

Table 1-2 Clinical signs in male microminipigs

Study No. SBL703-024

Group	Animal No.	Sign code	Day of dosing									No. of days + 1 2 3		
			7	8	9	10	11	12	13	14	15			
1	1													
	2													
	3													
	4													
	5													
	6													
2	7													
	8													
	9													
	10													
	11													
	12													
3	13													
	14													
	15													
	16													
	17													
	18													

Notes) - : No abnormal signs + : Non-graded signs 1 : Slight 2 : Moderate 3 : Severe

Table 2

Body weight ( kg ) in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	-1	0	7	14	21	28	35	42	50	56	63	70	77	84
1	1	8.4	8.5	8.8	9.4	9.8	10.3	10.9	11.2	11.8	12.5	13.3	14.2	15.1	15.5
	2	8.6	8.8	9.0	9.1	9.5	9.7	9.8	10.1	10.2	10.7	11.2	11.8	12.3	13.0
	3	7.6	8.0	7.8	8.0	8.2	8.5	8.4	8.8	9.0	10.6	10.1	10.7	10.6	11.5
	4	7.2	7.3	7.6	8.1	8.5	8.8	9.6	9.9	10.5	10.9	11.8	12.8	13.4	14.0
	5	8.1	8.1	8.4	9.0	9.9	10.4	10.6	11.8	11.7	13.3	12.6	13.5	14.1	15.5
	6	8.9	8.8	9.6	10.4	10.9	11.5	11.9	12.5	13.4	14.1	15.2	16.3	17.3	17.8
	Mean ±S.D.	8.13 0.64	8.25 0.58	8.53 0.76	9.00 0.89	9.47 0.99	9.87 1.11	10.20 1.21	10.72 1.36	11.10 1.53	12.02 1.50	12.37 1.78	13.22 1.95	13.80 2.31	14.55 2.21
2	7	8.2	8.3	9.0	9.7	10.4	11.2	12.3	13.1	14.4	15.1	16.6	18.1	19.5	19.7
	8	8.1	8.4	8.8	9.4	10.1	10.7	11.5	12.5	13.7	14.6	15.8	16.8	17.8	18.9
	9	9.2	9.5	10.2	11.2	11.9	12.6	13.8	14.7	15.8	16.9	18.2	19.9	20.7	21.3
	10	8.6	8.7	9.2	9.7	10.4	11.1	11.9	12.3	13.4	14.1	14.4	15.3	15.5	16.8
	11	7.3	6.9	7.5	7.4	7.6	8.3	8.3	8.4	9.3	9.9	10.3	10.8	11.3	12.4
	12	8.4	8.5	9.1	9.6	10.4	11.2	12.0	12.9	13.9	14.2	15.4	15.5	15.6	15.7
	Mean ±S.D.	8.30 0.63	8.38 0.84	8.97 0.87	9.50 1.22	10.13 1.40	10.85 1.41	11.63 1.82	12.32 2.10	13.42* 2.19	14.13* 2.31	15.12* 2.68	16.07* 3.10	16.73 3.37	17.47* 3.19
3	13	8.9	8.9	9.5	10.0	10.9	11.5	12.3	13.4	14.4	14.9	16.3	17.3	18.3	18.7
	14	7.5	7.5	7.9	8.5	9.1	9.8	10.5	11.1	12.1	12.8	13.8	14.7	15.0	15.4
	15	9.2	9.4	9.9	10.7	11.7	12.1	13.0	14.1	14.5	14.9	16.0	16.8	17.7	18.1
	16	8.2	8.2	8.7	9.4	10.2	10.9	11.7	12.3	13.3	13.8	14.9	15.8	17.1	17.5
	17	8.4	8.5	9.2	9.9	10.7	11.4	12.3	13.2	14.3	15.0	16.1	17.3	18.6	19.1
	18	6.9	7.0	7.4	7.9	8.4	9.0	9.6	10.1	10.8	11.5	12.4	13.3	14.4	14.8
	Mean ±S.D.	8.18 0.86	8.25 0.89	8.77 0.96	9.40 1.04	10.17 1.22	10.78 1.17	11.57* 1.28	12.37* 1.52	13.23* 1.50	13.82* 1.42	14.92* 1.55	15.87* 1.61	16.85* 1.75	17.27* 1.77

