5	0.03	0.05	0.01	0.02	0.01	0.00	0.02	0.02	0.00
	Mean	0.012	0.016	0.014	0.004	0.006	0.006	0.008	0.012	0.010
	±S.D.	0.016	0.023	0.017	0.009	0.009	0.013	0.011	0.013	0.014
2	6	0.02	0.04	0.05	0.01	0.03	0.00	0.00	0.00	0.00
	7	0.02	0.00	0.05	0.00	0.02	0.04	0.01	0.03	0.01
	8	0.03	0.05	0.06	0.03	0.05	0.00	0.00	0.02	0.02
	9	0.00	0.03	0.00	0.01	0.01	0.00	0.00	0.00	0.00
	10	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
	Mean	0.014	0.024	0.034	0.010	0.022	0.008	0.002	0.010	0.006
	±S.D.	0.013	0.023	0.027	0.012	0.019	0.018	0.004	0.014	0.009
3	11	0.00	0.01	0.02	0.01	0.02	0.01	0.01	0.00	0.00
	12	0.00	0.03	0.02	0.00	0.01	0.01	0.00	0.00	0.00
	13	0.03	0.04	0.03	0.02	0.03	0.01	0.01	0.01	0.00
	14	0.02	0.04	0.02	0.02	0.01	0.01	0.00	0.00	0.00
	15	0.03	0.02	0.00	0.00	0.05	0.00	0.00	0.00	0.00
	Mean	0.016	0.028	0.018	0.010	0.024*	0.008	0.004	0.002	0.000
	±S.D.	0.015	0.013	0.011	0.010	0.017	0.004	0.005	0.004	0.000

Note) T-Bil : Total bilirubin

* P<0.05 : Significantly different from group 1.
Not significantly different from group 2.

Table 4-9 Blood chemistry in male microminipigs

Study No. SBL703-030

Group	Animal No.	D-Bil (mg/dL)								
		Pre	2w	4w	8w	12w	16w	20w	24w	30w
1	1	0.03	0.01	0.01	0.01	0.02	0.01	0.01	0.02	0.01
	2	0.02	0.01	0.02	0.00	0.01	0.00	0.00	0.01	0.02
	3	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00
	4	0.00	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.01
	5	0.03	0.02	0.01	0.01	0.02	0.00	0.01	0.02	0.01
	Mean ±S.D.	0.018 0.013	0.012 0.004	0.010 0.007	0.006 0.005	0.010 0.010	0.002 0.004	0.008 0.004	0.010 0.010	0.010 0.007
2	6	0.02	0.01	0.02	0.01	0.01	0.01	0.00	0.01	0.01
	7	0.02	0.01	0.03	0.01	0.02	0.02	0.02	0.02	0.02
	8	0.04	0.03	0.03	0.02	0.03	0.00	0.01	0.01	0.01
	9	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.01
	10	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
	Mean ±S.D.	0.020 0.012	0.012 0.011	0.016 0.015	0.010 0.007	0.014 0.011	0.006 0.009	0.006 0.009	0.008 0.008	0.010 0.007
3	11	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.00	0.01
	12	0.02	0.02	0.01	0.00	0.01	0.01	0.00	0.01	0.00
	13	0.03	0.02	0.02	0.01	0.02	0.01	0.01	0.01	0.00
	14	0.03	0.02	0.01	0.02	0.02	0.01	0.01	0.02	0.01
	15	0.03	0.01	0.00	0.01	0.03	0.00	0.00	0.00	0.00
	Mean ±S.D.	0.024 0.009	0.016 0.005	0.010 0.007	0.010 0.007	0.018 0.008	0.008* 0.004	0.008 0.008	0.008 0.008	0.004 0.005

Note) D-Bil : Direct bilirubin

* P<0.05 : Significantly different from group 1.
Not significantly different from group 2.

