

Table 6-19

Blood chemistry in male microminipigs

Study No. SBL703-023

Group	Animal No.	Ca (mg/dL)													
		Pre	2w	4w	8w	12w	16w	20w	24w	28w	32w	36w	40w	44w	48w
1	1	9.8	9.6	10.0	10.1	9.9	9.7	9.6	10.3	9.9	9.7	9.7	9.5	9.0	9.4
	5	10.5	10.3	10.0	10.0	9.9	9.4	9.9	10.0	10.2	10.3	10.4	10.4	9.6	9.4
	16	10.3	10.7	10.3	10.5	10.3	11.1	10.9	11.3	11.8	11.5	11.1	11.6	10.9	10.8
	17	11.1	11.3	11.0	11.7	10.9	11.1	11.5	11.2	11.1	11.7	12.1	11.5	11.0	10.7
	Mean ±S.D.	10.43 0.54	10.48 0.71	10.33 0.47	10.58 0.78	10.25 0.47	10.33 0.90	10.48 0.88	10.70 0.65	10.75 0.87	10.80 0.96	10.83 1.02	10.75 0.99	10.13 0.98	10.08 0.78
2	6	10.0	9.6	10.0	10.0	10.2	9.8	10.1	9.9	10.0	10.3	9.8	10.3	9.6	9.7
	7	10.6	9.9	11.0	10.4	10.3	10.8	10.5	10.7	10.5	10.4	10.8	10.6	10.5	10.7
	8	9.9	10.0	10.6	9.7	10.1	10.0	10.1	10.1	10.1	10.1	10.0	9.7	9.7	
	9	11.0	10.6	11.0	10.5	10.5	10.9	10.8	10.5	10.8	11.2	10.6	10.5	10.3	10.3
	10	10.9	10.0	10.4	10.1	9.9	10.0	9.8	10.4	11.6	10.4	10.5	10.2	10.1	10.1
Mean ±S.D.	10.48 0.51	10.02 0.36	10.60 0.42	10.14 0.32	10.20 0.22	10.30 0.51	10.26 0.39	10.32 0.32	10.60 0.64	10.48 0.42	10.34 0.42	10.26 0.35	10.04 0.38	10.20 0.42	
3	11	10.7	9.8	10.0	9.8	10.0	10.2	10.2	9.8	10.3	10.5	10.5	10.1	9.8	10.2
	12	11.1	9.6	11.6	10.6	9.9	10.9	10.0	10.3	10.7	11.4	11.0	10.8	10.3	10.2
	13	11.0	10.4	10.7	10.2	10.1	10.4	10.1	10.3	10.3	11.1	11.1	10.3	10.5	10.7
	14	10.7	10.5	10.6	10.3	10.4	10.5	10.2	10.1	10.7	10.7	10.4	9.7	10.6	10.8
	15	10.8	10.2	10.2	10.2	10.7	10.1	10.7	10.4	10.8	10.9	10.5	9.9	10.0	10.2
Mean ±S.D.	10.86 0.18	10.10 0.39	10.62 0.62	10.22 0.29	10.22 0.33	10.42 0.31	10.24 0.27	10.18 0.24	10.56 0.24	10.92 0.35	10.70 0.32	10.16 0.42	10.24 0.34	10.42 0.30	

Note) Ca : Calcium

Not significantly different from Group 1.

Table 6-20

Blood chemistry in male microminipigs

Study No. SBL703-023

Group	Animal No.	Na (mEq/L)													
		Pre	2w	4w	8w	12w	16w	20w	24w	28w	32w	36w	40w	44w	48w
1	1	143	142	142	142	141	139	139	145	142	143	145	144	140	140
	5	143	144	141	139	142	139	140	144	143	147	145	146	143	142
	16	141	143	142	145	142	146	142	140	145	145	145	142	142	143
	17	144	145	148	150	144	144	145	141	142	145	152	144	142	143
	Mean ±S.D.	142.8 1.3	143.5 1.3	143.3 3.2	144.0 4.7	142.3 1.3	142.0 3.6	141.5 2.6	142.5 2.4	143.0 1.4	145.0 1.6	146.8 3.5	144.0 1.6	141.8 1.3	142.0 1.4
2	6	144	141	143	141	143	143	142	144	145	145	146	149	144	144
	7	140	135	146	144	145	148	146	145	144	144	148	148	146	147
	8	141	141	144	138	144	143	142	145	143	146	144	143	142	146
	9	141	139	144	144	143	147	147	147	147	153	149	148	145	146
	10	141	138	143	142	140	142	144	147	152	144	145	145	145	144
Mean ±S.D.	141.4 1.5	138.8** 2.5	144.0 1.2	141.8 2.5	143.0 1.9	144.6 2.7	144.2 2.3	145.6* 1.3	146.2 3.6	146.4 3.8	146.4 2.1	146.6 2.5	144.4* 1.5	145.3** 1.5	
3	11	143	141	143	144	145	146	146	141	145	150	149	148	142	147
	12	144	122	138	132	122	151	130	148	139	147	151	149	145	147
	13	146	143	144	147	144	147	146	145	144	152	150	148	148	149
	14	139	145	142	142	144	143	142	145	147	148	147	144	148	149
	15	141	141	142	141	145	143	145	147	144	149	145	144	141	141
Mean ±S.D.	142.6 2.7	138.4 9.3	141.8 2.3	141.2 5.6	140.0 10.1	146.0 3.3	141.8 6.8	145.2 2.7	143.8 2.9	149.2** 1.9	148.4 2.4	146.6 2.4	144.8 3.3	146.6* 3.3	

Note) Na : Sodium

\* P&lt;0.05 , \*\* P&lt;0.01 : Significantly different from Group 1.