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

Table 3-1 Hematology in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	RBC ( $10^6/\mu\text{L}$ )						
		-7	15	28	42	56	75	83
1	1	6.79	7.83	8.36	8.46	8.59	7.98	8.52
	2	8.65	9.56	9.94	10.18	9.03	9.37	10.09
	3	7.87	9.64	9.67	9.31	9.29	9.97	9.74
	4	8.65	9.33	9.22	10.24	9.72	9.13	9.96
	5	7.79	8.68	8.13	8.78	8.09	8.86	8.21
	6	7.51	8.53	7.30	8.27	8.30	7.45	7.18
	Mean	7.877	8.928	8.770	9.207	8.837	8.793	8.950
±S.D.	0.710	0.706	1.012	0.854	0.621	0.927	1.167	
2	7	7.06	8.22	7.02	8.47	8.04	7.26	7.39
	8	7.21	9.58	9.66	8.54	8.13	8.91	7.74
	9	7.87	8.78	8.19	8.61	9.30	9.37	8.93
	10	8.84	9.68	9.37	9.32	9.87	10.16	9.21
	11	8.05	9.25	8.97	9.30	9.45	9.54	9.32
	12	7.24	9.01	9.18	7.82	8.62	8.10	8.67
	Mean	7.712	9.087	8.732	8.677	8.902	8.890	8.543
±S.D.	0.680	0.543	0.975	0.566	0.750	1.053	0.799	
3	13	7.66	7.58	7.72	8.24	7.87	7.12	8.09
	14	7.14	8.54	8.07	8.35	8.79	8.24	8.10
	15	8.70	10.27	8.90	8.81	9.74	8.99	9.49
	16	9.16	9.67	9.93	10.15	10.04	10.80	9.84
	17	7.62	7.88	7.98	7.79	8.66	7.91	8.10
	18	7.61	7.99	7.67	7.80	8.03	8.34	8.52
	Mean	7.982	8.655	8.378	8.523	8.855	8.567	8.690
±S.D.	0.773	1.082	0.880	0.883	0.881	1.253	0.781	

Note) RBC : Erythrocyte count

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

Table 3-2 Hematology in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	Hb (g/dL)						
		-7	15	28	42	56	75	83
1	1	13.7	16.1	17.2	17.3	18.0	16.8	18.0
	2	15.7	17.3	18.3	18.6	16.8	18.0	19.3
	3	14.3	17.5	18.2	17.3	17.4	18.9	18.5
	4	15.2	16.5	16.6	18.4	18.0	16.9	18.5
	5	15.1	16.4	15.6	17.1	16.4	17.7	16.5
	6	15.8	17.9	15.3	17.8	18.0	16.2	15.6
	Mean	14.97	16.95	16.87	17.75	17.43	17.42	17.73
±S.D.	0.82	0.71	1.27	0.63	0.70	0.97	1.40	
2	7	12.9	14.8	13.0	16.2	15.9	14.8	14.7
	8	13.1	17.1	17.3	15.8	15.3	16.4	14.1
	9	13.8	15.7	15.5	16.7	18.1	18.3	17.1
	10	15.8	17.0	17.1	17.3	18.5	18.8	16.9
	11	13.4	14.9	14.4	15.6	16.0	16.3	16.2
	12	14.2	18.2	18.9	16.2	17.8	16.6	17.3
	Mean	13.87*	16.28	16.03	16.30**	16.93	16.87	16.05*
±S.D.	1.06	1.36	2.15	0.62	1.35	1.46	1.34	
3	13	14.5	15.1	15.8	16.9	16.2	15.1	16.9
	14	14.0	16.7	16.5	17.1	18.0	17.0	16.5
	15	15.1	18.6	16.2	16.6	18.4	16.8	17.8
	16	14.2	14.7	15.3	16.0	15.8	17.2	15.6
	17	14.2	14.7	15.2	15.2	16.6	15.5	15.8
	18	14.6	15.4	15.1	15.5	16.2	17.0	17.9
	Mean	14.43	15.87	15.68*	16.22**	16.87	16.43*	16.75
±S.D.	0.39	1.53	0.58	0.77	1.07	0.90	0.97	

