

Table 4-1 Hematology in male cynomolgus monkeys

Study No. : SBL81-20

Group	Animal No.\Day	RBC ($10^4/\text{mm}^3$)			WBC ($10^2/\text{mm}^3$)			Ht (%)			Hb (g/dl)		
		Pre	6	13	Pre	6	13	Pre	6	13	Pre	6	13
Control (i.n.)	1	623	652	644	126	149	133	41.0	44.6	43.9	11.8	12.4	12.4
	2	677	772	740	98	122	101	38.1	44.1	42.5	11.1	12.9	12.8
	Mean	650.0	712.0	692.0	112.0	135.5	117.0	39.55	44.35	43.20	11.45	12.65	12.60
Measles virus vaccine (i.n.) 0.5 (mL/body)	4	884	778	754	59	86	120	47.4	44.5	42.7	13.8	12.4	12.2
	5	649	657	691	83	167	162	38.4	40.5	43.1	11.3	11.9	12.4
	Mean	766.5	717.5	722.5	71.0	126.5	141.0	42.90	42.50	42.90	12.55	12.15	12.30
Control (i.t.)	8	585	609	595	69	108	125	37.8	40.7	39.6	11.8	12.5	12.0
Measles virus vaccine (i.t.) 0.3 (mL/body)	11	776	776	753	68	86	172	39.4	41.8	40.6	11.3	11.6	11.5
	12	775	693	726	92	130	145	43.4	39.8	44.0	12.8	11.5	12.1
	Mean	775.5	734.5	739.5	80.0	108.0	158.5	41.40	40.80	42.30	12.05	11.55	11.80

Notes) RBC : Number of red blood cells
WBC : Number of white blood cells
Ht : Hematocrit value
Hb : Hemoglobin concentration

i.n. : intranasal administration
i.t. : intratracheal administration

Table 4-2

Hematology in male cynomolgus monkeys

Study No. : SBL81-20

Group	Animal No.\Day	Plat. ($10^4/\text{mm}^3$)			MCV (fl)			MCH (pg)			MCHC (%)		
		Pre	6	13	Pre	6	13	Pre	6	13	Pre	6	13
Control (i.n.)	1	32.2	35.8	41.6	66	68	68	18.9	19.0	19.3	28.8	27.8	28.2
	2	37.9	38.3	39.7	56	57	57	16.4	16.7	17.3	29.1	29.3	30.1
	Mean	35.05	37.05	40.65	61.0	62.5	62.5	17.65	17.85	18.30	28.95	28.55	29.15
Measles virus vaccine (i.n.) 0.5 (mL/body)	4	63.4	52.1	67.7	54	57	57	15.6	15.9	16.2	29.1	27.9	28.6
	5	39.6	56.8	67.3	59	62	62	17.4	18.1	17.9	29.4	29.4	28.8
	Mean	51.50	54.45	67.50	56.5	59.5	59.5	16.50	17.00	17.05	29.25	28.65	28.70
Control (i.t.)	8	55.6	45.4	54.1	65	67	67	20.2	20.5	20.2	31.2	30.7	30.3
Measles virus vaccine (i.t.) 0.3 (mL/body)	11	56.8	52.8	63.1	51	54	54	14.6	14.9	15.3	28.7	27.8	28.3
	12	47.7	32.7	59.7	56	57	61	16.5	16.6	16.7	29.5	28.9	27.5
	Mean	52.25	42.75	61.40	53.5	55.5	57.5	15.55	15.75	16.00	29.10	28.35	27.90

Notes) Plat. : Number of blood platelets
 MCV : Mean corpuscular volume
 MCH : Mean corpuscular hemoglobin
 MCHC : Mean corpuscular hemoglobin concentration

