

Table 4-6 Blood chemistry in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	CK (IU/L)						
		-7	15	28	42	56	75	83
1	1	1008	223	260	861	310	362	830
	2	1884	353	290	519	291	306	1317
	3	761	320	347	230	236	283	548
	4	2058	601	645	510	491	383	2138
	5	950	632	574	1178	430	865	533
	6	1916	428	251	768	297	682	877
	Mean ±S.D.	1429.5 581.8	426.2 161.8	394.5 171.4	677.7 330.4	342.5 96.8	480.2 237.3	1040.5 608.6
2	7	897	334	288	376	272	492	332
	8	797	406	390	714	222	641	510
	9	591	229	161	292	301	364	907
	10	1283	283	234	537	225	299	424
	11	925	418	266	360	401	378	376
	12	1654	339	333	745	263	326	415
	Mean ±S.D.	1024.5 381.8	334.8 72.0	278.7 79.3	504.0 192.5	280.7 66.1	416.7 128.3	494.0* 210.8
3	13	1051	682	385	408	452	668	634
	14	2518	541	284	729	241	1373	3033
	15	1223	393	229	217	255	343	715
	16	640	352	300	617	347	817	579
	17	2581	1465	219	993	240	1011	890
	18	887	336	276	657	329	2157	669
	Mean ±S.D.	1483.3 848.2	628.2 430.7	282.2 59.6	603.5 267.6	310.7 83.2	1061.5* 637.3#	1086.7 959.4

Note) CK : Creatine kinase

* P<0.05 : Significantly different from group 1.

P<0.05 : Significantly different from group 2.

Table 4-7 Blood chemistry in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	Amylase (IU/L)						
		-7	15	28	42	56	75	83
1	1	3860	4410	4497	4248	4566	4122	4211
	2	4398	4980	5179	5082	3855	4728	5007
	3	3848	4778	5177	4620	4729	4794	4573
	4	4476	5018	5185	5462	5195	4645	4511
	5	3263	3812	3815	3766	3703	3767	3566
	6	4088	4203	3855	4116	4101	4264	3663
	Mean ±S.D.	3988.8 442.2	4533.5 477.3	4618.0 661.9	4549.0 634.6	4358.2 570.9	4386.7 404.5	4255.2 558.4
2	7	4438	4980	5024	5444	4978	4373	4376
	8	3699	3751	4092	3884	3674	3886	3309
	9	3073	3211	3466	3295	3553	3554	3198
	10	3787	3996	4074	4499	4709	4336	3981
	11	3811	3696	4140	3830	3858	3890	3718
	12	3741	4096	4143	4162	3994	4021	3926
	Mean ±S.D.	3758.2 433.4	3955.0* 589.0	4156.5 498.2	4185.7 733.9	4127.7 581.0	4010.0* 308.5	3751.3 441.9
3	13	4781	4218	4604	4619	4528	4433	4220
	14	4898	5240	5002	5305	5483	4875	4172
	15	3952	3845	4161	4379	4678	4390	4446
	16	6227	5920	6322	6803	6633	6529	5353
	17	3743	3752	4116	4226	4523	4173	3702
	18	3071	3117	3470	3398	3427	3371	3339
	Mean ±S.D.	4445.3 1106.1	4348.7 1039.9	4612.5 982.8	4788.3 1163.7	4878.7 1080.7	4628.5 1054.2	4205.3 690.0

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

Table 4-8 Blood chemistry in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	T-Bil (mg/dL)						
		-7	15	28	42	56	75	83
1	1	0.00	0.01	0.01	0.00	0.00	0.00	0.02
	2	0.02	0.02	0.00	0.02	0.00	0.00	0.02
	3	0.04	0.00	0.01	0.01	0.01	0.01	0.00
	4	0.02	0.01	0.01	0.02	0.00	0.01	0.00
	5	0.14	0.03	0.03	0.00	0.03	0.01	0.03
	6	0.00	0.00	0.03	0.03	0.00	0.01	0.06
	Mean	0.037	0.012	0.015	0.013	0.007	0.007	0.022
±S.D.	0.053	0.012	0.012	0.012	0.012	0.005	0.022	
2	7	0.02	0.01	0.03	0.01	0.00	0.00	0.07
	8	0.01	0.00	0.02	0.05	0.01	0.01	0.03
	9	0.00	0.00	0.05	0.00	0.00	0.00	0.00
	10	0.00	0.01	0.03	0.00	0.00	0.00	0.00
	11	0.08	0.05	0.07	0.07	0.03	0.02	0.00
	12	0.01	0.04	0.03	0.02	0.01	0.00	0.03
	Mean	0.020	0.018	0.038*	0.025	0.008	0.005	0.022
±S.D.	0.030	0.021	0.018	0.029	0.012	0.008	0.028	
3	13	0.06	0.06	0.03	0.00	0.00	0.00	0.00
	14	0.01	0.02	0.00	0.02	0.00	0.00	0.00
	15	0.00	0.00	0.03	0.01	0.02	0.02	0.00
	16	0.00	0.03	0.05	0.03	0.06	0.00	0.00
	17	0.00	0.04	0.05	0.03	0.00	0.01	0.00
	18	0.03	0.01	0.03	0.00	0.00	0.00	0.00
	Mean	0.017	0.027	0.032*	0.015	0.013	0.005	0.000*
±S.D.	0.024	0.022	0.018	0.014	0.024	0.008	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. SBL703-024