Note) Hb : Hemoglobin concentration

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

Table 3-3 Hematology in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	Ht (%)						
		-7	15	28	42	56	75	83
1	1	40.7	47.6	49.7	51.3	51.1	46.8	54.3
	2	47.7	52.4	53.2	54.3	48.0	51.8	56.8
	3	43.1	50.5	52.2	49.7	49.3	54.2	53.8
	4	44.7	49.1	48.0	54.9	52.9	48.9	55.5
	5	42.8	48.1	44.2	48.8	45.6	50.7	49.3
	6	46.1	52.8	43.9	52.4	52.6	47.1	45.3
	Mean ±S.D.	44.18 2.51	50.08 2.19	48.53 3.93	51.90 2.44	49.92 2.84	49.92 2.87	52.50 4.35
2	7	38.1	44.7	38.5	48.9	46.9	41.9	43.8
	8	38.0	50.8	52.3	46.9	45.0	48.7	42.1
	9	41.8	45.8	45.5	49.8	54.1	54.5	50.6
	10	47.8	51.0	50.0	52.2	56.9	55.9	51.8
	11	38.3	42.5	42.3	45.0	46.3	47.3	47.9
	12	43.5	55.0	54.7	47.4	52.3	47.9	51.7
	Mean ±S.D.	41.25 3.94	48.30 4.72	47.22 6.21	48.37* 2.51	50.25 4.85	49.37 5.13	47.98* 4.18
3	13	45.8	44.1	46.4	50.2	48.0	42.8	50.5
	14	39.3	49.5	46.2	49.6	52.1	48.4	47.5
	15	46.2	56.0	48.2	48.1	53.3	49.3	52.6
	16	43.0	44.7	45.8	48.9	47.6	53.2	47.1
	17	43.2	43.5	44.9	45.6	51.5	46.1	46.8
	18	42.9	46.0	44.0	46.2	48.3	51.2	53.4
	Mean ±S.D.	43.40 2.48	47.30 4.77	45.92 1.43	48.10** 1.85	50.13 2.45	48.50 3.70	49.65 2.92

Note) Ht : Hematocrit value

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

Table 3-4 Hematology in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	MCV (fL)						
		-7	15	28	42	56	75	83
1	1	59.9	60.8	59.5	60.7	59.5	58.6	63.6
	2	55.1	54.8	53.5	53.3	53.2	55.3	56.3
	3	54.8	52.4	54.0	53.4	53.1	54.4	55.2
	4	51.7	52.7	52.1	53.6	54.4	53.5	55.7
	5	54.9	55.4	54.3	55.6	56.4	57.3	60.0
	6	61.4	61.9	60.1	63.3	63.5	63.2	63.1
	Mean	56.30	56.33	55.58	56.65	56.68	57.05	58.98
±S.D.	3.63	4.07	3.36	4.31	4.12	3.55	3.78	
2	7	54.0	54.4	54.8	57.7	58.3	57.8	59.2
	8	52.7	53.0	54.1	54.9	55.3	54.6	54.3
	9	53.1	52.2	55.5	57.9	58.1	58.1	56.7
	10	54.1	52.7	53.4	56.0	57.6	55.0	56.2
	11	47.6	46.0	47.2	48.3	49.0	49.5	51.4
	12	60.2	61.1	59.6	60.6	60.6	59.1	59.7
	Mean	53.62	53.23	54.10	55.90	56.48	55.68	56.25
±S.D.	4.03	4.84	4.02	4.20	4.04	3.52	3.10	
3	13	59.8	58.1	60.2	60.9	61.0	60.1	62.4
	14	55.0	57.9	57.2	59.4	59.3	58.8	58.6
	15	53.1	54.6	54.2	54.6	54.8	54.8	55.4
	16	46.9	46.2	46.1	48.1	47.5	49.2	47.8
	17	56.7	55.2	56.3	58.6	59.5	58.3	57.8
	18	56.3	57.6	57.4	59.3	60.2	61.4	62.7
	Mean	54.63	54.93	55.23	56.82	57.05	57.10	57.45
±S.D.	4.38	4.53	4.88	4.77	5.15	4.46	5.49	

Note) MCV : Mean corpuscular volume

Not significantly different from group 1.

Not significantly different from group 2.