i.n. : intranasal administration
 i.t. : intratracheal administration

Table 4-3

Hematology in male cynomolgus monkeys

Study No. : SBL81-20

Group	Animal No.\Day	Ret. (10 ⁻¹ %)			N-Stab (10 ² /mm ³)			N-Stab (%)			N-Seg. (10 ² /mm ³)		
		Pre	6	13	Pre	6	13	Pre	6	13	Pre	6	13
Control (i.n.)	1	1	3	3	0	0	0	0	0	0	73	54	53
	2	4	1	10	0	1	0	0	1	0	55	28	32
	Mean	2.5	2.0	6.5	0.0	0.5	0.0	0.0	0.5	0.0	64.0	41.0	42.5
Measles virus vaccine (i.n.) 0.5 (mL/body)	4	3	7	6	0	0	0	0	0	0	30	13	31
	5	2	6	6	0	0	0	0	0	0	27	68	70
	Mean	2.5	6.5	6.0	0.0	0.0	0.0	0.0	0.0	0.0	28.5	40.5	50.5
Control (i.t.)	8	3	6	8	0	1	0	0	1	0	36	19	24
Measles virus vaccine (i.t.) 0.3 (mL/body)	11	7	10	6	0	0	0	0	0	0	24	22	91
	12	5	6	15	0	0	0	0	0	0	27	38	59
	Mean	6.0	8.0	10.5	0.0	0.0	0.0	0.0	0.0	0.0	25.5	30.0	75.0

Notes) Ret. : Number of reticulocytes
 N-Stab : Number of stab-form neutrophilic leukocytes
 N-Stab : Stab-form neutrophilic leukocyte ratio
 N-Seg. : Number of segmented neutrophilic leukocytes

i.n. : intranasal administration
 i.t. : intratracheal administration

Table 4-4

Hematology in male cynomolgus monkeys

Study No. : SBL81-20

Group	Animal No.\Day	N-Seg. (%)			Eosino. ($10^2/\text{mm}^3$)			Eosino. (%)			Baso. ($10^2/\text{mm}^3$)		
		Pre	6	13	Pre	6	13	Pre	6	13	Pre	6	13
Control (i.n.)	1	58	36	40	1	4	4	1	3	3	0	0	0
	2	56	23	32	0	4	0	0	3	0	0	0	0
	Mean	57.0	29.5	36.0	0.5	4.0	2.0	0.5	3.0	1.5	0.0	0.0	0.0
Measles virus vaccine (i.n.) 0.5 (mL/body)	4	51	15	26	1	2	1	1	2	1	0	3	0
	5	32	41	43	2	12	11	3	7	7	0	0	2
	Mean	41.5	28.0	34.5	1.5	7.0	6.0	2.0	4.5	4.0	0.0	1.5	1.0
Control (i.t.)	8	52	18	19	1	2	1	1	2	1	0	2	3
Measles virus vaccine (i.t.) 0.3 (mL/body)	11	36	26	53	1	2	2	1	2	1	0	0	0
	12	29	29	41	1	5	6	1	4	4	0	1	0
	Mean	32.5	27.5	47.0	1.0	3.5	4.0	1.0	3.0	2.5	0.0	0.5	0.0

Notes) N-Seg. : Segmented neutrophilic leukocyte ratio
 Eosino. : Number of eosinophilic leukocytes
 Eosino. : Eosinophilic leukocyte ratio
 Baso. : Number of basophilic leukocytes

i.n. : intranasal administration
 i.t. : intratracheal administration

Table 4-5

Hematology in male cynomolgus monkeys

Study No. : SBL81-20

Group	Animal No.\Day	Baso. (%)			Mono. (10 ² /mm ³)			Mono. (%)			Lymph. (10 ² /mm ³)		
		Pre	6	13	Pre	6	13	Pre	6	13	Pre	6	13
Control (i.n.)	1	0	0	0	1	6	4	1	4	3	50	85	72
	2	0	0	0	4	12	7	4	10	7	39	77	62
	Mean	0.0	0.0	0.0	2.5	9.0	5.5	2.5	7.0	5.0	44.5	81.0	67.0
Measles virus vaccine (i.n.) 0.5 (mL/body)	4	0	3	0	2	3	7	3	3	6	27	66	80
	5	0	0	1	2	10	8	2	6	5	52	77	71
	Mean	0.0	1.5	0.5	2.0	6.5	7.5	2.5	4.5	5.5	39.5	71.5	75.5
Control (i.t.)	8	0	2	2	3	10	14	5	9	11	29	73	84
Measles virus vaccine (i.t.) 0.3 (mL/body)	11	0	0	0	5	4	3	7	5	2	38	58	76
	12	0	1	0	2	13	9	2	10	6	63	73	71
	Mean	0.0	0.5	0.0	3.5	8.5	6.0	4.5	7.5	4.0	50.5	65.5	73.5