Table 4-10 Blood chemistry in male microminipigs

Study No. SBL703-030

Group	Animal No.	TP (g/dL)								
		Pre	2w	4w	8w	12w	16w	20w	24w	30w
1	1	7.3	7.3	7.6	7.9	7.9	7.8	8.2	8.0	8.3
	2	7.1	7.2	7.0	7.3	7.6	7.8	8.1	7.9	8.1
	3	7.4	6.8	6.7	9.2	8.3	7.5	7.9	8.2	8.8
	4	7.3	7.0	7.8	8.3	7.7	7.7	8.2	8.0	8.3
	5	6.5	6.7	6.9	6.8	6.9	6.7	7.3	6.6	7.5
	Mean ±S.D.	7.12 0.36	7.00 0.25	7.20 0.47	7.90 0.92	7.68 0.51	7.50 0.46	7.94 0.38	7.74 0.65	8.20 0.47
2	6	7.1	7.1	7.3	7.2	7.5	7.2	7.0	6.9	7.8
	7	6.3	6.4	6.5	6.7	6.6	6.1	7.1	6.2	7.3
	8	6.0	6.6	6.3	6.3	6.3	6.5	6.8	7.0	6.8
	9	7.4	8.1	7.3	7.8	7.6	7.2	7.5	8.1	8.4
	10	7.1	6.8	6.8	7.1	6.6	7.0	7.2	7.4	7.9
	Mean ±S.D.	6.78 0.60	7.00 0.67	6.84 0.46	7.02 0.56	6.92* 0.59	6.80* 0.48	7.12** 0.26	7.12 0.70	7.64 0.61
3	11	7.1	7.4	7.1	7.3	7.2	6.6	6.6	7.1	7.6
	12	7.3	6.8	7.3	7.5	7.5	7.4	7.8	8.2	7.6
	13	7.2	7.1	6.7	7.3	7.3	7.5	7.8	7.7	8.3
	14	7.0	6.8	6.9	6.5	6.9	6.9	7.0	7.6	8.1
	15	7.3	7.4	7.0	7.5	7.2	7.2	7.3	7.9	8.6
	Mean ±S.D.	7.18 0.13	7.10 0.30	7.00 0.22	7.22 0.41	7.22 0.22	7.12 0.37	7.30* 0.52	7.70 0.41	8.04 0.44

Note) TP : Total protein

* P<0.05 , ** P<0.01 : Significantly different from group 1.
Not significantly different from group 2.

Table 4-11 Blood chemistry in male microminipigs

Study No. SBL703-030

Group	Animal No.	Albumin (g/dL)								
		Pre	2w	4w	8w	12w	16w	20w	24w	30w
1	1	5.1	4.6	4.9	5.0	5.1	5.0	5.2	5.0	5.1
	2	5.4	5.3	5.0	5.1	5.2	5.5	5.6	5.3	5.3
	3	5.5	4.9	4.7	3.7	4.3	4.4	4.6	4.3	5.2
	4	5.0	4.4	3.6	3.9	4.2	3.7	4.4	4.2	4.3
	5	5.0	5.1	5.1	5.2	5.2	5.0	5.4	5.0	4.8
	Mean ±S.D.	5.20 0.23	4.86 0.36	4.66 0.61	4.58 0.72	4.80 0.50	4.72 0.69	5.04 0.52	4.76 0.48	4.94 0.40
2	6	5.0	4.7	4.8	4.6	4.9	4.9	4.8	4.9	4.9
	7	4.6	4.6	4.4	4.5	4.6	4.1	4.8	4.2	4.9
	8	4.4	4.5	4.2	4.0	4.2	4.3	4.4	4.5	4.6
	9	5.2	5.6	5.0	5.5	5.4	5.0	5.0	5.3	5.5
	10	5.3	5.0	5.0	5.2	5.0	5.1	5.2	5.3	5.4
	Mean ±S.D.	4.90 0.39	4.88 0.44	4.68 0.36	4.76 0.59	4.82 0.45	4.68 0.45	4.84 0.30	4.84 0.49	5.06 0.38
3	11	4.9	4.8	4.7	5.0	5.0	4.6	4.2	4.7	4.7
	12	5.2	4.8	5.1	5.3	5.3	5.2	5.2	5.5	5.2
	13	4.9	4.7	4.4	4.7	4.6	4.4	4.6	4.6	4.9
	14	4.8	4.5	4.6	4.4	4.8	4.6	4.5	4.7	4.9
	15	4.9	4.9	4.7	5.0	5.0	4.8	4.9	5.0	5.0
	Mean ±S.D.	4.94* 0.15	4.74 0.15	4.70 0.25	4.88 0.34	4.94 0.26	4.72 0.30	4.68 0.38	4.90 0.37	4.94 0.18

* P<0.05 : Significantly different from group 1.
Not significantly different from group 2.

Table 4-12 Blood chemistry in male microminipigs

Study No. SBL703-030

Group	Animal No.	TG (mg/dL)								
		Pre	2w	4w	8w	12w	16w	20w	24w	30w
1	1	28	39	46	43	38	49	107	85	63
	2	34	25	61	66	72	105	112	77	67
	3	44	58	63	23	128	64	70	87	39
	4	37	57	19	38	38	28	37	64	54
	5	21	35	24	51	22	51	35	81	35
	Mean ±S.D.	32.8 8.8	42.8 14.4	42.6 20.4	44.2 15.9	59.6 42.4	59.4 28.6	72.2 36.8	78.8 9.1	51.6 14.2
2	6	26	36	56	47	28	57	43	46	54
	7	39	46	27	49	22	33	21	35	29
	8	29	70	55	34	33	23	46	51	66
	9	35	23	52	42	28	44	26	24	29
	10	33	71	30	46	28	88	38	40	93
	Mean ±S.D.	32.4 5.1	49.2 21.1	44.0 14.3	43.6 5.9	27.8 3.9	49.0 25.2	34.8* 10.8	39.2** 10.4	54.2 27.0
3	11	58	60	69	90	29	66	54	65	63
	12	45	44	57	50	47	65	76	36	34
	13	28	27	42	65	33	53	42	47	28
	14	16	33	47	42	20	12	17	40	12
	15	22	10	23	32	12	37	39	29	14
	Mean ±S.D.	33.8 17.3	34.8 18.7	47.6 17.2	55.8 22.6	28.2 13.3	46.6 22.6	45.6 21.6	43.4** 13.7	30.2* 20.5