Table 3-5 Hematology in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	MCH (pg)						
		-7	15	28	42	56	75	83
1	1	20.2	20.6	20.6	20.4	21.0	21.0	21.2
	2	18.2	18.1	18.4	18.3	18.6	19.2	19.1
	3	18.1	18.2	18.8	18.6	18.7	18.9	18.9
	4	17.5	17.7	18.0	17.9	18.5	18.5	18.6
	5	19.3	18.9	19.2	19.5	20.3	20.0	20.1
	6	21.0	21.0	21.0	21.6	21.7	21.7	21.7
	Mean	19.05	19.08	19.33	19.38	19.80	19.88	19.93
±S.D.	1.36	1.39	1.21	1.41	1.39	1.26	1.29	
2	7	18.3	18.0	18.5	19.1	19.7	20.4	19.9
	8	18.2	17.9	17.9	18.5	18.8	18.4	18.3
	9	17.6	17.9	18.9	19.3	19.5	19.5	19.2
	10	17.9	17.6	18.2	18.6	18.8	18.5	18.4
	11	16.7	16.1	16.1	16.7	16.9	17.1	17.4
	12	19.7	20.1	20.6	20.7	20.6	20.5	20.0
	Mean	18.07	17.93	18.37	18.82	19.05	19.07	18.87
±S.D.	0.99	1.28	1.46	1.30	1.25	1.32	1.02	
3	13	18.9	19.9	20.5	20.6	20.6	21.2	20.9
	14	19.6	19.6	20.4	20.5	20.5	20.6	20.3
	15	17.3	18.1	18.2	18.9	18.9	18.7	18.7
	16	15.5	15.2	15.4	15.8	15.7	15.9	15.9
	17	18.6	18.7	19.1	19.5	19.2	19.6	19.6
	18	19.1	19.3	19.6	19.8	20.2	20.4	21.0
	Mean	18.17	18.47	18.87	19.18	19.18	19.40	19.40
±S.D.	1.52	1.73	1.90	1.77	1.84	1.92	1.92	

Note) MCH : Mean corpuscular hemoglobin

Not significantly different from group 1.

Not significantly different from group 2.

Table 3-6 Hematology in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	MCHC (g/dL)						
		-7	15	28	42	56	75	83
1	1	33.7	33.8	34.7	33.6	35.3	35.9	33.3
	2	33.0	33.0	34.4	34.3	35.1	34.8	33.9
	3	33.1	34.7	34.8	34.8	35.2	34.8	34.3
	4	33.9	33.6	34.5	33.5	34.0	34.5	33.4
	5	35.2	34.1	35.4	35.1	35.9	34.9	33.5
	6	34.3	33.9	34.9	34.1	34.2	34.4	34.4
	Mean	33.87	33.85	34.78	34.23	34.95	34.88	33.80
±S.D.	0.82	0.56	0.35	0.64	0.72	0.53	0.47	
2	7	33.8	33.1	33.7	33.0	33.8	35.3	33.6
	8	34.4	33.7	33.0	33.7	34.0	33.6	33.6
	9	33.1	34.3	34.0	33.4	33.5	33.6	33.9
	10	33.2	33.3	34.1	33.2	32.6	33.6	32.7
	11	35.1	35.1	34.1	34.6	34.5	34.5	33.9
	12	32.7	33.0	34.6	34.1	34.0	34.7	33.5
	Mean	33.72	33.75	33.92**	33.67	33.73**	34.22*	33.53
±S.D.	0.90	0.81	0.53	0.60	0.64	0.73	0.44	
3	13	31.6	34.2	34.1	33.8	33.7	35.4	33.5
	14	35.6	33.8	35.7	34.6	34.6	35.1	34.7
	15	32.7	33.2	33.5	34.6	34.5	34.2	33.8
	16	33.0	32.9	33.5	32.7	33.1	32.3	33.1
	17	32.8	33.9	33.9	33.3	32.2	33.7	33.9
	18	33.9	33.5	34.2	33.5	33.6	33.3	33.5
	Mean	33.27	33.58	34.15	33.75	33.62**	34.00	33.75
±S.D.	1.36	0.48	0.81	0.75	0.90	1.16	0.54	