Table 6-21 Blood chemistry in male microminipigs

Study No. SBL703-023

Group	Animal No.	K (mEq/L)													
		Pre	2w	4w	8w	12w	16w	20w	24w	28w	32w	36w	40w	44w	48w
1	1	4.4	4.2	4.0	4.1	4.4	4.1	3.6	3.8	3.5	3.8	4.4	3.5	3.9	3.3
	5	6.2	5.4	4.0	4.6	4.3	4.6	4.5	5.0	3.9	5.5	5.4	5.1	3.6	4.0
	16	5.0	4.3	4.1	5.5	4.8	5.7	5.8	6.0	5.5	4.8	5.6	5.1	3.9	3.8
	17	6.1	5.5	5.6	6.1	5.7	5.8	5.9	4.6	4.1	5.2	5.3	4.9	5.2	4.0
	Mean ±S.D.	5.43 0.87	4.85 0.70	4.43 0.78	5.08 0.90	4.80 0.64	5.05 0.83	4.95 1.10	4.85 0.91	4.25 0.87	4.83 0.74	5.18 0.53	4.65 0.77	4.15 0.71	3.78 0.33
2	6	4.4	4.2	4.2	4.0	4.6	4.7	3.7	4.2	5.0	4.2	4.0	3.8	3.9	3.9
	7	5.6	4.1	5.6	4.0	4.1	4.1	3.7	3.6	4.0	4.8	4.5	4.4	3.5	3.7
	8	4.3	3.7	4.3	3.5	3.6	3.8	3.6	3.6	3.2	3.7	4.3	3.6	3.7	
	9	6.2	5.2	4.4	5.6	5.1	5.4	5.1	4.3	4.6	5.7	4.2	4.4	4.2	4.7
	10	5.3	4.6	3.4	4.8	5.0	4.2	3.8	5.3	4.8	4.7	5.2	4.0	3.8	3.8
	Mean ±S.D.	5.16 0.81	4.36 0.57	4.38 0.79	4.38 0.83	4.48 0.63	4.44 0.63	3.98 0.63	4.20 0.70	4.32 0.73	4.62 0.75	4.44* 0.46	4.04 0.36	3.82 0.26	4.03 0.46
3	11	4.5	4.9	4.5	5.5	4.6	4.7	4.3	4.6	5.0	4.7	4.3	4.2	4.5	3.9
	12	5.0	4.0	5.5	4.8	4.4	5.0	3.8	4.3	3.8	5.9	5.1	5.0	4.2	3.8
	13	5.4	4.4	4.5	5.2	4.2	5.0	4.0	3.6	3.6	5.8	4.6	5.0	4.2	3.9
	14	6.3	5.6	4.5	4.1	3.8	5.3	3.6	4.8	4.6	4.4	4.5	4.0	4.5	4.2
	15	6.1	5.1	4.6	4.2	4.8	5.0	4.3	4.5	4.9	5.4	4.6	4.0	4.0	3.8
	Mean ±S.D.	5.46 0.75	4.80 0.62	4.72 0.44	4.76 0.61	4.36 0.38	5.00 0.21	4.00 0.31	4.36 0.46	4.38 0.64	5.24 0.67	4.62* 0.29	4.44 0.52	4.28 0.22	3.92 0.16

Note) K : Potassium

\* P&lt;0.05 : Significantly different from Group 1.

Table 6-22

Blood chemistry in male microminipigs

Study No. SBL703-023

Group	Animal No.	Cl (mEq/L)													
		Pre	2w	4w	8w	12w	16w	20w	24w	28w	32w	36w	40w	44w	48w
1	1	104	101	101	102	102	102	106	100	103	104	104	103	105	104
	5	105	104	103	105	104	104	107	105	106	108	105	103	103	104
	16	99	102	104	103	102	101	103	102	105	100	99	102	98	101
	17	103	101	105	105	101	101	101	100	101	101	103	100	103	101
	Mean ±S.D.	102.8 2.6	102.0 1.4	103.3 1.7	103.8 1.5	102.3 1.3	102.0 1.4	104.3 2.8	101.8 2.4	103.8 2.2	103.3 3.6	102.8 2.6	102.0 1.4	102.3 3.0	102.5 1.7
2	6	105	101	102	103	107	103	104	101	110	107	107	107	105	100
	7	103	96	100	103	101	103	103	101	103	107	101	103	101	105
	8	105	102	103	101	104	105	105	103	106	108	104	103	102	103
	9	106	97	102	105	106	104	105	101	105	110	106	104	102	103
	10	108	99	104	108	104	103	107	104	107	111	107	104	106	103
	Mean ±S.D.	105.4 1.8	99.0* 2.5	102.2 1.5	104.0 2.6	104.4 2.3	103.6* 0.9	104.8 1.5	102.0 1.4	106.2 2.6	108.6* 1.8	105.0 2.5	104.2* 1.6	103.2 2.2	102.8 2.1
3	11	104	104	103	106	102	104	106	103	105	109	105	106	108	109
	12	104	87	95	99	81	108	90	106	100	103	106	101	104	106
	13	103	101	103	107	106	107	105	101	105	109	103	107	107	105
	14	104	103	104	104	103	109	102	106	106	107	106	105	104	105
	15	107	104	103	100	102	104	104	104	108	108	102	105	104	104
	Mean ±S.D.	104.4 1.5	99.8 7.3	101.6 3.7	103.2 3.6	98.8 10.1	106.4** 2.3	101.4 6.5	104.0 2.1	104.8 2.9	107.2* 2.5	104.4 1.8	104.8* 2.3	105.4* 1.9	105.8* 1.9

Note) Cl : Chloride

\* P&lt;0.05 , \*\* P&lt;0.01 : Significantly different from Group 1.