Note) TG : Triglyceride

* P<0.05 , ** P<0.01 : Significantly different from group 1.
Not significantly different from group 2.

Table 4-13 Blood chemistry in male microminipigs

Study No. SBL703-030

Group	Animal No.	T-cho (mg/dL)								
		Pre	2w	4w	8w	12w	16w	20w	24w	30w
1	1	62	542	608	460	384	447	539	551	398
	2	40	336	364	417	298	297	387	357	248
	3	61	566	587	243	370	397	475	336	217
	4	51	235	100	195	125	138	136	140	125
	5	55	527	513	555	450	422	523	275	259
	Mean ±S.D.	53.8 8.9	441.2 147.2	434.4 210.0	374.0 151.0	325.4 124.4	340.2 126.6	412.0 165.2	331.8 148.9	249.4 98.4
2	6	51	400	525	353	385	418	366	415	192
	7	57	347	377	393	301	329	269	265	206
	8	56	526	461	337	370	347	436	450	360
	9	60	516	563	524	375	269	331	300	154
	10	51	172	233	327	208	242	286	328	171
	Mean ±S.D.	55.0 3.9	392.2 144.8	431.8 131.6	386.8 80.7	327.8 74.8	321.0 69.1	337.6 66.9	351.6 78.1	216.6 82.6
3	11	59	443	459	438	458	390	317	377	344
	12	55	489	506	613	557	589	573	565	361
	13	40	362	333	353	287	288	274	323	196
	14	39	375	388	401	347	315	288	297	267
	15	49	363	364	453	424	412	388	347	261
	Mean ±S.D.	48.4 8.9	406.4 57.0	410.0 71.0	451.6 98.1	414.6 103.8	398.8 118.0	368.0 122.7	381.8 106.6	285.8 67.2

Note) T-cho : Total cholesterol

Not significantly different from group 1.
 Not significantly different from group 2.

Table 4-14 Blood chemistry in male microminipigs

Study No. SBL703-030

Group	Animal No.	F-cho (mg/dL)								
		Pre	2w	4w	8w	12w	16w	20w	24w	30w
1	1	14	123	147	113	92	108	129	137	96
	2	10	74	86	98	68	70	92	87	56
	3	14	134	143	58	88	96	112	80	49
	4	12	55	26	45	28	31	29	31	27
	5	13	122	123	132	107	101	124	69	60
	Mean	12.6	101.6	105.0	89.2	76.6	81.2	97.2	80.8	57.6
	±S.D.	1.7	34.8	50.3	36.8	30.5	31.5	40.7	38.1	25.0
2	6	12	102	128	94	95	107	92	105	45
	7	13	85	92	96	75	82	66	66	50
	8	14	122	111	83	91	86	109	111	87
	9	14	113	127	122	87	62	74	69	33
	10	12	39	52	74	47	54	65	77	39
	Mean	13.0	92.2	102.0	93.8	79.0	78.2	81.2	85.6	50.8
	±S.D.	1.0	32.8	31.6	18.1	19.4	20.9	18.9	20.9	21.2
3	11	15	106	112	105	115	100	84	100	90
	12	13	110	122	151	137	144	141	139	85
	13	9	83	85	84	66	66	62	76	43
	14	9	89	93	96	83	75	68	73	64
	15	11	132	93	118	113	110	99	130	65
	Mean	11.4	104.0	101.0	110.8	102.8	99.0	90.8	103.6	69.4
	±S.D.	2.6	19.3	15.4	25.7	28.1	30.9	31.6	30.3	18.8

Note) F-cho : Free cholesterol

Not significantly different from group 1.
 Not significantly different from group 2.