Note) MCHC : Mean corpuscular hemoglobin concentration

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



Table 3-7 Hematology in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	Plat. (10 <sup>3</sup> /μL)						
		-7	15	28	42	56	75	83
1	1	558	412	347	336	368	377	339
	2	281	220	224	197	358	201	179
	3	436	155	131	165	225	249	232
	4	511	420	365	317	398	395	304
	5	363	326	328	284	362	356	318
	6	510	452	537	372	436	454	530
	Mean	443.2	330.8	322.0	278.5	357.8	338.7	317.0
±S.D.	104.9	120.4	137.7	81.3	71.4	95.1	120.2	
2	7	599	377	506	363	364	446	401
	8	390	341	245	397	457	354	383
	9	394	371	452	425	315	276	308
	10	395	357	374	342	369	309	332
	11	597	433	544	443	527	250	503
	12	291	237	249	302	280	255	199
	Mean	444.3	352.7	395.0	378.7*	385.3	315.0	354.3
±S.D.	125.4	64.7	128.1	53.1	91.6	74.9	101.9	
3	13	344	463	554	439	373	346	352
	14	255	217	277	231	205	192	297
	15	519	260	465	384	355	375	351
	16	531	508	512	412	444	386	475
	17	506	514	510	524	430	422	413
	18	524	458	563	445	453	426	382
	Mean	446.5	403.3	480.2*	405.8*	376.7	357.8	378.3
±S.D.	117.6	130.4	105.6	97.7	92.9	86.6	61.0	

Note) Plat. : Platelet count

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

Table 3-8 Hematology in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	WBC (10 <sup>3</sup> /μL)						
		-7	15	28	42	56	75	83
1	1	24.31	14.46	11.11	14.42	10.25	13.66	17.32
	2	11.99	7.81	7.68	13.55	11.69	9.22	11.33
	3	16.61	11.69	12.24	10.52	9.19	11.59	15.95
	4	23.55	16.42	16.01	16.54	14.18	15.35	18.32
	5	11.94	11.21	10.19	8.70	7.99	9.19	10.54
	6	15.93	14.69	15.05	13.67	11.56	16.48	15.74
	Mean	17.388	12.713	12.047	12.900	10.810	12.582	14.867
±S.D.	5.430	3.100	3.103	2.824	2.172	3.092	3.197	
2	7	19.20	13.71	15.18	16.71	13.62	14.29	13.41
	8	18.13	11.77	9.26	9.91	7.30	9.52	11.40
	9	11.42	12.27	11.69	12.50	16.56	15.25	12.95
	10	14.49	12.67	9.63	13.34	11.42	14.16	18.52
	11	15.12	11.36	10.56	11.32	10.19	16.22	11.71
	12	18.68	16.05	11.08	20.08	12.88	15.19	15.58
	Mean	16.173	12.972	11.233	13.977	11.995	14.105	13.928
±S.D.	3.027	1.711	2.132	3.766	3.159	2.367	2.696	
3	13	14.76	15.15	11.87	13.03	14.10	22.79	13.77
	14	10.59	9.06	10.09	8.78	10.32	9.86	11.37
	15	14.84	12.90	14.10	13.50	12.55	13.06	14.03
	16	15.67	16.43	10.62	13.45	11.06	11.35	14.38
	17	28.24	16.59	13.14	17.09	14.44	16.01	15.84
	18	18.04	12.45	12.16	21.10	15.88	11.02	13.52
	Mean	17.023	13.763	11.997	14.492	13.058	14.015	13.818
±S.D.	5.999	2.885	1.504	4.177	2.131	4.801	1.451	

Note) WBC : Leukocyte count

Not significantly different from group 1.

Not significantly different from group 2.

Table 3-9 Hematology in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	PT (s)		APTT (s)	
		-7	83	-7	83
1	1	11.0	12.7	11.1	12.3
	2	14.1	14.5	10.5	12.5
	3	12.3	12.9	10.0	11.5
	4	12.6	12.6	13.1	11.5
	5	13.1	13.4	12.2	11.6
	6	12.2	12.1	10.4	11.3
	Mean	12.55	13.03	11.22	11.78
±S.D.	1.03	0.83	1.20	0.49	
2	7	12.2	12.5	12.5	10.0
	8	11.2	12.6	10.2	11.6
	9	11.3	12.1	9.4	11.0
	10	12.6	12.6	8.9	12.3
	11	12.2	12.6	10.3	12.6
	12	12.3	11.9	10.5	9.6
	Mean	11.97	12.38	10.30	11.18
±S.D.	0.58	0.31	1.24	1.21	
3	13	12.2	11.7	9.6	9.6
	14	12.8	12.3	10.3	11.1
	15	12.3	12.4	11.0	10.2
	16	12.7	12.5	10.0	11.1
	17	14.1	12.0	11.0	9.6
	18	12.4	11.7	9.5	11.1
	Mean	12.75	12.10*	10.23	10.45**
±S.D.	0.70#	0.35	0.66	0.74	