Table 6-23

Blood chemistry in male microminipigs

Study No. SBL703-023

Group	Animal No.	HDL-Cho (%)													
		Pre	2w	4w	8w	12w	16w	20w	24w	28w	32w	36w	40w	44w	48w
1	1	49	51	40	47	55	42	44	50	42	53	40	47	43	53
	5	41	51	40	43	38	39	39	32	35	51	55	59	57	53
	16	45	62	48	49	49	49	57	49	48	51	38	48	48	53
	17	41	57	48	44	48	49	50	45	51	54	46	57	46	52
	Mean ±S.D.	44.0 3.8	55.3 5.3	44.0 4.6	45.8 2.8	47.5 7.0	44.8 5.1	47.5 7.8	44.0 8.3	44.0 7.1	52.3 1.5	44.8 7.6	52.8 6.1	48.5 6.0	52.8 0.5
2	6	56	51	55	51	54	60	56	52	56	50	61	59	58	58
	7	39	55	40	55	53	57	53	54	58	55	52	64	64	64
	8	43	57	51	59	47	52	47	47	47	43	53	53	53	56
	9	52	56	54	62	56	48	43	59	65	52	59	59	56	56
	10	37	44	40	41	40	37	40	42	44	47	48	50	51	48
Mean ±S.D.	45.4 8.3	52.6 5.3	48.0 7.4	53.6 8.2	50.0 6.5	50.8 9.0	47.8 6.7	50.8 6.5	54.0 8.5	49.4 4.6	54.6* 5.3	57.0 5.5	56.4* 5.0	56.5 6.6	
3	11	58	57	68	69	70	62	68	79	80	74	69	75	71	71
	12	44	55	53	59	64	52	60	54	60	59	62	72	71	74
	13	45	45	45	49	51	52	53	53	53	49	47	53	60	63
	14	45	51	46	47	50	51	51	53	52	53	49	42	54	51
	15	38	47	51	44	43	43	45	53	50	44	47	48	51	50
Mean ±S.D.	46.0 7.3	51.0 5.1	52.6 9.2	53.6 10.3	55.6 11.1	52.0 6.7	55.4 8.8	58.4* 11.5	59.0* 12.3	55.8 11.6	54.8 10.1	58.0 14.7	61.4* 9.3	61.8 11.1	

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

\* P<0.05 : Significantly different from Group 1.

Table 6-24

Blood chemistry in male microminipigs

Study No. SBL703-023

Group	Animal No.	LDL-Cho (%)													
		Pre	2w	4w	8w	12w	16w	20w	24w	28w	32w	36w	40w	44w	48w
1	1	44	42	54	46	40	50	48	45	51	44	50	49	50	40
	5	51	44	51	52	52	53	50	65	59	41	40	35	35	36
	16	46	32	43	43	44	43	38	43	44	44	49	45	45	40
	17	51	37	44	52	44	41	44	47	40	41	39	36	49	40
	Mean ±S.D.	48.0 3.6	38.8 5.4	48.0 5.4	48.3 4.5	45.0 5.0	46.8 5.7	45.0 5.3	50.0 10.1	48.5 8.3	42.5 1.7	44.5 5.8	41.3 6.8	44.8 6.8	39.0 2.0
2	6	39	43	38	40	38	35	38	43	40	46	36	36	34	33
	7	54	41	53	41	40	40	41	41	36	41	39	33	32	31
	8	51	41	45	39	48	43	47	48	49	54	43	42	40	
	9	43	40	42	35	38	44	49	36	30	40	38	35	36	35
	10	57	53	55	54	57	57	55	53	52	47	48	44	42	44
Mean ±S.D.	48.8 7.6	43.6 5.4	46.6 7.2	41.8 7.2	44.2 8.3	43.8 8.2	46.0 6.7	44.2 6.5	41.4 9.1	45.6 5.6	40.8 4.8	38.0 4.7	36.8* 4.1	35.8 5.7	
3	11	37	40	27	27	26	32	27	16	15	19	27	20	23	23
	12	48	42	43	40	33	46	38	43	36	36	35	24	25	22
	13	47	50	49	46	44	44	42	42	43	48	50	40	36	33
	14	48	44	49	49	47	45	46	44	43	43	48	54	43	45
	15	55	50	45	52	55	52	51	42	44	52	49	48	44	46
Mean ±S.D.	47.0 6.4	45.2* 4.6	42.6 9.1	42.8 9.9	41.0 11.5	43.8 7.3	40.8 9.1	37.4 12.0	36.2 12.3	39.6 13.0	41.8 10.3	37.2 14.8	34.2 9.8	33.8 11.5	

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

\* P<0.05 : Significantly different from Group 1.

Table 6-25

Blood chemistry in male microminipigs

Study No. SBL703-023

Group	Animal No.	VLDL-Cho (%)													
		Pre	2w	4w	8w	12w	16w	20w	24w	28w	32w	36w	40w	44w	48w
1	1	4	5	5	5	4	7	6	4	5	3	6	3	5	6
	5	7	4	7	3	8	6	8	2	4	6	2	4	6	9
	16	7	5	6	6	6	3	7	6	5	9	5	5	6	5
	17	6	4	7	3	7	8	4	7	7	4	10	6	5	5
	Mean ±S.D.	6.0 1.4	4.5 0.6	6.3 1.0	4.3 1.5	6.3 1.7	6.8 1.0	5.3 2.2	5.0 2.4	5.5 1.3	4.5 1.3	6.8 3.6	4.5 1.3	5.5 0.6	6.3 1.9
2	6	4	5	6	6	6	5	5	4	3	3	2	4	7	8
	7	5	3	6	3	6	2	5	3	5	3	8	3	3	5
	8	4	2	3	1	4	4	4	3	4	3	3	4	6	6
	9	3	3	3	2	5	7	5	3	4	6	3	5	6	8
	10	5	3	4	3	2	5	4	4	3	5	3	5	6	7
Mean ±S.D.	4.2* 0.8	3.2* 1.1	4.4* 1.5	3.0 1.9	4.6 1.7	4.6* 1.8	4.6 0.5	3.4 0.5	3.8* 0.8	4.0 1.4	3.8 2.4	4.4 1.1	5.8 1.6	7.0 1.4	
3	11	3	3	4	3	3	5	4	4	3	6	3	4	5	6
	12	6	3	3	1	2	2	2	3	3	4	3	3	3	3
	13	6	4	5	4	4	3	5	4	3	3	3	5	3	3
	14	6	4	4	3	3	4	3	3	4	4	2	3	3	3
	15	6	2	4	3	2	4	4	5	4	3	3	3	4	4
Mean ±S.D.	5.4 1.3	3.2* 0.8	4.0** 0.7	2.8 1.1	2.8** 0.8	3.6** 1.1	3.6 1.1	3.8 0.8	3.4** 0.5	4.0 1.2	2.8 0.4	3.6 0.9	3.6** 0.9	3.8* 1.3	