Notes) Baso. : Basophilic leukocyte ratio
Mono. : Number of monocytes
Mono. : Monocyte ratio
Lymph. : Number of lymphocytes

i.n. : intranasal administration
i.t. : intratracheal administration

Table 4-6

Hematology in male cynomolgus monkeys

Study No. : SBL81-20

Group	Animal No.\Day	Lymph. (%)			PT (Sec)			APTT (Sec)		
		Pre	6	13	Pre	6	13	Pre	6	13
Control (i.n.)	1	40	57	54	9.7	9.0	9.5	24.4	25.4	24.3
	2	40	63	61	9.5	8.6	9.5	23.6	21.0	24.2
	Mean	40.0	60.0	57.5	9.60	8.80	9.50	24.00	23.20	24.25
Measles virus vaccine (i.n.) 0.5 (mL/body)	4	45	77	67	9.8	8.7	9.0	22.2	19.4	21.1
	5	63	46	44	9.7	8.8	9.7	18.9	18.5	18.3
	Mean	54.0	61.5	55.5	9.75	8.75	9.35	20.55	18.95	19.70
Control (i.t.)	8	42	68	67	10.8	10.1	10.1	24.4	23.8	24.2
Measles virus vaccine (i.t.) 0.3 (mL/body)	11	56	67	44	9.5	8.8	8.7	22.9	20.7	21.2
	12	68	56	49	9.6	9.4	9.5	22.1	18.8	19.9
	Mean	62.0	61.5	46.5	9.55	9.10	9.10	22.50	19.75	20.55

Notes) Lymph. : Lymphocyte ratio
PT : Prothrombin time
APTT : Activated partial thromboplastin time

i.n. : intranasal administration
i.t. : intratracheal administration

Table 4-7 Hematology in female cynomolgus monkeys

Study No. : SBL81-20

Group	Animal No.\Day	RBC ($10^4/\text{mm}^3$)			WBC ($10^2/\text{mm}^3$)			Ht (%)			Hb (g/dl)		
		Pre	6	13	Pre	6	13	Pre	6	13	Pre	6	13
Control (i.n.)	3	694	684	688	90	113	117	38.1	39.9	39.6	11.1	11.1	11.0
Measles virus vaccine (i.n.)													
0.5 (mL/body)	6	733	704	694	82	181	133	43.7	43.9	43.5	12.6	12.5	12.2
	7	695	680	648	105	166	173	41.6	41.6	39.1	12.2	12.1	11.6
	Mean	714.0	692.0	671.0	93.5	173.5	153.0	42.65	42.75	41.30	12.40	12.30	11.90
Control (i.t.)	9	693	738	693	156	191	181	40.7	44.6	41.6	11.3	12.3	11.6
	10	699	696	645	163	99	125	41.7	42.5	39.1	11.4	11.5	10.7
	Mean	696.0	717.0	669.0	159.5	145.0	153.0	41.20	43.55	40.35	11.35	11.90	11.15
Measles virus vaccine (i.t.)													
0.3 (mL/body)	13	616	608	573	107	120	113	38.1	39.7	37.6	12.0	11.6	11.1
	14	635	687	656	63	149	174	39.0	43.5	41.1	10.8	11.8	11.3
	Mean	625.5	647.5	614.5	85.0	134.5	143.5	38.55	41.60	39.35	11.40	11.70	11.20

Notes) RBC : Number of red blood cells
WBC : Number of white blood cells
Ht : Hematocrit value
Hb : Hemoglobin concentration