Notes) PT : Prothrombin time  
 APTT : Activated partial thromboplastin time

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

# P<0.05 : Significantly different from group 2.

Table 4-1 Blood chemistry in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	AST (IU/L)						
		-7	15	28	42	56	75	83
1	1	39	18	20	29	18	17	30
	2	51	26	26	31	25	23	48
	3	47	27	25	22	21	23	26
	4	59	32	34	35	33	30	66
	5	40	28	29	47	25	34	29
	6	59	28	24	33	24	26	27
	Mean	49.2	26.5	26.3	32.8	24.3	25.5	37.7
	±S.D.	8.8	4.6	4.8	8.3	5.0	6.0	16.1
2	7	35	24	24	26	22	33	23
	8	33	23	24	29	19	20	21
	9	28	21	20	31	28	27	33
	10	41	22	23	33	21	20	30
	11	43	30	25	29	31	25	26
	12	54	27	29	33	22	33	27
	Mean	39.0*	24.5	24.2	30.2	23.8	26.3	26.7
	±S.D.	9.1	3.4	2.9	2.7	4.6	5.9	4.4
3	13	37	30	29	27	36	32	29
	14	88	37	29	39	27	44	73
	15	44	28	22	20	25	18	24
	16	31	22	24	27	21	30	31
	17	37	24	18	24	22	20	29
	18	43	24	24	31	27	27	37
	Mean	46.7	27.5	24.3	28.0	26.3	28.5	37.2
	±S.D.	20.8	5.5	4.2	6.5	5.4	9.4	18.0

Note) AST : Aspartate transaminase

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

Table 4-2 Blood chemistry in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	ALT (IU/L)						
		-7	15	28	42	56	75	83
1	1	28	26	26	24	25	21	24
	2	35	42	46	45	34	36	41
	3	35	52	46	43	39	43	39
	4	37	33	32	35	32	26	30
	5	32	33	34	35	33	30	26
	6	39	42	31	32	32	29	27
	Mean	34.3	38.0	35.8	35.7	32.5	30.8	31.2
±S.D.	3.9	9.2	8.3	7.6	4.5	7.7	7.1	
2	7	34	33	30	32	29	25	27
	8	31	28	29	28	25	24	22
	9	27	24	24	25	27	24	24
	10	29	26	25	26	24	21	21
	11	30	28	25	24	28	24	22
	12	36	31	29	28	25	21	20
	Mean	31.2	28.3*	27.0*	27.2*	26.3**	23.2*	22.7*
±S.D.	3.3	3.3	2.6	2.9	2.0	1.7	2.5	
3	13	36	31	33	30	32	27	26
	14	42	39	33	35	35	32	32
	15	34	27	25	24	25	20	22
	16	37	30	28	26	26	26	26
	17	37	30	27	26	27	22	25
	18	35	31	30	30	29	30	31
	Mean	36.8	31.3	29.3	28.5*	29.0	26.2	27.0
±S.D.	2.8##	4.0	3.3	4.0	3.8	4.6	3.8#	

Note) ALT : Alanine transaminase

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

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

Table 4-3 Blood chemistry in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	ALP (IU/L)						
		-7	15	28	42	56	75	83
1	1	836	911	957	878	1015	877	943
	2	1056	1323	1299	1195	721	1116	1179
	3	858	1154	1243	1105	1174	1110	1155
	4	1281	1296	1272	1352	1373	1135	1142
	5	752	868	811	732	801	797	827
	6	1039	1057	1022	1036	1104	1025	828
	Mean	970.3	1101.5	1100.7	1049.7	1031.3	1010.0	1012.3
±S.D.	193.3	191.0	199.8	221.9	241.7	141.5	166.2	
2	7	546	644	703	760	637	604	633
	8	575	583	569	560	642	639	522
	9	445	511	495	501	535	563	534
	10	643	632	629	618	651	618	586
	11	679	601	636	586	703	676	690
	12	1085	1017	979	938	839	878	816
	Mean	662.2*	664.7**	668.5**	660.5**	667.8**	663.0**	630.2**
±S.D.	222.6	178.9	167.5	161.1	100.1	111.8	110.5	
3	13	1201	1097	1232	1053	1231	1048	1022
	14	1069	1485	1392	1311	1349	1002	856
	15	573	579	601	581	660	581	582
	16	757	763	833	824	779	871	745
	17	1052	895	923	858	983	876	840
	18	834	781	823	739	779	680	712
	Mean	914.3	933.3	967.3	894.3	963.5	843.0	792.8*
±S.D.	233.6#	319.5	291.7#	255.9#	275.9#	181.3#	149.7#	