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

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

Table 6-26

Blood chemistry in male microminipigs

Study No. SBL703-023

Group	Animal No.	CM-Cho (%)													
		Pre	2w	4w	8w	12w	16w	20w	24w	28w	32w	36w	40w	44w	48w
1	1	3	2	1	2	1	1	2	1	2	0	4	1	2	1
	5	1	1	2	2	2	2	3	1	2	2	3	2	2	2
	16	2	1	3	2	1	2	2	1	2	0	4	2	1	2
	17	2	2	1	1	1	2	2	1	2	1	5	1	0	3
	Mean ±S.D.	2.0 0.8	1.5 0.6	1.8 1.0	1.8 0.5	1.3 0.5	1.8 0.5	2.3 0.5	1.0 0.0	2.0 0.0	0.8 1.0	4.0 0.8	1.5 0.6	1.3 1.0	2.0 0.8
2	6	1	1	1	3	2	0	1	1	1	1	1	1	1	1
	7	2	1	1	1	1	1	1	2	1	1	1	0	1	0
	8	2	0	1	1	1	1	2	2	0	0	1	1	1	1
	9	2	1	1	1	1	1	3	2	1	2	0	0	1	1
	10	1	0	1	2	1	1	1	1	1	1	1	1	1	1
Mean ±S.D.	1.6 0.5	0.6* 0.5	1.0 0.0	1.6 0.9	1.2 0.4	0.8** 0.4	1.6 0.9	1.6* 0.5	0.8** 0.4	1.0 0.7	0.8** 0.4	0.6* 0.5	1.0 0.0	0.8* 0.5	
3	11	2	0	1	1	1	1	1	1	2	1	1	1	1	0
	12	2	0	1	0	1	0	0	0	1	1	0	1	1	1
	13	2	1	1	1	1	1	0	1	1	0	0	2	1	1
	14	1	1	1	1	0	0	0	0	1	0	1	1	0	1
	15	1	1	0	1	0	1	0	0	2	1	1	1	1	0
Mean ±S.D.	1.6 0.5	0.6* 0.5	0.8* 0.4	0.8** 0.4	0.6 0.5	0.6** 0.5	0.2** 0.4	0.4* 0.5	1.4* 0.5	0.6 0.5	0.6** 0.5	1.2 0.4	0.8 0.4	0.6** 0.5	

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

\* P&lt;0.05 , \*\* P&lt;0.01 : Significantly different from Group 1.



Table 6-27

Blood chemistry in male microminipigs

Study No. SBL703-023

Group	Animal No.	HDL-Cho (mg/dL)													
		Pre	2w	4w	8w	12w	16w	20w	24w	28w	32w	36w	40w	44w	48w
1	1	24	28	22	32	30	22	24	28	23	28	17	22	22	26
	5	32	37	27	28	27	23	21	20	19	28	30	34	34	32
	16	29	44	28	29	29	34	34	30	30	34	26	36	32	36
	17	35	48	39	37	32	33	36	32	33	38	29	38	30	34
	Mean ±S.D.	30.0 4.7	39.3 8.8	29.0 7.2	31.5 4.0	29.5 2.1	28.0 6.4	28.8 7.4	27.5 5.3	26.3 6.4	32.0 4.9	25.5 5.9	32.5 7.2	29.5 5.3	32.0 4.3
2	6	36	52	57	48	58	64	55	52	58	45	54	51	46	51
	7	25	49	43	53	66	71	65	57	59	53	55	62	58	50
	8	29	63	68	67	61	55	54	56	49	50	63	60	59	50
	9	28	55	59	64	57	53	37	57	70	46	54	51	41	50
	10	27	56	55	61	64	49	46	59	72	60	46	50	46	40
Mean ±S.D.	29.0 4.2	55.0** 5.2	56.4** 9.0	58.6** 7.9	61.2** 3.8	58.4** 8.9	51.4** 10.5	56.2** 2.6	61.6** 9.4	50.8** 6.1	54.4** 6.0	54.8** 5.7	50.0** 8.0	47.8** 5.2	
3	11	32	61	84	72	94	95	95	100	101	93	88	80	72	72
	12	25	63	90	101	113	88	106	90	99	100	81	86	60	79
	13	25	48	57	60	60	54	57	50	52	53	53	50	55	52
	14	30	78	82	77	90	92	94	84	94	84	75	51	70	64
	15	23	67	75	68	74	54	74	57	59	42	49	48	45	42
Mean ±S.D.	27.0 3.8	63.4** 10.8	77.6** 12.7	75.6** 15.5	86.2** 20.2	76.6** 20.8	85.2** 19.5	76.2** 21.6	81.0** 23.5	74.4** 25.5	69.2** 17.3	63.0** 18.4	60.4** 11.1	61.8** 14.9	

Note) HDL-Cho : High density lipoprotein-Cholesterol

\*\* P<0.01 : Significantly different from Group 1.

Table 6-28

Blood chemistry in male microminipigs

Study No. SBL703-023

Group	Animal No.	LDL-Cho (mg/dL)													
		Pre	2w	4w	8w	12w	16w	20w	24w	28w	32w	36w	40w	44w	48w
1	1	22	23	30	32	22	26	26	26	28	23	22	23	25	20
	5	39	32	34	34	37	31	28	40	32	22	22	20	21	22
	16	30	23	25	25	26	30	23	26	28	29	33	34	30	27
	17	43	31	36	44	29	27	32	33	26	29	25	24	32	26
	Mean ±S.D.	33.5 9.4	27.3 4.9	31.3 4.9	33.8 7.8	28.5 6.4	28.5 2.4	27.3 3.8	31.3 6.7	28.5 2.5	25.8 3.8	25.5 5.2	25.3 6.1	27.0 5.0	23.8 3.3
2	6	25	43	40	38	41	37	38	43	42	41	32	31	27	29
	7	34	36	57	40	50	50	50	43	37	39	41	32	29	24
	8	34	45	60	44	62	46	54	57	51	63	51	48	45	31
	9	23	40	46	36	38	49	42	35	32	35	35	30	26	37
	10	41	67	76	80	91	75	63	75	85	60	46	44	38	37
Mean ±S.D.	31.4 7.4	46.2* 12.1	55.8** 13.9	47.6 18.4	56.4* 21.5	51.4* 14.2	49.4** 9.9	50.6* 15.8	49.4* 21.1	47.6** 12.9	41.0** 7.8	37.0* 8.4	33.0 8.2	30.3* 5.4	
3	11	20	43	33	28	35	49	38	20	19	24	35	21	23	23
	12	27	48	73	69	58	78	67	71	59	61	46	29	21	24
	13	26	53	62	57	51	45	45	39	42	52	56	38	33	27
	14	32	67	87	80	85	81	85	70	78	68	74	65	56	56
	15	34	71	67	81	95	65	84	45	52	50	51	48	39	38
Mean ±S.D.	27.8 5.5	56.4** 12.1	64.4** 19.9	63.0* 21.9	64.8* 24.7	63.6** 16.4	63.8** 21.7	49.0 21.7	50.0* 21.8	51.0* 16.7	52.4** 14.4	40.2 17.1	34.4 14.1	33.6 13.9	