i.n. : intranasal administration
i.t. : intratracheal administration

Table 4-8

Hematology in female cynomolgus monkeys

Study No. : SBL81-20

Group	Animal No.\Day	Plat. ($10^4/\text{mm}^3$)			MCV (fl)			MCH (pg)			MCHC (%)		
		Pre	6	13	Pre	6	13	Pre	6	13	Pre	6	13
Control (i.n.)	3	46.1	50.3	54.7	55	58	58	16.0	16.2	16.0	29.1	27.8	27.8
Measles virus vaccine (i.n.)													
0.5 (mL/body)	6	62.1	48.9	71.8	60	62	63	17.2	17.8	17.6	28.8	28.5	28.0
	7	66.1	59.2	62.4	60	61	60	17.6	17.8	17.9	29.3	29.1	29.7
	Mean	64.10	54.05	67.10	60.0	61.5	61.5	17.40	17.80	17.75	29.05	28.80	28.85
Control (i.t.)													
	9	39.2	43.3	42.4	59	60	60	16.3	16.7	16.7	27.8	27.6	27.9
	10	56.2	53.7	61.1	60	61	61	16.3	16.5	16.6	27.3	27.1	27.4
	Mean	47.70	48.50	51.75	59.5	60.5	60.5	16.30	16.60	16.65	27.55	27.35	27.65
Measles virus vaccine (i.t.)													
0.3 (mL/body)	13	36.0	38.6	35.9	62	65	66	19.5	19.1	19.4	31.5	29.2	29.5
	14	47.2	49.6	53.6	61	63	63	17.0	17.2	17.2	27.7	27.1	27.5
	Mean	41.60	44.10	44.75	61.5	64.0	64.5	18.25	18.15	18.30	29.60	28.15	28.50

Notes) Plat. : Number of blood platelets
 MCV : Mean corpuscular volume
 MCH : Mean corpuscular hemoglobin
 MCHC : Mean corpuscular hemoglobin concentration

i.n. : intranasal administration
 i.t. : intratracheal administration

Table 4-9

Hematology in female cynomolgus monkeys

Study No. : SBL81-20

Group	Animal No.\Day	Ret. ($10^{-1}\%$)			N-Stab ($10^2/\text{mm}^3$)			N-Stab (%)			N-Seg _i ($10^2/\text{mm}^3$)		
		Pre	6	13	Pre	6	13	Pre	6	13	Pre	6	13
Control (i.n.)	3	4	6	9	0	1	0	0	1	0	42	37	46
Measles virus vaccine (i.n.)													
0.5 (mL/body)	6	4	10	14	0	2	1	0	1	1	54	96	56
	7	4	8	8	0	0	0	0	0	0	21	50	73
	Mean	4.0	9.0	11.0	0.0	1.0	0.5	0.0	0.5	0.5	37.5	73.0	64.5
Control (i.t.)	9	4	9	5	0	6	0	0	3	0	129	130	114
	10	4	1	6	0	0	0	0	0	0	101	28	36
	Mean	4.0	5.0	5.5	0.0	3.0	0.0	0.0	1.5	0.0	115.0	79.0	75.0
Measles virus vaccine (i.t.)													
0.3 (mL/body)	13	2	8	3	0	0	0	0	0	0	66	41	25
	14	3	6	5	0	0	0	0	0	0	14	46	78
	Mean	2.5	7.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	43.5	51.5

Notes) Ret. : Number of reticulocytes
 N-Stab : Number of stab-form neutrophilic leukocytes
 N-Stab : Stab-form neutrophilic leukocyte ratio
 N-Seg. : Number of segmented neutrophilic leukocytes

i.n. : intranasal administration
 i.t. : intratracheal administration

Table 4-10

Hematology in female cynomolgus monkeys

Study No. : SBL81-20

Group	Animal No.\Day	N-Seg. (%)			Eosino. (10 ² /mm ³)			Eosino. (%)			Baso. (10 ² /mm ³)		
		Pre	6	13	Pre	6	13	Pre	6	13	Pre	6	13
Control (i.n.)	3	47	33	39	1	3	1	1	3	1	0	0	0
Measles virus vaccine (i.n.)													
0.5 (mL/body)	6	66	53	42	2	0	7	2	0	5	0	2	0
	7	20	30	42	0	0	2	0	0	1	0	2	2
	Mean	43.0	41.5	42.0	1.0	0.0	4.5	1.0	0.0	3.0	0.0	2.0	1.0
Control (i.t.)	9	83	68	63	0	4	2	0	2	1	0	0	0
	10	62	28	29	0	1	1	0	1	1	0	0	0
	Mean	72.5	48.0	46.0	0.0	2.5	1.5	0.0	1.5	1.0	0.0	0.0	0.0
Measles virus vaccine (i.t.)													
0.3 (mL/body)	13	62	34	22	0	2	1	0	2	1	0	0	0
	14	23	31	45	0	1	2	0	1	1	0	0	0
	Mean	42.5	32.5	33.5	0.0	1.5	1.5	0.0	1.5	1.0	0.0	0.0	0.0