Table 4-15 Blood chemistry in male microminipigs

Study No. SBL703-030

Group	Animal No.	Glucose (mg/dL)								
		Pre	2w	4w	8w	12w	16w	20w	24w	30w
1	1	78	69	115	83	112	87	107	80	79
	2	98	81	90	104	111	88	107	77	92
	3	157	104	96	84	106	90	80	94	101
	4	98	137	119	147	120	98	116	160	132
	5	99	77	79	78	93	93	84	81	88
	Mean	106.0	93.6	99.8	99.2	108.4	91.2	98.8	98.4	98.4
	±S.D.	29.8	27.5	16.9	28.5	10.0	4.4	15.8	35.0	20.4
2	6	86	72	96	182	141	94	117	92	104
	7	87	99	105	99	119	103	133	103	114
	8	173	131	129	106	126	164	104	118	86
	9	163	84	90	107	92	107	96	97	111
	10	143	105	96	155	128	107	97	92	145
	Mean	130.4	98.2	103.2	129.8	121.2	115.0	109.4	100.4	112.0
	±S.D.	41.5	22.4	15.4	36.7	18.2	27.9	15.6	10.8	21.4
3	11	86	77	98	92	99	78	84	98	95
	12	87	81	93	95	98	85	87	90	83
	13	78	80	92	118	87	96	145	130	91
	14	103	87	99	101	134	93	100	110	86
	15	101	85	87	113	91	107	138	119	118
	Mean	91.0	82.0	93.8	103.8	101.8	91.8	110.8	109.4	94.6
	±S.D.	10.7	4.0	4.9	11.3	18.7	11.0	28.8	16.0	13.9

Not significantly different from group 1.

Not significantly different from group 2.

Table 4-16 Blood chemistry in male microminipigs

Study No. SBL703-030

Group	Animal No.	UN (mg/dL)								
		Pre	2w	4w	8w	12w	16w	20w	24w	30w
1	1	16.4	11.5	13.3	14.5	10.4	11.2	13.9	15.8	16.9
	2	17.2	10.7	8.4	10.1	8.0	9.5	10.5	11.9	10.9
	3	14.5	11.7	10.1	8.4	7.7	10.3	10.2	10.6	10.2
	4	15.7	11.8	8.9	12.3	10.1	11.8	11.8	12.3	11.3
	5	12.1	10.9	9.5	10.7	7.8	11.6	10.3	7.3	9.4
	Mean ±S.D.	15.18 1.99	11.32 0.49	10.04 1.93	11.20 2.31	8.80 1.33	10.88 0.96	11.34 1.57	11.58 3.07	11.74 2.97
2	6	13.3	8.4	8.1	8.8	7.7	8.9	6.8	7.2	6.1
	7	12.4	6.4	6.6	7.8	7.6	7.2	8.3	7.6	9.8
	8	12.5	8.4	7.6	7.2	6.1	8.8	8.5	8.1	9.2
	9	16.3	11.3	10.2	9.9	7.9	8.6	8.2	8.3	9.7
	10	15.6	12.9	12.7	13.2	9.9	13.6	13.4	13.1	12.8
	Mean ±S.D.	14.02 1.81	9.48 2.59	9.04 2.43	9.38 2.37	7.84 1.36	9.42 2.44	9.04 2.53	8.86 2.41	9.52 2.38
3	11	13.0	13.3	8.6	7.9	7.0	7.6	9.9	7.1	9.3
	12	20.1	10.1	10.3	10.5	8.7	9.5	9.0	8.3	8.8
	13	15.9	11.5	10.7	11.0	8.1	10.6	9.4	9.6	9.5
	14	12.9	9.9	8.6	8.2	7.2	7.9	9.0	12.3	10.8
	15	9.7	8.9	6.5	8.1	5.5	7.4	7.8	7.0	7.8
	Mean ±S.D.	14.32 3.91	10.74 1.71	8.94 1.67	9.14 1.48	7.30 1.22	8.60** 1.39	9.02** 0.78	8.86 2.19	9.24 1.09

Note) UN : Urea nitrogen

** P<0.01 : Significantly different from group 1.
Not significantly different from group 2.

Table 4-17 Blood chemistry in male microminipigs

Study No. SBL703-030

Group	Animal No.	Cre (mg/dL)								
		Pre	2w	4w	8w	12w	16w	20w	24w	30w
1	1	0.78	0.80	0.82	0.86	0.84	0.85	1.01	1.05	1.11
	2	0.80	0.74	0.73	0.85	0.90	1.00	1.09	1.18	1.11
	3	0.63	0.64	0.65	0.60	0.81	0.87	0.97	0.98	1.21
	4	0.60	0.70	0.49	0.73	0.82	0.80	0.96	1.01	0.95
	5	0.71	0.78	0.78	0.89	0.96	1.02	1.11	1.08	1.17
	Mean ±S.D.	0.704 0.088	0.732 0.064	0.694 0.130	0.786 0.121	0.866 0.063	0.908 0.097	1.028 0.069	1.060 0.077	1.110 0.099
2	6	0.63	0.73	0.72	0.85	0.73	0.91	0.80	0.79	0.59
	7	0.65	0.66	0.66	0.70	0.77	0.80	0.90	0.90	0.96
	8	0.70	0.67	0.65	0.68	0.78	0.95	0.92	0.95	1.06
	9	0.86	0.81	0.84	0.89	0.99	1.02	1.15	1.20	1.42
	10	0.70	0.78	0.80	1.01	1.03	1.16	1.25	1.38	1.50
	Mean ±S.D.	0.708 0.090	0.730 0.066	0.734 0.084	0.826 0.138	0.860 0.139	0.968 0.134	1.004 0.188	1.044 0.240	1.106 0.369
3	11	0.59	0.56	0.55	0.58	0.68	0.77	0.84	0.95	1.06
	12	0.66	0.58	0.67	0.68	0.74	0.82	0.85	0.88	0.96
	13	0.69	0.71	0.71	0.86	0.89	0.94	1.01	1.13	1.13
	14	0.68	0.74	0.75	0.70	0.72	0.70	0.85	1.03	1.16
	15	0.63	0.69	0.73	0.77	0.77	0.80	0.84	0.90	0.92
	Mean ±S.D.	0.650 0.041	0.656 0.081	0.682 0.079	0.718 0.104	0.760* 0.080	0.806 0.088#	0.878** 0.074	0.978 0.103	1.046 0.104