Note) LDL-Cho : Low density lipoprotein-Cholesterol

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

Table 6-29

Blood chemistry in male microminipigs

Study No. SBL703-023

Group	Animal No.	VLDL-Cho (mg/dL)													
		Pre	2w	4w	8w	12w	16w	20w	24w	28w	32w	36w	40w	44w	48w
1	1	2	3	3	3	2	4	3	2	3	2	3	1	2	3
	5	5	3	5	2	6	4	4	1	2	3	1	2	4	5
	16	5	4	3	4	4	4	2	4	4	3	6	4	4	3
	17	5	3	6	3	5	5	3	5	5	3	6	4	3	3
	Mean ±S.D.	4.3 1.5	3.3 0.5	4.3 1.5	3.0 0.8	4.3 1.7	4.3 0.5	3.0 0.8	3.0 1.8	3.5 1.3	2.8 0.5	4.0 2.4	2.8 1.5	3.3 1.0	3.5 1.0
2	6	3	5	6	6	6	5	5	4	3	3	2	3	6	7
	7	3	3	6	3	7	2	6	3	5	3	8	3	3	4
	8	3	2	4	1	5	4	5	4	4	4	4	5	7	7
	9	2	3	3	2	5	8	4	3	4	5	3	5	5	7
	10	4	4	6	4	3	7	5	6	5	6	3	5	5	6
Mean ±S.D.	3.0 0.7	3.4 1.1	5.0 1.4	3.2 1.9	5.2 1.5	5.2 2.4	5.0** 0.7	4.0 1.2	4.2 0.8	4.2* 1.3	4.0 2.3	4.2 1.1	5.2* 1.5	6.0* 1.4	
3	11	2	3	5	3	4	8	6	5	4	8	4	4	5	6
	12	3	3	5	2	4	3	4	5	5	7	4	4	3	3
	13	3	4	6	5	5	3	5	4	3	3	3	5	3	2
	14	4	6	7	5	5	7	6	5	7	6	3	4	4	4
	15	4	3	6	5	3	5	7	5	5	3	3	3	4	3
Mean ±S.D.	3.2 0.8	3.8 1.3	5.8* 0.8	4.0 1.4	4.2 0.8	5.2 2.3	5.6** 1.1	4.8 0.4	4.8 1.5	5.4* 2.3	3.4 0.5	4.0 0.7	3.8 0.8	3.6 1.5	

Note) VLDL-Cho : Very low density lipoprotein-Cholesterol

\* P&lt;0.05 , \*\* P&lt;0.01 : Significantly different from Group 1.

Table 6-30

Blood chemistry in male microminipigs

Study No. SBL703-023

Group	Animal No.	CM-Cho (mg/dL)													
		Pre	2w	4w	8w	12w	16w	20w	24w	28w	32w	36w	40w	44w	48w
1	1	2	1	1	1	1	1	1	1	1	0	2	0	1	0
	5	1	1	1	1	1	1	2	1	1	1	2	1	1	1
	16	1	1	2	1	1	1	1	1	1	0	3	2	1	1
	17	2	2	1	1	1	1	1	1	1	1	3	1	0	2
	Mean ±S.D.	1.5 0.6	1.3 0.5	1.3 0.5	1.0 0.0	1.0 0.0	1.0 0.0	1.3 0.5	1.0 0.0	1.0 0.0	1.0 0.0	0.5 0.6	2.5 0.6	1.0 0.8	0.8 0.5
2	6	1	1	1	3	2	0	1	1	1	1	1	1	1	1
	7	1	1	1	1	1	1	1	2	1	1	1	0	1	0
	8	1	0	1	1	1	1	2	2	0	0	1	1	1	1
	9	1	1	1	1	1	1	3	2	1	2	0	0	0	1
	10	1	0	1	3	2	1	1	1	2	1	1	1	1	1
Mean ±S.D.	1.0 0.0	0.6 0.5	1.0 0.0	1.8 1.1	1.4 0.5	0.8 0.4	1.6 0.9	1.6* 0.5	1.0 0.7	1.0 0.7	0.8** 0.4	0.6 0.5	1.0 0.0	0.8 0.5	
3	11	1	0	1	1	1	2	1	1	3	1	1	1	1	0
	12	1	0	2	0	2	0	0	0	2	2	0	1	1	1
	13	1	1	1	1	1	1	0	1	1	0	0	2	1	1
	14	1	2	2	2	0	0	0	0	2	0	2	1	0	1
	15	1	1	0	2	0	1	0	0	2	1	1	1	1	0
Mean ±S.D.	1.0 0.0	0.8 0.8	1.2 0.8	1.2 0.8	0.8 0.8	0.8 0.8	0.2** 0.4	0.4* 0.5	2.0* 0.7	0.8 0.8	0.8** 0.8	1.2 0.4	0.8 0.4	0.6 0.5	

Note) CM-Cho : Chylomicron-Cholesterol

\* P&lt;0.05 , \*\* P&lt;0.01 : Significantly different from Group 1.