Notes) N-Seg. : Segmented neutrophilic leukocyte ratio
 Eosino. : Number of eosinophilic leukocytes
 Eosino. : Eosinophilic leukocyte ratio
 Baso. : Number of basophilic leukocytes

i.n. : intranasal administration
 i.t. : intratracheal administration

Table 4-11

Hematology in female cynomolgus monkeys

Study No. : SBL81-20

Group	Animal No.\Day	Baso. (%)			Mono. (10 ² /mm ³)			Mono. (%)			Lymph. (10 ² /mm ³)		
		Pre	6	13	Pre	6	13	Pre	6	13	Pre	6	13
Control (i.n.)	3	0	0	0	5	12	11	5	11	9	42	59	60
Measles virus vaccine (i.n.)													
0.5 (mL/body)	6	0	1	0	2	11	13	2	6	10	25	71	56
	7	0	1	1	0	3	9	0	2	5	84	111	88
	Mean	0.0	1.0	0.5	1.0	7.0	11.0	1.0	4.0	7.5	54.5	91.0	72.0
Control (i.t.)	9	0	0	0	2	6	13	1	3	7	25	46	52
	10	0	0	0	5	8	8	3	8	6	57	62	80
	Mean	0.0	0.0	0.0	3.5	7.0	10.5	2.0	5.5	6.5	41.0	54.0	66.0
Measles virus vaccine (i.t.)													
0.3 (mL/body)	13	0	0	0	3	10	12	3	8	11	37	67	75
	14	0	0	0	3	10	12	5	7	7	45	91	82
	Mean	0.0	0.0	0.0	3.0	10.0	12.0	4.0	7.5	9.0	41.0	79.0	78.5

Notes) Baso. : Basophilic leukocyte ratio
 Mono. : Number of monocytes
 Mono. : Monocyte ratio
 Lymph. : Number of lymphocytes

i.n. : intranasal administration
 i.t. : intratracheal administration

Table 4-12

Hematology in female cynomolgus monkeys

Study No. : SBL81-20

Group	Animal No.\Day	Lymph. (%)			PT (Sec)			APTT (Sec)		
		Pre	6	13	Pre	6	13	Pre	6	13
Control (i.n.)	3	47	52	51	9.9	9.2	9.3	22.4	21.9	22.7
Measles virus vaccine (i.n.)										
0.5 (mL/body)	6	30	39	42	9.8	8.8	9.2	20.8	20.2	21.0
	7	80	67	51	9.3	8.4	8.7	20.4	18.5	23.5
	Mean	55.0	53.0	46.5	9.55	8.60	8.95	20.60	19.35	22.25
Control (i.t.)										
	9	16	24	29	10.5	9.3	9.2	24.3	22.8	25.1
	10	35	63	64	10.4	9.3	9.4	19.9	20.0	21.7
	Mean	25.5	43.5	46.5	10.45	9.30	9.30	22.10	21.40	23.40
Measles virus vaccine (i.t.)										
0.3 (mL/body)	13	35	56	66	10.1	9.3	9.3	18.9	19.4	18.5
	14	72	61	47	9.6	9.5	9.8	20.5	23.0	22.7
	Mean	53.5	58.5	56.5	9.85	9.40	9.55	19.70	21.20	20.60

Notes) Lymph. : Lymphocyte ratio
PT : Prothrombin time
APTT : Activated partial thromboplastin time

i.n. : intranasal administration
i.t. : intratracheal administration

Table 5-1 Blood chemistry in male cynomolgus monkeys

Study No. : SBL81-20

Group	Animal No.\Day	ASAT (IU/l)			ALAT (IU/l)			ALP (IU/l)			LDH (IU/l)		
		Pre	6	13	Pre	6	13	Pre	6	13	Pre	6	13
Control (i.n.)	1	27	32	21	21	22	15	743	492	488	1127	876	804
	2	43	63	28	75	74	53	888	575	613	1168	1384	1136
	Mean	35.0	47.5	24.5	48.0	48.0	34.0	815.5	533.5	550.5	1147.5	1130.0	970.0
Measles virus vaccine (i.n.) 0.5 (mL/body)	4	94	38	31	54	29	27	877	602	537	2016	1379	1248
	5	55	40	27	98	42	31	758	460	488	1906	1801	1445
	Mean	74.5	39.0	29.0	76.0	35.5	29.0	817.5	531.0	512.5	1961.0	1590.0	1346.5
Control (i.t.)	8	40	32	27	29	27	23	600	514	445	1702	1596	1104
Measles virus vaccine (i.t.) 0.3 (mL/body)	11	38	31	27	12	15	15	652	481	466	1497	1209	750
	12	52	39	24	30	24	19	766	539	614	1240	1674	802
	Mean	45.0	35.0	25.5	21.0	19.5	17.0	709.0	510.0	540.0	1368.5	1441.5	776.0