Note) Cre : Creatinine

* P<0.05 , ** P<0.01 : Significantly different from group 1.

P<0.05 : Significantly different from group 2.

Table 4-18 Blood chemistry in male microminipigs

Study No. SBL703-030

Group	Animal No.	IP (mg/dL)								
		Pre	2w	4w	8w	12w	16w	20w	24w	30w
1	1	6.11	6.42	6.34	5.80	6.48	6.73	6.06	6.26	6.37
	2	7.47	7.00	7.66	7.47	7.94	7.80	7.81	7.21	6.59
	3	8.67	8.13	8.36	7.79	8.37	8.62	8.66	8.71	8.44
	4	7.56	7.62	7.52	7.86	8.07	8.12	7.80	7.82	7.20
	5	8.13	7.48	7.58	7.82	8.39	8.07	8.23	7.17	7.63
	Mean ±S.D.	7.588 0.957	7.330 0.649	7.492 0.728	7.348 0.879	7.850 0.790	7.868 0.702	7.712 0.989	7.434 0.905	7.246 0.833
2	6	6.66	6.68	7.24	6.42	7.36	7.73	6.84	6.69	7.84
	7	6.03	7.08	7.12	6.87	7.55	7.09	6.67	6.57	6.29
	8	6.89	5.78	6.68	6.50	7.41	6.95	6.97	6.26	6.77
	9	7.23	7.04	7.17	6.50	6.82	6.99	7.09	6.57	7.29
	10	8.37	7.67	7.45	8.16	7.82	8.15	8.32	7.94	9.18
	Mean ±S.D.	7.036 0.865	6.850 0.696	7.132 0.282	6.890 0.731	7.392 0.366	7.382 0.533	7.178 0.657	6.806 0.654	7.474 1.115
3	11	6.43	6.59	6.59	6.53	7.27	6.99	6.90	7.00	7.01
	12	7.21	6.73	7.40	7.14	8.04	7.07	7.40	7.35	6.87
	13	6.70	7.05	7.09	6.61	7.42	7.16	7.25	6.34	7.52
	14	6.66	5.96	5.97	6.58	7.04	6.88	6.72	6.00	6.14
	15	6.37	6.70	6.16	6.51	7.10	7.78	7.52	7.28	8.15
	Mean ±S.D.	6.674 0.332	6.606* 0.400	6.642* 0.605	6.674 0.263	7.374 0.401	7.176* 0.353	7.158 0.338	6.794 0.597	7.138 0.751

Note) IP : Inorganic phosphorus

* P<0.05 : Significantly different from group 1.
Not significantly different from group 2.

Table 4-19 Blood chemistry in male microminipigs

Study No. SBL703-030

Group	Animal No.	Ca (mg/dL)								
		Pre	2w	4w	8w	12w	16w	20w	24w	30w
1	1	10.6	10.8	10.3	10.8	10.9	11.8	11.5	11.3	11.5
	2	11.0	10.7	10.9	11.0	11.0	11.4	10.9	11.1	11.0
	3	10.9	10.7	10.4	10.1	10.6	11.1	10.9	11.0	12.2
	4	10.7	10.3	10.2	10.2	10.8	10.7	10.9	10.4	10.3
	5	10.6	11.0	10.4	11.0	11.1	10.9	11.5	10.6	11.2
	Mean ±S.D.	10.76 0.18	10.70 0.25	10.44 0.27	10.62 0.44	10.88 0.19	11.18 0.43	11.14 0.33	10.88 0.37	11.24 0.69
2	6	10.2	10.5	10.5	10.1	10.4	11.3	9.8	10.2	10.5
	7	10.0	9.9	10.0	10.1	10.5	10.3	10.2	10.1	10.5
	8	9.9	10.1	10.2	10.3	10.4	10.2	10.4	10.7	10.9
	9	10.5	11.4	10.7	11.0	11.4	10.9	11.1	11.4	12.2
	10	10.8	10.7	10.9	10.4	10.4	11.1	11.5	11.2	11.6
	Mean ±S.D.	10.28* 0.37	10.52 0.58	10.46 0.36	10.38 0.37	10.62 0.44	10.76 0.49	10.60 0.69	10.72 0.58	11.14 0.74
3	11	10.5	10.7	10.4	10.5	10.3	10.0	10.1	10.0	10.0
	12	10.3	10.4	10.7	10.8	11.1	10.9	10.7	11.1	10.7
	13	10.8	11.1	10.8	10.8	11.3	11.1	11.0	10.7	11.0
	14	10.2	10.1	10.1	10.1	10.1	10.2	10.1	10.4	10.3
	15	10.6	10.4	10.5	10.7	10.8	10.4	10.2	10.9	11.0
	Mean ±S.D.	10.48* 0.24	10.54 0.38	10.50 0.27	10.58 0.29	10.72 0.51	10.52* 0.47	10.42** 0.41	10.62 0.43	10.60 0.44