Table 6-31 Blood chemistry in male microminipigs

Study No. SBL703-023

Group	Animal No.	HDL-TGL (%)													
		Pre	2w	4w	8w	12w	16w	20w	24w	28w	32w	36w	40w	44w	48w
1	1	33	52	47	28	30	8	10	6	19	31	18	12	8	12
	5	19	39	20	33	28	32	13	5	28	18	17	15	11	12
	16	33	12	27	16	21	26	29	11	14	17	13	30	22	17
	17	27	13	31	24	17	32	20	18	20	18	28	26	28	30
	Mean ±S.D.	28.0 6.6	29.0 19.8	31.3 11.4	25.3 7.2	24.0 6.1	24.5 11.4	18.0 8.4	10.0 5.9	20.3 5.8	21.0 6.7	19.0 6.4	20.8 8.6	17.3 9.4	17.8 8.5
2	6	29	41	19	29	32	15	31	16	23	15	16	12	15	12
	7	26	51	19	37	28	21	34	14	22	13	20	22	20	18
	8	27	29	31	33	41	32	37	36	31	33	31	26	16	12
	9	29	29	30	29	26	13	14	22	26	22	21	18	42	12
	10	25	27	25	19	28	11	17	12	22	8	21	20	13	12
Mean ±S.D.	27.2 1.8	35.4 10.3	24.8 5.8	29.4 6.7	31.0 6.0	18.4 8.5	26.6 10.4	20.0 9.7	24.8 3.8	18.2 9.7	21.8 5.5	19.6 5.2	21.2 11.9	13.5 3.0	
3	11	29	35	28	35	31	18	32	23	19	14	31	13	9	12
	12	21	41	26	25	37	29	41	25	36	15	19	15	12	15
	13	21	37	11	36	21	28	20	22	42	16	23	14	12	13
	14	24	36	16	30	27	13	35	34	33	11	27	23	20	12
	15	22	28	34	33	26	13	31	22	34	14	32	27	21	22
Mean ±S.D.	23.4 3.4	35.4 4.7	23.0 9.3	31.8 4.4	28.4 6.0	20.2 7.9	31.8* 7.7	25.2** 5.1	32.8* 8.5	14.0 1.9	26.4 5.5	18.4 6.2	14.8 5.4	14.8 4.2	

Note) HDL-TGL(%) : High density lipoprotein-Triglycerides ratio

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

Table 6-32

Blood chemistry in male microminipigs

Study No. SBL703-023

Group	Animal No.	LDL-TGL (%)													
		Pre	2w	4w	8w	12w	16w	20w	24w	28w	32w	36w	40w	44w	48w
1	1	33	20	24	38	32	27	27	22	38	27	38	34	36	22
	5	15	17	25	39	29	24	20	41	26	15	28	21	25	15
	16	22	19	20	17	18	24	19	20	24	40	41	30	34	40
	17	31	28	22	23	25	20	25	23	28	37	19	29	33	31
	Mean ±S.D.	25.3 8.3	21.0 4.8	22.8 2.2	29.3 11.0	26.0 6.1	23.8 2.9	22.8 3.9	26.5 9.7	29.0 6.2	29.8 11.3	31.5 10.0	28.5 5.4	32.0 4.8	27.0 10.9
2	6	33	30	32	30	31	18	28	23	32	29	29	21	35	18
	7	25	30	36	36	35	35	28	23	32	24	29	24	26	18
	8	22	33	26	32	29	33	28	25	30	33	31	29	31	21
	9	28	31	29	32	28	24	29	23	35	29	26	19	19	21
	10	27	31	34	39	36	30	33	22	35	25	25	26	14	19
Mean ±S.D.	27.0 4.1	31.0* 1.2	31.4** 4.0	33.8 3.6	31.8 3.6	28.0 7.0	29.2** 2.2	23.2 1.1	32.8 2.2	28.0 3.6	28.0 2.4	23.8 4.0	25.0 8.6	19.0 1.4	
3	11	31	28	31	25	27	30	30	23	31	30	26	31	21	21
	12	25	24	33	39	28	31	27	22	25	35	31	25	28	32
	13	28	30	35	27	29	33	28	32	22	33	30	23	33	27
	14	12	25	32	31	31	26	28	28	32	35	31	30	18	28
	15	21	30	17	31	33	34	26	23	24	35	25	21	19	20
Mean ±S.D.	23.4 7.4	27.4* 2.8	29.6 7.2	30.6 5.4	29.6 2.4	30.8** 3.1	27.8* 1.5	25.6 4.3	26.8 4.4	33.6 2.2	28.6 2.9	26.0 4.4	23.8* 6.5	25.6 5.0	

Note) LDL-TGL(%) : Low density lipoprotein-Triglycerides ratio

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

Table 6-33

Blood chemistry in male microminipigs

Study No. SBL703-023

Group	Animal No.	VLDL-TGL (%)													
		Pre	2w	4w	8w	12w	16w	20w	24w	28w	32w	36w	40w	44w	48w
1	1	20	15	23	25	23	62	56	71	34	36	30	48	47	59
	5	61	17	50	22	37	42	60	41	35	67	50	61	60	69
	16	36	69	48	61	54	43	49	64	54	37	40	30	37	32
	17	37	52	43	48	51	36	40	54	43	43	46	28	32	32
	Mean	38.5	38.3	41.0	39.0	41.3	45.8	51.3	57.5	41.5	45.8	41.5	41.8	44.0	48.0
±S.D.	16.9	26.6	12.4	18.7	14.2	11.3	8.8	13.0	9.3	14.5	8.7	15.7	12.4	18.9	
2	6	22	26	35	32	29	63	32	36	36	47	46	57	43	63
	7	35	17	32	22	27	35	29	30	37	53	39	44	45	54
	8	41	24	34	20	27	30	29	25	29	28	32	35	39	59
	9	26	28	33	22	26	54	46	46	24	44	47	57	23	59
	10	35	27	32	32	20	50	41	57	30	54	49	38	62	62
Mean	31.8	24.4	33.2	25.6	25.8	46.4	35.4*	38.8*	31.2*	45.2	42.6	46.2	42.4	59.5	
±S.D.	7.7	4.4	1.3	5.9	3.4	13.6	7.7	12.8	5.4	10.5	7.0	10.4	14.0	4.0	
3	11	26	25	28	30	24	32	25	42	26	46	33	44	49	54
	12	42	26	27	25	25	29	26	40	27	41	39	50	40	40
	13	40	26	35	30	40	29	41	36	25	38	34	49	39	48
	14	56	28	35	25	35	48	28	28	27	49	33	37	55	53
	15	51	26	34	20	34	44	35	46	36	46	39	49	48	51
Mean	43.0	26.2	31.8	26.0	31.6	36.4	31.0**	38.4*	28.2*	44.0	35.6	45.8	46.2	49.2	
±S.D.	11.5	1.1	4.0	4.2	6.9	9.0	6.8	6.8	4.4	4.4	3.1	5.4	6.7	5.6	