Notes) ASAT : Aspartate aminotransferase
ALAT : Alanine aminotransferase
ALP : Alkaline phosphatase
LDH : Lactate dehydrogenase

i.n. : intranasal administration
i.t. : intratracheal administration

Table 5-2 Blood chemistry in male cynomolgus monkeys

Study No. : SBL81-20

Group	Animal No.\Day	G-GTP (IU/l)			CPK (IU/l)			T.Bil. (mg/dl)			T.Prot. (g/dl)		
		Pre	6	13	Pre	6	13	Pre	6	13	Pre	6	13
Control (i.n.)	1	29.5	28.5	27.8	154	141	271	0.43	0.22	0.26	8.9	8.2	7.9
	2	52.0	47.0	46.0	259	1253	94	0.23	0.20	0.28	8.0	7.7	8.0
	Mean	40.75	37.75	36.90	206.5	697.0	182.5	0.330	0.210	0.270	8.45	7.95	7.95
Measles virus vaccine (i.n.) 0.5 (mL/body)	4	61.3	55.5	55.0	3954	129	114	0.28	0.16	0.21	7.5	7.8	7.7
	5	34.5	33.4	34.2	608	115	183	0.32	0.27	0.25	8.4	8.0	8.7
	Mean	47.90	44.45	44.60	2281.0	122.0	148.5	0.300	0.215	0.230	7.95	7.90	8.20
Control (i.t.)	8	31.5	31.0	27.6	440	138	119	0.18	0.17	0.21	7.1	7.9	7.7
Measles virus vaccine (i.t.) 0.3 (mL/body)	11	58.8	64.9	58.5	243	148	492	0.23	0.20	0.16	8.1	8.2	7.7
	12	55.5	49.9	44.1	1748	239	140	0.28	0.21	0.26	8.4	8.5	8.7
	Mean	57.15	57.40	51.30	995.5	193.5	316.0	0.255	0.205	0.210	8.25	8.35	8.20

Notes) G-GTP : Gamma - glutamyl transpeptidase
 CPK : Creatine phosphokinase
 T.Bil. : Total bilirubin
 T.Prot. : Total protein

i.n. : intranasal administration
 i.t. : intratracheal administration

Table 5-3 Blood chemistry in male cynomolgus monkeys

Study No. : SBL81-20

Group	Animal No.\Day	Albumin (g/dl)			T.Chol. (mg/dl)			TGL (mg/dl)			Glucose (mg/dl)		
		Pre	6	13	Pre	6	13	Pre	6	13	Pre	6	13
Control (i.n.)	1	5.2	4.6	4.8	215	194	199	43	35	62	119	128	99
	2	5.2	5.1	5.2	129	133	136	56	69	87	116	119	93
	Mean	5.20	4.85	5.00	172.0	163.5	167.5	49.5	52.0	74.5	117.5	123.5	96.0
Measles virus vaccine (i.n.) 0.5 (mL/body)	4	4.3	4.4	4.5	119	186	168	140	51	67	84	63	89
	5	4.9	4.9	5.1	130	138	187	65	81	118	85	87	68
	Mean	4.60	4.65	4.80	124.5	162.0	177.5	102.5	66.0	92.5	84.5	75.0	78.5
Control (i.t.)	8	4.5	4.8	4.8	83	130	122	79	67	114	84	70	83
Measles virus vaccine (i.t.) 0.3 (mL/body)	11	5.3	5.2	5.0	152	172	170	63	41	48	102	89	105
	12	5.2	5.3	5.3	89	118	144	43	46	68	154	147	123
	Mean	5.25	5.25	5.15	120.5	145.0	157.0	53.0	43.5	58.0	128.0	118.0	114.0

Notes) T.Chol. : Total cholesterol
TGL : Triglyceride
i.n. : intranasal administration
i.t. : intratracheal administration