Note) Ca : Calcium

* P<0.05 , ** P<0.01 : Significantly different from group 1.
Not significantly different from group 2.

Table 4-20 Blood chemistry in male microminipigs

Study No. SBL703-030

Group	Animal No.	Na (mEq/L)								
		Pre	2w	4w	8w	12w	16w	20w	24w	30w
1	1	142	139	139	139	139	140	141	139	143
	2	140	141	142	145	144	146	146	143	142
	3	144	140	142	139	141	144	148	144	155
	4	143	141	140	139	142	145	147	142	142
	5	143	143	143	143	143	143	149	143	147
	Mean ±S.D.	142.4 1.5	140.8 1.5	141.2 1.6	141.0 2.8	141.8 1.9	143.6 2.3	146.2 3.1	142.2 1.9	145.8 5.5
2	6	143	142	142	138	140	143	140	141	144
	7	145	143	143	146	144	141	145	142	147
	8	143	140	139	142	141	142	146	141	146
	9	144	145	139	138	141	140	145	142	150
	10	145	142	142	141	139	145	151	146	147
	Mean ±S.D.	144.0* 1.0	142.4 1.8	141.0 1.9	141.0 3.3	141.0 1.9	142.2 1.9	145.4 3.9	142.4 2.1	146.8 2.2
3	11	144	143	140	141	138	140	141	139	138
	12	143	140	143	143	145	143	145	148	145
	13	143	142	140	141	142	142	143	141	144
	14	142	141	141	141	140	144	142	140	140
	15	141	144	139	140	140	140	140	142	143
	Mean ±S.D.	142.6 1.1#	142.0 1.6	140.6 1.5	141.2 1.1	141.0 2.6	141.8 1.8	142.2* 1.9	142.0 3.5	142.0 2.9##

Note) Na : Sodium

* P<0.05 : Significantly different from group 1.

P<0.05 , ## P<0.01 : Significantly different from group 2.

Table 4-21 Blood chemistry in male microminipigs

Study No. SBL703-030

Group	Animal No.	K (mEq/L)								
		Pre	2w	4w	8w	12w	16w	20w	24w	30w
1	1	5.3	4.5	4.5	4.1	4.4	5.3	5.2	4.4	4.4
	2	6.5	4.2	4.4	4.7	5.7	5.8	6.0	4.8	3.5
	3	5.9	5.2	6.1	5.2	4.4	6.3	6.0	5.6	6.6
	4	5.7	5.4	5.8	5.6	5.3	6.4	6.2	5.4	4.4
	5	4.7	5.2	4.4	5.8	5.4	4.6	5.9	4.1	5.2
	Mean ±S.D.	5.62 0.67	4.90 0.52	5.04 0.84	5.08 0.69	5.04 0.60	5.68 0.75	5.86 0.38	4.86 0.64	4.82 1.16
2	6	4.6	5.1	5.1	4.5	4.3	5.9	4.8	5.8	5.0
	7	4.3	4.9	4.7	5.5	5.1	6.1	4.6	5.8	4.9
	8	5.3	4.6	6.0	4.3	5.1	5.3	5.1	4.3	5.3
	9	5.5	5.9	6.3	3.9	4.7	4.6	5.4	4.5	4.8
	10	6.3	4.8	4.9	5.4	5.5	5.0	6.4	6.6	6.5
	Mean ±S.D.	5.20 0.79	5.06 0.50	5.40 0.71	4.72 0.70	4.94 0.46	5.38 0.62	5.26 0.71	5.40 0.97	5.30 0.70
3	11	5.9	5.9	4.0	5.6	4.9	4.2	4.7	4.3	4.1
	12	6.0	5.6	4.9	5.9	4.9	5.1	5.1	4.8	4.4
	13	4.9	4.5	4.7	3.8	4.0	4.2	4.4	3.7	4.8
	14	4.0	4.1	4.5	4.5	4.2	5.1	6.2	5.4	3.9
	15	3.9	4.9	5.4	5.0	4.5	6.4	6.1	5.2	6.3
	Mean ±S.D.	4.94 1.00	5.00 0.75	4.70 0.51	4.96 0.84	4.50 0.41	5.00 0.90	5.30 0.82	4.68 0.69	4.70 0.96

Note) K : Potassium

Not significantly different from group 1.
 Not significantly different from group 2.