Group	Animal No.\Day	D-Bil (mg/dL)						
		-7	15	28	42	56	75	83
1	1	0.02	0.01	0.01	0.01	0.01	0.02	0.03
	2	0.04	0.02	0.01	0.01	0.01	0.00	0.03
	3	0.05	0.02	0.02	0.01	0.02	0.01	0.02
	4	0.04	0.01	0.03	0.02	0.02	0.01	0.01
	5	0.11	0.02	0.04	0.02	0.03	0.02	0.03
	6	0.02	0.01	0.03	0.03	0.00	0.01	0.05
	Mean	0.047	0.015	0.023	0.017	0.015	0.012	0.028
	±S.D.	0.033	0.005	0.012	0.008	0.010	0.008	0.013
2	7	0.04	0.02	0.02	0.01	0.02	0.01	0.05
	8	0.03	0.02	0.03	0.03	0.02	0.01	0.03
	9	0.02	0.02	0.05	0.01	0.01	0.01	0.02
	10	0.02	0.01	0.03	0.01	0.01	0.01	0.01
	11	0.08	0.04	0.04	0.04	0.03	0.02	0.02
	12	0.03	0.03	0.03	0.02	0.02	0.01	0.03
	Mean	0.037	0.023	0.033	0.020	0.018	0.012	0.027
	±S.D.	0.023	0.010	0.010	0.013	0.008	0.004	0.014
3	13	0.05	0.04	0.02	0.01	0.01	0.02	0.02
	14	0.03	0.02	0.02	0.02	0.02	0.01	0.02
	15	0.01	0.00	0.04	0.02	0.03	0.02	0.02
	16	0.02	0.03	0.04	0.03	0.04	0.01	0.02
	17	0.02	0.03	0.03	0.02	0.00	0.01	0.01
	18	0.04	0.01	0.02	0.01	0.01	0.01	0.01
	Mean	0.028	0.022	0.028	0.018	0.018	0.013	0.017*
	±S.D.	0.015	0.015	0.010	0.008	0.015	0.005	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. SBL703-024

Group	Animal No.\Day	TP (g/dL)						
		-7	15	28	42	56	75	83
1	1	6.1	6.8	7.0	6.5	6.9	6.3	6.6
	2	7.0	7.9	8.4	7.9	7.3	8.1	8.4
	3	6.3	7.6	7.9	7.1	7.2	7.7	7.2
	4	6.5	7.7	7.6	7.8	8.1	7.3	7.5
	5	6.5	7.3	7.0	6.7	6.6	6.9	6.4
	6	6.6	7.2	6.7	7.1	7.2	6.9	6.5
	Mean ±S.D.	6.50 0.30	7.42 0.40	7.43 0.65	7.18 0.57	7.22 0.50	7.20 0.64	7.10 0.77
2	7	6.5	6.8	6.5	6.6	6.7	6.3	6.4
	8	6.4	7.1	7.3	6.5	6.5	6.4	5.9
	9	6.0	6.3	6.8	6.4	7.2	6.7	6.2
	10	6.7	6.9	6.6	6.7	7.2	6.9	6.2
	11	6.7	7.5	8.0	7.6	7.9	7.7	7.8
	12	6.2	7.2	6.7	6.6	7.0	6.8	6.7
	Mean ±S.D.	6.42 0.28	6.97* 0.41	6.98 0.57	6.73 0.44	7.08 0.49	6.80 0.50	6.53 0.67
3	13	6.8	6.7	7.2	6.7	7.2	7.0	6.7
	14	6.3	7.1	6.4	6.5	6.9	6.8	7.0
	15	6.4	6.0	6.2	6.4	6.6	6.1	6.4
	16	6.3	6.4	6.6	6.7	6.5	7.0	6.2
	17	6.2	6.0	6.2	6.1	6.8	6.2	6.2
	18	6.1	6.3	6.3	6.1	6.1	6.3	6.3
	Mean ±S.D.	6.35 0.24	6.42** 0.43#	6.48** 0.38	6.42** 0.27	6.68* 0.38	6.57* 0.41	6.47 0.32