Note) ALP : Alkaline phosphatase

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

# P<0.05 : Significantly different from group 2.

Table 4-4 Blood chemistry in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	LDH (IU/L)						
		-7	15	28	42	56	75	83
1	1	685	529	486	615	489	465	582
	2	782	586	571	582	531	544	642
	3	646	565	582	514	468	495	535
	4	705	572	533	581	523	466	591
	5	650	520	490	557	461	552	505
	6	762	590	470	571	485	530	511
	Mean	705.0	560.3	522.0	570.0	492.8	508.7	561.0
±S.D.	56.7	29.3	47.2	33.5	28.5	38.7	53.3	
2	7	534	499	487	559	487	532	495
	8	640	569	561	600	478	543	512
	9	471	460	427	448	460	465	495
	10	666	513	501	604	544	536	597
	11	615	465	436	428	468	473	458
	12	835	556	530	614	476	548	478
	Mean	626.8	510.3*	490.3	542.2	485.5	516.2	505.8*
±S.D.	125.0	45.3	52.3	83.1	30.1	37.0	48.3	
3	13	729	611	580	596	635	605	576
	14	739	620	537	639	523	624	802
	15	596	543	490	485	503	429	477
	16	669	597	588	635	538	646	648
	17	802	670	515	597	544	543	541
	18	601	513	500	523	498	568	590
	Mean	689.3	592.3	535.0	579.2	540.2*	569.2	605.7
±S.D.	82.1	56.4##	41.2	62.2	49.9#	78.1	111.5#	

Note) LDH : Lactate dehydrogenase

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

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

Table 4-5 Blood chemistry in male microminipigs

Study No. SBL703-024

Group	Animal No.\Day	GGT (IU/L)						
		-7	15	28	42	56	75	83
1	1	53	45	51	63	46	47	43
	2	51	50	54	45	33	41	41
	3	68	62	63	55	52	57	58
	4	66	59	70	61	57	53	81
	5	56	46	52	75	52	65	44
	6	77	62	66	93	91	82	69
	Mean	61.8	54.0	59.3	65.3	55.2	57.5	56.0
±S.D.	10.1	7.9	8.0	16.8	19.4	14.6	16.3	
2	7	51	50	47	55	53	59	58
	8	50	50	43	52	43	45	42
	9	39	43	50	48	55	52	49
	10	62	60	60	78	65	78	86
	11	65	45	46	45	49	62	74
	12	72	69	71	65	68	100	74
	Mean	56.5	52.8	52.8	57.2	55.5	66.0	63.8
±S.D.	12.0	9.9	10.6	12.3	9.5	20.0	16.9	
3	13	51	50	60	59	71	67	59
	14	56	52	54	55	58	65	54
	15	51	57	55	55	57	46	51
	16	59	61	59	60	59	70	63
	17	79	62	65	66	90	75	94
	18	82	79	89	87	87	87	98
	Mean	63.0	60.2	63.7	63.7	70.3	68.3	69.8
±S.D.	13.9	10.4	13.0	12.1	15.0#	13.5	20.7	

Note) GGT : Gamma - glutamyltransferase

Not significantly different from group 1.

# P<0.05 : Significantly different from group 2.



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	1429.5	426.2	394.5	677.7	342.5	480.2	1040.5
±S.D.	581.8	161.8	171.4	330.4	96.8	237.3	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	1024.5	334.8	278.7	504.0	280.7	416.7	494.0*
±S.D.	381.8	72.0	79.3	192.5	66.1	128.3	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	1483.3	628.2	282.2	603.5	310.7	1061.5*	1086.7
±S.D.	848.2	430.7	59.6	267.6	83.2	637.3#	959.4	

Note) CK : Creatine kinase

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

# P&lt;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	3988.8	4533.5	4618.0	4549.0	4358.2	4386.7	4255.2
±S.D.	442.2	477.3	661.9	634.6	570.9	404.5	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	3758.2	3955.0*	4156.5	4185.7	4127.7	4010.0*	3751.3
±S.D.	433.4	589.0	498.2	733.9	581.0	308.5	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	4445.3	4348.7	4612.5	4788.3	4878.7	4628.5	4205.3
±S.D.	1106.1	1039.9	982.8	1163.7	1080.7	1054.2	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.