Table 4-22 Blood chemistry in male microminipigs

Study No. SBL703-030

Group	Animal No.	Cl (mEq/L)								
		Pre	2w	4w	8w	12w	16w	20w	24w	30w
1	1	104	101	102	100	100	100	101	99	100
	2	105	102	105	104	105	102	104	101	101
	3	101	103	104	97	99	101	102	100	103
	4	104	100	102	101	99	102	102	100	99
	5	106	104	105	104	101	102	104	103	103
	Mean ±S.D.	104.0 1.9	102.0 1.6	103.6 1.5	101.2 2.9	100.8 2.5	101.4 0.9	102.6 1.3	100.6 1.5	101.2 1.8
2	6	103	102	101	101	99	99	103	105	101
	7	106	103	104	107	102	106	105	107	106
	8	106	101	105	104	105	101	104	103	103
	9	103	103	104	102	101	104	104	102	104
	10	106	103	102	103	101	101	104	104	104
	Mean ±S.D.	104.8 1.6	102.4 0.9	103.2 1.6	103.4 2.3	101.6 2.2	102.2 2.8	104.0* 0.7	104.2** 1.9	103.6* 1.8
3	11	104	101	103	104	103	103	103	105	103
	12	105	106	103	104	103	104	104	104	103
	13	106	104	105	103	103	101	107	106	104
	14	103	106	107	106	105	105	107	105	102
	15	105	105	105	103	103	106	106	103	105
	Mean ±S.D.	104.6 1.1	104.4* 2.1#	104.6 1.7	104.0* 1.2	103.4* 0.9	103.8* 1.9	105.4* 1.8	104.6** 1.1	103.4* 1.1

Note) Cl : Chloride

* P<0.05 , ** P<0.01 : Significantly different from group 1.

P<0.05 : Significantly different from group 2.

Table 4-23 Blood chemistry in male microminipigs

Study No. SBL703-030

Group	Animal No.	HDL-Cho (%)								
		Pre	2w	4w	8w	12w	16w	20w	24w	30w
1	1	40	20	23	26	27	29	31	29	30
	2	51	23	30	33	35	38	32	31	40
	3	44	19	25	31	33	35	35	35	49
	4	31	30	29	25	41	33	44	36	43
	5	42	22	16	19	21	20	21	35	23
	Mean ±S.D.	41.6 7.2	22.8 4.3	24.6 5.6	26.8 5.5	31.4 7.7	31.0 7.0	32.6 8.3	33.2 3.0	37.0 10.4
2	6	44	29	28	43	47	45	49	52	55
	7	49	24	20	22	30	29	29	30	34
	8	39	18	22	24	22	25	31	39	34
	9	50	20	22	31	32	40	35	43	56
	10	39	44	39	36	46	45	43	42	49
	Mean ±S.D.	44.2 5.3	27.0 10.4	26.2 7.8	31.2 8.6	35.4 10.8	36.8 9.3	37.4 8.4	41.2* 7.9	45.6 10.9
3	11	40	25	28	29	34	45	49	53	64
	12	49	20	27	32	29	29	30	41	30
	13	43	21	28	35	35	31	39	42	46
	14	33	23	31	39	44	45	41	44	39
	15	40	34	39	40	47	43	44	48	42
	Mean ±S.D.	41.0 5.8	24.6 5.6	30.6 4.9	35.0* 4.6	37.8 7.5	38.6 7.9	40.6 7.0	45.6** 4.9	44.2 12.5

Note) HDL-Cho(%) : High density lipoprotein-Cholesterol ratio

* P<0.05 , ** P<0.01 : Significantly different from group 1.
Not significantly different from group 2.