Note) TP : Total protein

* P<0.05 , ** P<0.01 : Significantly different from group 1.
P<0.05 : Significantly different from group 2.

Table 4-11 Blood chemistry in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	Albumin (g/dL)						
		-7	15	28	42	56	75	83
1	1	4.3	4.9	5.2	4.9	5.2	4.8	5.1
	2	4.9	5.7	5.9	5.6	4.4	4.9	5.3
	3	4.8	5.5	5.6	5.0	5.2	5.6	5.3
	4	4.4	5.0	4.9	5.0	4.8	4.4	4.6
	5	4.6	5.0	4.9	4.6	4.6	4.7	4.5
	6	4.7	4.9	4.5	4.8	4.9	4.7	4.5
	Mean ±S.D.	4.62 0.23	5.17 0.34	5.17 0.51	4.98 0.34	4.85 0.32	4.85 0.40	4.88 0.39
2	7	4.1	4.5	4.3	4.5	4.7	4.4	4.6
	8	4.9	5.0	5.3	4.7	4.5	4.5	4.1
	9	4.5	4.4	4.7	4.4	4.9	4.6	4.3
	10	5.0	4.8	4.7	4.7	4.9	4.8	4.5
	11	4.4	4.6	5.0	4.7	4.8	4.7	4.7
	12	4.7	5.1	4.6	4.2	4.3	4.3	4.3
	Mean ±S.D.	4.60 0.33	4.73* 0.28	4.77 0.34	4.53** 0.21	4.68 0.24	4.55 0.19	4.42* 0.22
3	13	4.7	4.6	4.9	4.3	4.6	4.5	4.4
	14	4.8	5.3	4.7	4.6	4.8	4.8	4.6
	15	5.0	4.4	4.4	4.4	4.4	4.0	4.3
	16	4.8	4.4	4.6	4.7	4.5	4.8	4.4
	17	4.7	4.1	4.2	4.1	4.5	4.2	4.4
	18	4.8	4.7	4.7	4.5	4.5	4.6	4.7
	Mean ±S.D.	4.80 0.11	4.58* 0.41	4.58* 0.25	4.43** 0.22	4.55* 0.14	4.48 0.33	4.47* 0.15

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

Table 4-12 Blood chemistry in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	TG (mg/dL)						
		-7	15	28	42	56	75	83
1	1	21	29	36	32	48	25	35
	2	18	33	39	40	20	34	39
	3	11	19	36	37	41	44	46
	4	17	20	21	26	28	18	24
	5	12	58	45	49	76	75	50
	6	21	38	52	26	39	41	43
	Mean ±S.D.	16.7 4.3	32.8 14.4	38.2 10.4	35.0 8.9	42.0 19.4	39.5 19.9	39.5 9.2
2	7	13	18	21	29	49	38	37
	8	21	29	46	43	40	44	20
	9	20	64	25	32	51	28	51
	10	18	28	37	33	40	39	36
	11	14	37	60	32	63	34	56
	12	19	24	39	61	37	27	30
	Mean ±S.D.	17.5 3.3	33.3 16.3	38.0 14.2	38.3 12.1	46.7 9.7	35.0 6.6	38.3 13.3
3	13	15	17	25	26	51	30	34
	14	34	38	50	62	52	36	34
	15	25	55	37	53	43	58	36
	16	18	21	37	35	52	31	34
	17	20	23	30	29	74	50	53
	18	15	20	29	38	41	32	50
	Mean ±S.D.	21.2 7.3	29.0 14.7	34.7 8.9	40.5 14.1	52.2 11.7	39.5 11.7	40.2 8.9