Table 5-4

Blood chemistry in male cynomolgus monkeys

Study No. : SBL81-20

Group	Animal No.\Day	BUN (mg/dl)			Creat. (mg/dl)			IP (mg/dl)			Ca (mg/dl)		
		Pre	6	13	Pre	6	13	Pre	6	13	Pre	6	13
Control (i.n.)	1	20.7	21.2	25.1	0.67	0.67	0.82	6.28	5.97	4.74	10.7	10.4	10.7
	2	22.4	26.6	25.2	0.73	0.75	0.77	3.26	3.97	3.10	11.0	11.0	9.8
	Mean	21.55	23.90	25.15	0.700	0.710	0.795	4.770	4.970	3.920	10.85	10.70	10.25
Measles virus vaccine (i.n.) 0.5 (mL/body)	4	26.8	25.8	29.0	0.60	0.60	0.62	2.75	3.43	1.73	10.6	10.2	9.6
	5	24.3	27.5	37.6	0.71	0.84	0.96	5.96	3.34	4.10	10.5	10.6	10.8
	Mean	25.55	26.65	33.30	0.655	0.720	0.790	4.355	3.385	2.915	10.55	10.40	10.20
Control (i.t.)	8	31.9	29.0	32.0	0.74	0.81	0.76	3.26	5.11	3.05	10.3	10.8	10.8
Measles virus vaccine (i.t.) 0.3 (mL/body)	11	27.4	24.8	27.5	0.87	1.01	1.01	4.14	4.59	3.73	11.6	10.8	10.0
	12	27.5	27.5	42.0	0.89	0.94	0.88	3.73	4.11	4.80	11.7	11.1	11.2
	Mean	27.45	26.15	34.75	0.880	0.975	0.945	3.935	4.350	4.265	11.65	10.95	10.60

Notes) BUN : Blood urea nitrogen
Creat. : Creatinine
IP : Inorganic phosphorus
Ca : Calcium

i.n. : intranasal administration
i.t. : intratracheal administration

Table 5-5 Blood chemistry in male cynomolgus monkeys

Study No. : SBL81-20

Group	Animal No.\Day	Na (mEq/l)			K (mEq/l)			Cl (mEq/l)		
		Pre	6	13	Pre	6	13	Pre	6	13
Control (i.n.)	1	160	154	156	4.9	5.2	5.7	114	108	110
	2	152	152	153	5.1	4.5	4.2	106	103	106
	Mean	156.0	153.0	154.5	5.00	4.85	4.95	110.0	105.5	108.0
Measles virus vaccine (i.n.) 0.5 (mL/body)	4	150	155	144	5.1	4.5	5.1	112	110	106
	5	150	155	158	5.5	6.0	5.9	106	107	112
	Mean	150.0	155.0	151.0	5.30	5.25	5.50	109.0	108.5	109.0
Control (i.t.)	8	148	153	151	5.2	5.9	5.5	102	105	103
Measles virus vaccine (i.t.) 0.3 (mL/body)	11	152	157	151	6.9	6.0	5.5	113	110	107
	12	157	159	163	5.7	6.0	5.7	110	114	120
	Mean	154.5	158.0	157.0	6.30	6.00	5.60	111.5	112.0	113.5

Notes) Na : Sodium
K : Potassium
Cl : Chloride

i.n. : intranasal administration
i.t. : intratracheal administration

Table 5-6

Blood chemistry in female cynomolgus monkeys

Study No. : SBL81-20

Group	Animal No.\Day	ASAT (IU/l)			ALAT (IU/l)			ALP (IU/l)			LDH (IU/l)		
		Pre	6	13	Pre	6	13	Pre	6	13	Pre	6	13
Control (i.n.)	3	37	34	31	50	20	22	490	368	374	1083	1721	1115
Measles virus vaccine (i.n.)													
0.5 (mL/body)	6	40	45	27	37	40	26	601	493	501	1249	1659	1200
	7	29	25	23	20	14	11	737	522	497	1003	1127	952
	Mean	34.5	35.0	25.0	28.5	27.0	18.5	669.0	507.5	499.0	1126.0	1393.0	1076.0
Control (i.t.)	9	47	32	25	78	41	26	599	489	508	1209	950	805
	10	47	36	25	29	22	18	592	418	366	1239	1139	778
	Mean	47.0	34.0	25.0	53.5	31.5	22.0	595.5	453.5	437.0	1224.0	1044.5	791.5
Measles virus vaccine (i.t.)													
0.3 (mL/body)	13	31	23	18	49	24	22	696	445	415	1012	842	585
	14	23	21	12	34	23	22	536	427	365	975	921	589
	Mean	27.0	22.0	15.0	41.5	23.5	22.0	616.0	436.0	390.0	993.5	881.5	587.0