Note) VLDL-TGL(%): Very low density lipoprotein-Triglycerides ratio

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

Table 6-34

Blood chemistry in male microminipigs

Study No. SBL703-023

Group	Animal No.	CM-TGL (%)													
		Pre	2w	4w	8w	12w	16w	20w	24w	28w	32w	36w	40w	44w	48w
1	1	14	13	6	9	15	3	7	1	9	6	14	6	9	7
	5	5	27	5	6	6	2	7	13	11	0	5	3	4	4
	16	9	0	5	6	7	7	3	5	8	6	6	10	7	11
	17	5	7	4	5	7	12	15	5	9	2	7	17	7	7
	Mean ±S.D.	8.3 4.3	11.8 11.5	5.0 0.8	6.5 1.7	8.8 4.2	6.0 4.5	8.0 5.0	6.0 5.0	9.3 1.3	3.5 3.0	8.0 4.1	9.0 6.1	6.8 2.1	7.3 2.9
2	6	16	3	14	9	8	4	9	25	9	9	9	10	7	7
	7	14	2	13	5	10	9	9	33	9	10	12	10	9	10
	8	10	14	9	15	3	5	6	14	10	6	6	10	14	8
	9	17	12	8	17	20	9	11	9	15	5	6	6	16	8
	10	13	15	9	10	16	9	9	9	13	13	5	16	11	7
Mean ±S.D.	14.0* 2.7	9.2 6.2	10.6** 2.7	11.2 4.8	11.4 6.7	7.2 2.5	8.8 1.8	18.0* 10.6	11.2 2.7	8.6* 3.2	7.6 2.9	10.4 3.6	11.4* 3.6	8.0 1.4	
3	11	14	12	13	10	18	20	13	12	24	10	10	12	21	13
	12	12	9	14	11	10	11	6	13	12	9	11	10	20	13
	13	11	7	19	7	10	10	11	10	11	13	13	14	16	12
	14	8	11	17	14	7	13	9	10	8	5	9	10	7	7
	15	6	16	15	16	7	9	8	9	6	5	4	3	12	7
Mean ±S.D.	10.2 3.2	11.0 3.4	15.6** 2.4	11.6* 3.5	10.4 4.5	12.6* 4.4	9.4 2.7	10.8 1.6	12.2 7.0	8.4* 3.4	9.4 3.4	9.8 4.1	15.2* 5.8	10.4 3.1	

Note) CM-TGL(%) : Chylomicron-Triglycerides ratio

\* P&lt;0.05 , \*\* P&lt;0.01 : Significantly different from Group 1.



Table 6-35

Blood chemistry in male microminipigs

Study No. SBL703-023

Group	Animal No.	HDL-TGL (mg/dL)													
		Pre	2w	4w	8w	12w	16w	20w	24w	28w	32w	36w	40w	44w	48w
1	1	9	7	12	10	7	2	3	2	3	6	2	3	2	4
	5	10	7	9	9	8	15	6	1	7	6	5	7	6	7
	16	10	5	8	5	9	8	8	4	5	3	4	6	4	4
	17	6	3	8	6	5	6	7	8	4	3	10	5	4	4
	Mean	8.8	5.5	9.3	7.5	7.3	7.8	6.0	3.8	4.8	4.5	5.3	5.3	4.0	4.8
	±S.D.	1.9	1.9	1.9	2.4	1.7	5.4	2.2	3.1	1.7	1.7	3.4	1.7	1.6	1.5
2	6	7	9	6	10	9	9	7	5	6	4	5	5	3	6
	7	10	7	5	9	9	4	7	3	6	5	4	6	5	7
	8	9	3	6	4	5	4	5	5	6	4	5	4	3	4
	9	7	3	8	6	6	5	4	5	6	6	6	8	6	4
	10	13	5	8	6	6	4	7	4	8	3	5	4	7	6
	Mean	9.2	5.4	6.6*	7.0	7.0	5.2	6.0	4.4	6.4	4.4	5.0	5.4	4.8	5.8
	±S.D.	2.5	2.6	1.3	2.4	1.9	2.2	1.4	0.9	0.9	1.1	0.7	1.7	1.8	1.3
3	11	9	5	11	9	11	6	8	8	15	3	7	3	4	5
	12	9	5	9	9	7	5	10	8	9	3	6	6	4	4
	13	10	5	6	10	6	6	9	4	14	4	6	7	4	5
	14	10	5	4	7	6	4	6	7	7	3	6	6	9	4
	15	7	7	10	8	6	4	8	7	6	3	6	7	6	7
	Mean	9.0	5.4	8.0	8.6	7.2	5.0	8.2	6.8*	10.2*	3.2	6.2	5.8	5.4	5.0
	±S.D.	1.2	0.9	2.9	1.1	2.2	1.0	1.5	1.6	4.1	0.4	0.4	1.6	2.2	1.2

Note) HDL-TGL : High density lipoprotein-Triglycerides

\* P&lt;0.05 : Significantly different from Group 1.