Note) TG : Triglyceride

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

Table 4-13 Blood chemistry in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	T-cho (mg/dL)						
		-7	15	28	42	56	75	83
1	1	70	61	52	54	65	67	67
	2	59	63	72	65	70	68	67
	3	56	75	84	65	69	77	80
	4	50	56	52	55	57	55	51
	5	67	74	70	72	72	78	71
	6	98	118	100	91	101	105	101
	Mean ±S.D.	66.7 17.0	74.5 22.6	71.7 18.6	67.0 13.6	72.3 15.0	75.0 16.9	72.8 16.7
2	7	69	138	136	135	145	123	119
	8	67	184	179	137	121	131	104
	9	58	118	122	86	84	77	79
	10	70	125	127	133	140	119	116
	11	55	141	135	115	125	118	106
	12	56	166	162	160	159	136	137
	Mean ±S.D.	62.5 6.9	145.3** 25.1	143.5** 22.2	127.7** 24.9	129.0** 26.0	117.3** 21.0	110.2** 19.3
3	13	79	133	150	114	125	111	103
	14	56	113	110	118	120	108	95
	15	72	93	106	91	91	90	79
	16	58	103	102	103	98	100	88
	17	57	112	130	126	110	113	107
	18	52	113	109	102	105	101	94
	Mean ±S.D.	62.3 10.6	111.2** 13.3###	117.8** 18.5#	109.0** 12.7	108.2** 12.9	103.8** 8.6	94.3* 10.1

Note) T-cho : Total cholesterol

* P<0.05 , ** P<0.01 : Significantly different from group 1.
 # P<0.05 , ## P<0.01 : Significantly different from group 2.

Table 4-14 Blood chemistry in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	F-cho (mg/dL)						
		-7	15	28	42	56	75	83
1	1	17	15	13	13	15	15	15
	2	14	15	17	15	17	16	16
	3	14	17	19	15	16	17	18
	4	13	13	12	13	13	12	12
	5	17	18	16	17	17	18	17
	6	23	26	23	21	23	23	23
	Mean ±S.D.	16.3 3.7	17.3 4.6	16.7 4.0	15.7 3.0	16.8 3.4	16.8 3.7	16.8 3.7
2	7	16	30	31	31	31	26	25
	8	16	43	41	33	27	29	22
	9	14	27	27	19	17	15	17
	10	16	27	27	29	30	26	25
	11	15	34	32	29	31	27	25
	12	15	38	35	37	36	32	32
	Mean ±S.D.	15.3 0.8	33.2** 6.4	32.2** 5.3	29.7** 6.0	28.7** 6.4	25.8** 5.8	24.3** 4.9
3	13	19	31	33	25	28	24	22
	14	14	25	24	27	28	24	21
	15	16	21	22	20	19	19	16
	16	14	23	23	24	22	22	20
	17	14	26	29	28	25	25	24
	18	12	26	24	23	23	21	21
	Mean ±S.D.	14.8 2.4	25.3** 3.4#	25.8** 4.3#	24.5** 2.9#	24.2** 3.5	22.5** 2.3	20.7* 2.7

Note) F-cho : Free cholesterol

* P<0.05 , ** P<0.01 : Significantly different from group 1.
P<0.05 : Significantly different from group 2.

Table 4-15 Blood chemistry in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	Glucose (mg/dL)						
		-7	15	28	42	56	75	83
1	1	123	95	103	113	99	92	108
	2	148	109	101	107	117	95	105
	3	143	100	82	88	89	81	92
	4	105	78	77	87	89	79	100
	5	96	92	91	130	105	100	88
	6	137	115	82	95	90	78	84
	Mean ±S.D.	125.3 21.2	98.2 13.1	89.3 10.8	103.3 16.7	98.2 11.3	87.5 9.4	96.2 9.6
2	7	68	77	79	104	120	88	81
	8	151	86	95	119	98	98	88
	9	169	83	86	152	101	89	144
	10	124	89	84	109	92	80	159
	11	101	120	84	128	139	85	96
	12	160	86	90	163	112	99	91
	Mean ±S.D.	128.8 38.9	90.2 15.2	86.3 5.5	129.2* 23.7	110.3 17.3	89.8 7.4	109.8 33.0
3	13	137	76	86	113	88	84	103
	14	119	99	85	133	90	99	122
	15	105	88	86	91	85	82	100
	16	88	70	92	98	92	93	167
	17	196	92	90	93	91	94	102
	18	155	85	81	111	98	83	123
	Mean ±S.D.	133.3 38.7	85.0* 10.6	86.7 3.9	106.5 15.9#	90.7 4.4#	89.2 7.1	119.5* 25.4

* P<0.05 : Significantly different from group 1.