Notes) ASAT : Aspartate aminotransferase
ALAT : Alanine aminotransferase
ALP : Alkaline phosphatase
LDH : Lactate dehydrogenase

i.n. : intranasal administration
i.t. : intratracheal administration

Table 5-7

Blood chemistry in female cynomolgus monkeys

Study No. : SBL81-20

Group	Animal No.\Day	G-GTP (IU/l)			CPK (IU/l)			T.Bil. (mg/dl)			T.Prot. (g/dl)		
		Pre	6	13	Pre	6	13	Pre	6	13	Pre	6	13
Control (i.n.)	3	43.1	39.4	38.4	291	103	109	0.30	0.21	0.26	8.1	7.8	7.8
Measles virus vaccine (i.n.)													
0.5 (mL/body)	6	58.2	62.1	61.1	407	191	169	0.30	0.33	0.28	8.4	7.6	7.6
	7	51.6	49.5	46.6	267	247	130	0.18	0.20	0.20	8.0	7.5	7.1
	Mean	54.90	55.80	53.85	337.0	219.0	149.5	0.240	0.265	0.240	8.20	7.55	7.35
Control (i.t.)													
	9	41.8	41.6	38.0	147	597	803	0.20	0.21	0.23	7.5	8.1	7.6
	10	35.6	39.1	35.9	180	165	136	0.18	0.18	0.20	8.5	8.6	8.3
	Mean	38.70	40.35	36.95	163.5	381.0	469.5	0.190	0.195	0.215	8.00	8.35	7.95
Measles virus vaccine (i.t.)													
0.3 (mL/body)	13	33.5	31.7	30.2	221	113	169	0.25	0.23	0.24	7.5	7.7	7.7
	14	45.6	44.4	44.7	174	135	118	0.30	0.23	0.19	7.5	8.4	8.0
	Mean	39.55	38.05	37.45	197.5	124.0	143.5	0.275	0.230	0.215	7.50	8.05	7.85

Notes) G-GTP : Gamma - glutamyl transpeptidase
 CPK : Creatine phosphokinase
 T.Bil. : Total bilirubin
 T.Prot. : Total protein

i.n. : intranasal administration
 i.t. : intratracheal administration

Table 5-8

Blood chemistry in female cynomolgus monkeys

Study No. : SBL81-20

Group	Animal No.\Day	Albumin (g/dl)			T.Chol. (mg/dl)			TGL (mg/dl)			Glucose (mg/dl)		
		Pre	6	13	Pre	6	13	Pre	6	13	Pre	6	13
Control (i.n.)	3	4.8	4.7	4.6	159	141	139	32	24	32	79	97	109
Measles virus vaccine (i.n.)													
0.5 (mL/body)	6	5.4	5.0	5.1	117	107	130	43	70	33	105	86	89
	7	5.2	4.7	4.5	149	133	133	39	48	34	74	79	111
	Mean	5.30	4.85	4.80	133.0	120.0	131.5	41.0	59.0	33.5	89.5	82.5	100.0
Control (i.t.)	9	4.3	4.4	4.3	95	141	139	74	41	56	75	64	93
	10	4.3	4.6	4.4	121	128	119	24	31	20	61	67	73
	Mean	4.30	4.50	4.35	108.0	134.5	129.0	49.0	36.0	38.0	68.0	65.5	83.0
Measles virus vaccine (i.t.)													
0.3 (mL/body)	13	3.9	4.2	4.2	75	95	98	122	47	79	81	58	77
	14	4.8	4.9	4.8	97	116	115	37	67	51	109	96	82
	Mean	4.35	4.55	4.50	86.0	105.5	106.5	79.5	57.0	65.0	95.0	77.0	79.5

Notes) T.Chol. : Total cholesterol
TGL : Triglyceride
i.n. : intranasal administration
i.t. : intratracheal administration