Table 4-24 Blood chemistry in male microminipigs

Study No. SBL703-030

Group	Animal No.	LDL-Cho (%)								
		Pre	2w	4w	8w	12w	16w	20w	24w	30w
1	1	51	68	70	63	70	68	62	63	65
	2	38	63	63	54	60	56	61	64	56
	3	48	72	69	59	62	62	59	58	45
	4	55	63	67	71	51	63	52	59	52
	5	48	64	78	73	73	75	73	57	70
	Mean ±S.D.	48.0 6.3	66.0 3.9	69.4 5.5	64.0 8.0	63.2 8.7	64.8 7.1	61.4 7.6	60.2 3.1	57.6 10.0
2	6	49	59	65	51	44	51	44	41	38
	7	41	66	74	70	64	67	63	64	60
	8	50	73	72	68	73	73	63	56	62
	9	41	71	69	59	59	55	55	49	37
	10	51	50	57	53	49	49	52	52	44
	Mean ±S.D.	46.4 5.0	63.8 9.4	67.4 6.7	60.2 8.6	57.8 11.6	59.0 10.5	55.4 8.0	52.4 8.5	48.2 12.0
3	11	53	68	67	65	61	48	43	37	29
	12	44	73	67	63	65	65	64	53	64
	13	42	69	62	57	57	62	56	51	47
	14	55	66	61	52	46	47	47	50	55
	15	47	57	56	51	49	53	50	48	54
	Mean ±S.D.	48.2 5.6	66.6 5.9	62.6* 4.6	57.6 6.3	55.6 8.0	55.0* 8.2	52.0* 8.2	47.8** 6.3	49.8 13.1

Note) LDL-Cho(%) : Low density lipoprotein-Cholesterol ratio

* P<0.05 , ** P<0.01 : Significantly different from group 1.
Not significantly different from group 2.

Table 4-25 Blood chemistry in male microminipigs

Study No. SBL703-030

Group	Animal No.	VLDL-Cho (%)								
		Pre	2w	4w	8w	12w	16w	20w	24w	30w
1	1	6	10	5	8	3	3	5	6	4
	2	8	11	5	9	5	5	5	3	3
	3	7	6	4	7	5	3	4	6	5
	4	10	6	4	3	7	4	3	4	4
	5	9	12	4	7	6	4	5	6	6
	Mean ±S.D.	8.0 1.6	9.0 2.8	4.4 0.5	6.8 2.3	5.2 1.5	3.8 0.8	4.4 0.9	5.0 1.4	4.4 1.1
2	6	6	9	5	5	8	4	6	6	6
	7	8	8	5	7	5	3	8	5	6
	8	10	6	4	7	5	2	5	4	2
	9	8	8	4	9	9	4	9	7	6
	10	8	5	3	8	5	4	4	6	4
	Mean ±S.D.	8.0 1.4	7.2 1.6	4.2 0.8	7.2 1.5	6.4 1.9	3.4 0.9	6.4* 2.1	5.6 1.1	4.8 1.8
3	11	7	5	3	5	5	7	7	9	6
	12	5	6	4	5	5	5	5	5	5
	13	13	9	8	7	7	6	5	6	6
	14	9	10	6	8	10	7	12	5	6
	15	9	8	4	7	4	3	5	3	3
	Mean ±S.D.	8.6 3.0	7.6 2.1	5.0 2.0	6.4 1.3	6.2 2.4	5.6* 1.7#	6.8 3.0	5.6 2.2	5.2 1.3

Note) VLDL-Cho(%): Very low density lipoprotein-Cholesterol ratio

* P<0.05 : Significantly different from group 1.

P<0.05 : Significantly different from group 2.

Table 4-26 Blood chemistry in male microminipigs

Study No. SBL703-030

Group	Animal No.	CM-Cho (%)								
		Pre	2w	4w	8w	12w	16w	20w	24w	30w
1	1	3	2	2	3	0	0	2	2	1
	2	3	3	2	4	0	1	2	2	1
	3	1	3	2	3	0	0	2	1	1
	4	4	1	0	1	1	0	1	1	1
	5	1	2	2	1	0	1	1	2	1
	Mean ±S.D.	2.4 1.3	2.2 0.8	1.6 0.9	2.4 1.3	0.2 0.4	0.4 0.5	1.6 0.5	1.6 0.5	1.0 0.0
2	6	1	3	2	1	1	0	1	1	1
	7	2	2	1	1	1	1	0	1	0
	8	1	3	2	1	0	0	1	1	2
	9	1	1	5	1	0	1	1	1	1
	10	2	1	1	3	0	2	1	0	3
	Mean ±S.D.	1.4 0.5	2.0 1.0	2.2 1.6	1.4 0.9	0.4 0.5	0.8 0.8	0.8* 0.4	0.8* 0.4	1.4 1.1
3	11	0	2	2	1	0	0	1	1	1
	12	2	1	2	0	1	1	1	1	1
	13	2	1	2	1	1	1	0	1	1
	14	3	1	2	1	0	1	0	1	0
	15	4	1	1	2	0	1	1	1	1
	Mean ±S.D.	2.2 1.5	1.2* 0.4	1.8 0.4	1.0* 0.7	0.4 0.5	0.8 0.4	0.6* 0.5	1.0* 0.0	0.8 0.4

Note) CM-Cho(%) : Chylomicron-Cholesterol ratio

* P<0.05 : Significantly different from group 1.
Not significantly different from group 2.