P<0.05 : Significantly different from group 2.

Table 4-16 Blood chemistry in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	UN (mg/dL)						
		-7	15	28	42	56	75	83
1	1	9.4	10.6	13.2	12.9	15.0	13.6	12.3
	2	10.5	14.9	16.2	14.6	12.2	14.7	15.4
	3	14.4	13.9	14.6	12.3	13.0	14.0	11.8
	4	9.3	9.6	9.1	9.6	8.9	8.3	8.1
	5	6.0	9.7	8.9	9.0	9.0	9.0	8.9
	6	12.6	14.6	10.3	11.4	11.5	11.8	9.3
	Mean ±S.D.	10.37 2.91	12.22 2.51	12.05 3.06	11.63 2.10	11.60 2.36	11.90 2.70	10.97 2.73
2	7	10.1	9.6	9.1	10.3	9.3	8.0	6.7
	8	10.4	10.0	7.6	7.2	6.5	6.6	5.9
	9	9.0	8.4	7.6	6.2	8.4	5.5	7.2
	10	9.5	7.8	6.7	5.1	7.2	5.0	6.4
	11	12.0	7.1	7.5	7.5	8.6	6.2	5.3
	12	10.6	11.0	9.0	8.9	7.8	6.1	6.6
	Mean ±S.D.	10.27 1.03	8.98* 1.47	7.92** 0.94	7.53** 1.86	7.97** 1.01	6.23** 1.03	6.35** 0.67
3	13	8.1	8.0	6.7	7.3	7.3	5.8	6.6
	14	13.1	8.7	7.6	8.0	7.6	6.6	8.1
	15	8.0	5.7	6.0	5.0	5.8	5.9	6.5
	16	11.4	10.9	8.9	7.9	8.6	6.5	6.5
	17	10.1	11.1	9.7	8.1	9.0	8.3	6.4
	18	12.8	10.0	7.5	7.8	7.2	8.0	7.9
	Mean ±S.D.	10.58 2.24	9.07* 2.05	7.73** 1.37	7.35** 1.18	7.58** 1.14	6.85** 1.06	7.00** 0.78

Note) UN : Urea nitrogen

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

Table 4-17 Blood chemistry in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	Cre (mg/dL)						
		-7	15	28	42	56	75	83
1	1	0.85	0.79	0.81	0.84	0.86	0.87	0.95
	2	1.06	0.97	1.00	1.04	0.87	1.08	1.24
	3	1.03	0.83	0.83	0.83	0.80	0.86	0.95
	4	0.80	0.78	0.76	0.84	0.81	0.79	0.85
	5	0.69	0.79	0.76	0.83	0.84	1.00	1.00
	6	0.99	0.86	0.80	0.96	0.94	0.97	0.95
	Mean	0.903	0.837	0.827	0.890	0.853	0.928	0.990
	±S.D.	0.146	0.072	0.089	0.089	0.050	0.107	0.132
2	7	0.89	0.95	0.90	1.00	1.00	0.96	0.96
	8	1.07	1.02	0.93	0.97	0.86	0.96	0.90
	9	0.98	0.87	0.85	0.88	0.92	1.01	0.94
	10	0.99	0.86	0.80	0.90	0.91	0.92	0.98
	11	0.69	0.67	0.68	0.74	0.75	0.77	0.83
	12	1.06	0.89	0.81	0.98	0.91	0.99	1.14
	Mean	0.947	0.877	0.828	0.912	0.892	0.935	0.958
	±S.D.	0.142	0.118	0.088	0.096	0.083	0.086	0.104
3	13	1.05	0.99	0.91	0.94	0.91	1.00	1.04
	14	0.91	0.95	0.82	0.93	0.85	0.86	0.83
	15	0.90	0.81	0.80	0.81	0.86	0.91	0.98
	16	0.96	0.92	0.88	0.96	0.97	0.99	1.15
	17	1.15	1.00	0.86	0.90	0.93	0.98	0.99
	18	0.91	0.85	0.80	0.83	0.85	0.87	1.00
	Mean	0.980	0.920*	0.845	0.895	0.895	0.935	0.998
	±S.D.	0.100	0.076	0.045	0.062	0.050	0.063	0.103