Table 6-36

Blood chemistry in male microminipigs

Study No. SBL703-023

Group	Animal No.	LDL-TGL (mg/dL)													
		Pre	2w	4w	8w	12w	16w	20w	24w	28w	32w	36w	40w	44w	48w
1	1	9	3	6	13	7	8	8	8	6	5	5	9	10	7
	5	8	3	12	10	8	11	10	8	6	5	8	10	13	9
	16	6	8	6	5	7	7	6	8	9	7	12	6	6	9
	17	7	7	6	6	8	4	8	10	6	7	7	6	5	4
	Mean	7.5	5.3	7.5	8.5	7.5	7.5	8.0	8.5	6.8	6.0	8.0	7.8	8.5	7.3
±S.D.	1.3	2.6	3.0	3.7	0.6	2.9	1.6	1.0	1.5	1.2	2.9	2.1	3.7	2.4	
2	6	8	6	11	10	9	11	7	7	9	8	9	8	8	9
	7	10	4	10	9	12	7	6	5	9	9	6	7	7	7
	8	7	3	5	4	4	4	4	4	5	4	5	4	6	8
	9	7	3	8	6	6	9	8	5	8	7	7	9	3	8
	10	14	6	11	12	8	10	13	8	13	10	6	5	7	10
Mean	9.2	4.4	9.0	8.2	7.8	8.2	7.6	5.8*	8.8	7.6	6.6	6.6	6.2	8.5	
±S.D.	2.9	1.5	2.5	3.2	3.0	2.8	3.4	1.6	2.9	2.3	1.5	2.1	1.9	1.3	
3	11	10	4	12	7	10	10	8	8	24	7	5	7	9	8
	12	10	3	11	14	5	6	7	7	6	7	11	9	9	9
	13	14	4	18	8	8	7	13	6	7	8	8	11	11	10
	14	5	4	8	7	7	8	4	6	7	8	7	8	8	10
	15	7	8	5	7	8	11	7	7	4	7	5	5	5	7
Mean	9.2	4.6	10.8	8.6	7.6	8.4	7.8	6.8*	9.6	7.4*	7.2	8.0	8.4	8.8	
±S.D.	3.4	1.9	4.9	3.0	1.8	2.1	3.3	0.8	8.1	0.5	2.5	2.2	2.2	1.3	

Note) LDL-TGL : Low density lipoprotein-Triglycerides

\* P<0.05 : Significantly different from Group 1.

Table 6-37

Blood chemistry in male microminipigs

Study No. SBL703-023

Group	Animal No.	VLDL-TGL (mg/dL)													
		Pre	2w	4w	8w	12w	16w	20w	24w	28w	32w	36w	40w	44w	48w
1	1	6	2	6	8	5	17	17	26	5	6	4	13	13	18
	5	32	3	23	6	10	19	29	8	9	23	14	29	32	41
	16	10	28	14	20	22	13	14	25	21	7	12	6	7	7
	17	8	12	11	12	16	7	13	23	9	8	17	6	4	4
	Mean ±S.D.	14.0 12.1	11.3 12.0	13.5 7.1	11.5 6.2	13.3 7.4	14.0 5.3	18.3 7.4	20.5 8.4	11.0 6.9	11.0 8.0	11.8 5.6	13.5 10.8	14.0 12.6	17.5 16.8
2	6	5	5	12	11	8	38	8	10	10	13	14	22	9	32
	7	14	2	9	6	9	7	6	6	11	20	7	12	12	20
	8	14	2	7	3	4	4	4	4	5	3	5	5	7	
	9	6	3	9	4	6	20	12	10	6	11	13	27	3	22
	10	19	5	11	10	4	16	16	21	11	23	11	7	32	32
Mean ±S.D.	11.6 5.9	3.4 1.5	9.6 1.9	6.8 3.6	6.2 2.3	17.0 13.4	9.2* 4.8	10.2* 6.6	8.6 2.9	14.0 7.9	10.0 3.9	14.6 9.6	12.6 11.3	26.5 6.4	
3	11	8	3	11	8	9	11	6	14	20	11	7	11	22	21
	12	18	3	9	9	5	5	6	12	7	8	13	18	13	12
	13	20	3	18	9	11	6	19	6	8	9	8	24	12	18
	14	24	4	9	6	8	15	4	6	6	11	7	9	24	18
	15	16	7	10	5	8	14	9	14	6	9	8	13	13	17
Mean ±S.D.	17.2 5.9	4.0 1.7	11.4 3.8	7.4 1.8	8.2 2.2	10.2 4.5	8.8* 6.0	10.4* 4.1	9.4 6.0	9.6 1.3	8.6 2.5	15.0 6.0	16.8 5.7	17.2 3.3	

Note) VLDL-TGL : Very low density lipoprotein-Triglycerides

\* P&lt;0.05 : Significantly different from Group 1.

Table 6-38

Blood chemistry in male microminipigs

Study No. SBL703-023

Group	Animal No.	CM-TGL (mg/dL)													
		Pre	2w	4w	8w	12w	16w	20w	24w	28w	32w	36w	40w	44w	48w
1	1	4	2	2	3	3	1	2	0	1	1	2	2	2	2
	5	3	5	2	2	2	1	3	2	3	0	1	1	2	2
	16	3	0	2	2	3	2	1	2	3	1	2	2	1	2
	17	1	2	1	1	2	2	5	2	2	0	3	3	1	1
	Mean ±S.D.	2.8 1.3	2.3 2.1	1.8 0.5	2.0 0.8	2.5 0.6	1.5 0.6	2.8 1.7	1.5 1.0	2.3 1.0	0.5 0.6	2.0 0.8	2.0 0.8	1.5 0.6	1.8 0.5
2	6	4	1	5	3	2	2	2	7	3	3	3	4	2	4
	7	5	0	4	1	3	2	2	7	3	4	2	3	2	4
	8	3	1	2	2	0	1	1	2	2	1	1	1	3	3
	9	4	1	2	3	5	3	3	2	3	1	2	3	2	3
	10	7	3	3	3	4	3	4	3	5	5	1	3	6	4
Mean ±S.D.	4.6* 1.5	1.2 1.1	3.2* 1.3	2.4 0.9	2.8 1.9	2.2 0.8	2.4 1.1	4.2* 2.6	3.2 1.1	2.8* 1.8	1.8 0.8	2.8 1.1	3.0 1.7	3.8** 0.5	
3	11	4	2	5	3	7	7	3	4	18	2	2	3	9	5
	12	5	1	5	4	2	2	2	4	3	2	4	4	7	4
	13	5	1	10	2	3	2	5	2	4	3	3	7	5	4
	14	3	2	4	3	2	4	1	2	2	1	2	2	3	2
	15	2	4	4	4	2	3	2	3	1	1	1	1	3	2
Mean ±S.D.	3.8 1.3	2.0 1.2	5.6* 2.5	3.2* 0.8	3.2 2.2	3.6* 2.1	2.6 1.5	3.0* 1.0	5.6 7.0	1.8* 0.8	2.4 1.1	3.4 2.3	5.4* 2.6	3.4* 1.3	

Note) CM-TGL : Chylomicron-Triglycerides

\* P&lt;0.05 , \*\* P&lt;0.01 : Significantly different from Group 1.