Note) Cre : Creatinine

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

Table 4-18 Blood chemistry in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	IP (mg/dL)						
		-7	15	28	42	56	75	83
1	1	7.01	7.15	6.95	6.45	6.87	6.70	6.86
	2	6.84	6.77	7.14	6.12	6.52	6.52	7.42
	3	6.25	6.80	6.82	6.80	6.84	7.18	7.03
	4	8.21	7.25	7.83	7.49	7.84	7.54	7.71
	5	6.76	7.26	8.06	7.64	7.30	7.17	6.94
	6	9.42	7.47	7.32	6.29	8.40	7.99	6.97
	Mean ±S.D.	7.415 1.178	7.117 0.277	7.353 0.494	6.798 0.637	7.295 0.708	7.183 0.539	7.155 0.335
2	7	7.17	7.20	8.03	7.66	7.88	7.71	7.61
	8	7.44	7.05	8.71	7.04	7.92	7.96	6.64
	9	6.81	6.67	8.01	7.10	8.28	7.83	6.98
	10	6.94	7.42	7.96	8.72	8.58	7.70	8.19
	11	6.22	6.55	7.52	7.08	7.21	7.41	8.12
	12	7.68	7.37	7.70	6.67	7.40	7.28	7.05
	Mean ±S.D.	7.043 0.514	7.043 0.362	7.988* 0.407	7.378 0.730	7.878 0.516	7.648* 0.257	7.432 0.641
3	13	8.01	6.59	8.19	7.69	8.81	8.15	8.30
	14	6.18	6.15	7.17	6.37	7.37	6.21	7.24
	15	8.00	7.17	7.80	7.91	7.83	7.17	7.22
	16	7.35	6.66	7.66	7.16	7.34	8.35	8.56
	17	9.15	6.44	7.47	7.12	7.84	6.84	7.50
	18	7.49	6.71	7.62	7.14	7.60	7.57	7.51
	Mean ±S.D.	7.697 0.976	6.620** 0.337#	7.652 0.340	7.232 0.536	7.798 0.540	7.382 0.809	7.722* 0.568

Note) IP : Inorganic phosphorus

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

P<0.05 : Significantly different from group 2.

Table 4-19 Blood chemistry in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	Ca (mg/dL)						
		-7	15	28	42	56	75	83
1	1	10.1	11.3	10.9	10.3	11.0	10.8	10.6
	2	10.2	11.7	12.1	11.3	10.1	11.3	10.8
	3	9.8	11.1	11.2	10.4	10.3	11.5	10.7
	4	9.8	11.2	10.9	10.6	11.1	10.9	10.2
	5	9.7	11.1	10.9	10.1	10.1	10.5	9.9
	6	10.5	11.2	10.8	10.5	11.2	11.1	10.3
	Mean ±S.D.	10.02 0.31	11.27 0.23	11.13 0.49	10.53 0.41	10.63 0.52	11.02 0.36	10.42 0.34
2	7	9.7	10.2	10.5	10.5	7.3	10.2	10.3
	8	10.4	11.2	11.4	10.4	10.9	11.1	10.1
	9	10.2	10.8	11.3	10.6	11.6	11.6	10.1
	10	10.2	11.3	11.2	11.0	12.0	11.6	9.9
	11	9.7	10.4	11.1	10.2	10.3	10.8	10.9
	12	10.0	11.4	11.0	10.8	10.8	10.5	10.5
	Mean ±S.D.	10.03 0.29	10.88 0.50	11.08 0.32	10.58 0.29	10.48 1.67	10.97 0.58	10.30 0.36
3	13	10.8	11.3	11.6	10.6	11.3	11.6	10.7
	14	10.2	10.7	10.7	10.6	11.0	10.8	10.3
	15	10.6	10.1	10.3	10.3	10.3	10.6	10.3
	16	9.7	10.3	10.6	10.5	10.3	11.1	9.8
	17	9.9	10.5	10.6	10.4	11.0	10.7	10.4
	18	10.0	10.2	10.5	10.4	10.4	10.8	10.1
	Mean ±S.D.	10.20 0.42	10.52** 0.44	10.72 0.45	10.47 0.12	10.72 0.44	10.93 0.37	10.27 0.30

Note) Ca : Calcium

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

Table 4-20 Blood chemistry in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	Na (mEq/L)						
		-7	15	28	42	56	75	83
1	1	140	147	142	141	144	145	146
	2	144	143	146	146	143	146	145
	3	139	143	148	148	147	152	146
	4	141	147	144	146	147	146	143
	5	128	139	138	135	137	140	138
	6	147	146	142	144	150	151	147
	Mean ±S.D.	139.8 6.5	144.2 3.1	143.3 3.5	143.3 4.7	144.7 4.5	146.7 4.4	144.2 3.3
2	7	141	144	145	144	145	144	145
	8	143	146	147	143	146	149	144
	9	137	145	151	144	151	155	143
	10	143	146	145	151	156	151	143
	11	127	125	135	137	131	141	143
	12	142	150	145	145	143	146	146
	Mean ±S.D.	138.8 6.2	142.7 8.9	144.7 5.3	144.0 4.5	145.3 8.5	147.7 5.0	144.0 1.3
3	13	145	149	151	145	148	151	147
	14	131	148	145	145	148	147	142
	15	145	143	144	146	144	147	145
	16	137	144	141	145	145	148	140
	17	144	145	146	147	149	149	143
	18	140	147	145	145	143	148	143
	Mean ±S.D.	140.3 5.6	146.0 2.4	145.3 3.3	145.5 0.8	146.2 2.5	148.3 1.5	143.3 2.4

Note) Na : Sodium

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

Table 4-21 Blood chemistry in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	K (mEq/L)						
		-7	15	28	42	56	75	83
1	1	4.6	5.4	4.8	4.5	4.4	5.7	4.2
	2	4.2	5.2	6.6	4.8	5.4	6.6	5.4
	3	4.2	6.5	6.3	4.9	4.7	6.9	6.2
	4	3.8	6.1	6.2	5.1	5.4	6.2	4.6
	5	3.6	6.4	6.1	4.9	4.8	5.5	5.1
	6	5.5	6.1	6.9	4.6	6.0	6.8	4.8
	Mean ±S.D.	4.32 0.68	5.95 0.53	6.15 0.72	4.80 0.22	5.12 0.59	6.28 0.58	5.05 0.70
2	7	4.0	5.1	5.7	4.1	6.9	5.2	4.5
	8	5.3	7.2	7.1	4.6	5.5	5.7	3.9
	9	4.2	6.8	6.3	4.8	5.6	6.7	3.8
	10	4.5	6.5	6.5	5.6	6.3	5.9	4.8
	11	4.2	5.1	5.6	3.7	5.1	5.7	5.7
	12	6.0	6.3	6.3	5.3	5.0	5.6	4.8
	Mean ±S.D.	4.70 0.78	6.17 0.88	6.25 0.55	4.68 0.71	5.73 0.73	5.80 0.50	4.58 0.70
3	13	4.6	6.2	6.1	4.5	7.1	6.5	4.6
	14	4.2	4.9	6.3	4.4	5.8	4.8	4.6
	15	4.6	5.9	5.7	5.6	4.9	5.5	4.6
	16	4.8	5.7	6.3	5.1	5.0	6.2	4.6
	17	5.2	6.0	6.4	4.8	6.0	5.6	4.9
	18	4.0	5.0	5.2	4.5	4.4	5.0	4.4
	Mean ±S.D.	4.57 0.43	5.62 0.54	6.00 0.46	4.82 0.46	5.53 0.97	5.60* 0.66	4.62 0.16

Note) K : Potassium

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

Table 4-22 Blood chemistry in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	Cl (mEq/L)						
		-7	15	28	42	56	75	83
1	1	100	103	100	103	102	108	104
	2	100	97	97	99	101	103	106
	3	96	102	103	105	105	109	107
	4	101	104	102	103	103	103	103
	5	90	97	98	99	98	99	98
	6	102	107	105	99	104	105	105
	Mean ±S.D.	98.2 4.5	101.7 4.0	100.8 3.1	101.3 2.7	102.2 2.5	104.5 3.7	103.8 3.2
2	7	102	103	104	102	103	107	106
	8	104	107	108	101	104	105	105
	9	93	106	106	105	104	107	106
	10	100	106	109	105	109	107	107
	11	91	88	95	96	93	102	102
	12	101	105	107	102	104	104	105
	Mean ±S.D.	98.5 5.2	102.5 7.2	104.8 5.1	101.8 3.3	102.8 5.3	105.3 2.1	105.2 1.7
3	13	99	104	105	100	108	106	103
	14	94	104	109	102	109	105	101
	15	101	106	107	108	105	106	106
	16	97	105	105	103	104	105	104
	17	101	109	109	104	105	106	109
	18	100	104	104	103	103	104	103
	Mean ±S.D.	98.7 2.7	105.3* 2.0	106.5** 2.2	103.3 2.7	105.7* 2.3	105.3 0.8	104.3 2.8

Note) Cl : Chloride

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

Table 4-23 Blood chemistry in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	HDL-Cho (%)						
		-7	15	28	42	56	75	83
1	1	61	54	58	46	43	55	54
	2	48	53	46	44	25	55	50
	3	42	47	42	42	42	48	44
	4	47	48	48	48	51	50	47
	5	37	37	42	47	40	37	34
	6	49	38	38	44	36	33	31
	Mean ±S.D.	47.3 8.1	46.2 7.3	45.7 7.0	45.2 2.2	39.5 8.6	46.3 9.3	43.3 9.1
2	7	55	50	47	55	54	55	54
	8	44	51	54	52	69	65	61
	9	59	59	66	62	73	68	68
	10	54	59	64	52	68	59	59
	11	40	47	47	45	46	47	46
	12	40	47	50	54	52	53	49
	Mean ±S.D.	48.7 8.3	52.2 5.5	54.7* 8.4	53.3** 5.5	60.3** 11.0	57.8* 7.8	56.2* 8.1
3	13	53	51	58	62	56	52	53
	14	46	56	58	66	57	56	46
	15	51	56	52	55	53	51	56
	16	42	47	56	57	54	49	49
	17	48	50	50	52	57	49	52
	18	48	55	64	58	64	57	60
	Mean ±S.D.	48.0 3.8	52.5* 3.7	56.3** 5.0	58.3** 5.0	56.8** 3.9	52.3 3.4	52.7* 5.0

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. SBL703-024

Group	Animal No.\Day	LDL-Cho (%)						
		-7	15	28	42	56	75	83
1	1	34	39	35	47	43	41	40
	2	46	41	45	51	61	40	44
	3	52	44	49	52	45	46	48
	4	46	45	44	41	44	44	43
	5	57	55	53	44	49	53	57
	6	47	56	55	51	57	62	61
	Mean ±S.D.	47.0 7.7	46.7 7.2	46.8 7.2	47.7 4.5	49.8 7.5	47.7 8.4	48.8 8.4
2	7	41	46	48	40	41	40	41
	8	50	46	43	42	28	31	35
	9	35	35	31	32	22	25	28
	10	41	36	34	42	30	35	35
	11	53	50	50	50	47	49	49
	12	54	49	47	41	43	44	47
	Mean ±S.D.	45.7 7.7	43.7 6.5	42.2 7.9	41.2* 5.7	35.2** 9.9	37.3* 8.8	39.2* 8.0
3	13	42	45	40	36	37	43	42
	14	49	39	37	30	37	40	47
	15	44	39	43	41	40	41	39
	16	50	47	40	39	40	44	45
	17	47	45	46	44	35	41	39
	18	45	41	34	37	32	38	34
	Mean ±S.D.	46.2 3.1	42.7 3.4	40.0* 4.2	37.8** 4.8	36.8** 3.1	41.2 2.1	41.0* 4.7

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. SBL703-024

Group	Animal No.\Day	VLDL-Cho (%)						
		-7	15	28	42	56	75	83
1	1	4	6	6	6	11	3	5
	2	5	5	7	4	11	4	5
	3	5	5	5	5	11	5	7
	4	4	5	5	9	4	5	7
	5	5	7	4	7	11	9	6
	6	3	5	6	3	6	4	7
	Mean ±S.D.	4.3 0.8	5.5 0.8	5.5 1.0	5.7 2.2	9.0 3.2	5.0 2.1	6.2 1.0
2	7	3	4	4	3	5	4	4
	8	5	2	2	5	3	3	3
	9	4	4	2	5	5	6	4
	10	3	4	2	5	2	4	5
	11	5	3	2	4	6	3	4
	12	5	3	2	4	4	3	3
	Mean ±S.D.	4.2 1.0	3.3** 0.8	2.3** 0.8	4.3 0.8	4.2** 1.5	3.8 1.2	3.8** 0.8
3	13	3	3	2	2	6	4	5
	14	5	4	3	4	5	4	6
	15	3	3	4	3	5	6	3
	16	7	4	3	3	5	6	5
	17	3	4	3	3	6	8	7
	18	5	3	2	4	3	4	5
	Mean ±S.D.	4.3 1.6	3.5** 0.5	2.8** 0.8	3.2* 0.8#	5.0* 1.1	5.3 1.6#	5.2 1.3#

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

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

P<0.05 : Significantly different from group 2.