Sprague Dawley

Hsd:Sprague Dawley®SD®
Study C11963
Group 1 Males - Feed

Complete Blood Count	Units	28 days n = 20	13 weeks n = 20	26 weeks n = 20	104 weeks n = 19
Erythrocytes	T/l	9.05 ± 0.32	9.41 ± 0.32	9.61 ± 0.40	8.78 ± 0.56
Hemoglobin	mmol/l	10.6 ± 0.3	10.6 ± 0.2	10.8 ± 0.3	10.1 ± 0.5
Hematocrit	rel. 1	0.47 ± 0.01	0.47 ± 0.01	0.48 ± 0.02	0.46 ± 0.03
Mean Corpuscular Volume	fl	52 ± 1.4	49.6 ± 1.0	50.3 ± 0.8	53 ± 1.6
Red Cell Vol. Distr. Width	rel. 1	0.111 ± 0.003	0.123 ± 0.002	0.124 ± 0.003	0.134 ± 1.15
Mean Corpuscular Hemoglobin	fmol	1.17 ± 0.03	1.12 ± 0.03	1.12 ± 0.03	1.15 ± 0.04
Mean Corpuscular Hemoglobin Conc.	mmol/l	22.43 ± 0.16	22.60 ± 0.22	22.35 ± 0.31	21.66 ± 0.27
Hemoglobin Conc. Distr. Width	mmol/l	1.68 ± 0.06	1.84 ± 0.06	1.86 ± 0.06	2.06 ± 0.11
Reticulocyte (Rel)*	rel. 1	0.021 ± 0.003	0.019 ± 0.002	0.021 ± 0.002	0.028 ± 0.01
Reticulocyte (Abs)	G/l	193 ± 27	174 ± 14	197 ± 22	247 ± 40
Maturity Index (L-Reti)*	rel. 1	0.561 ± 0.038	0.687 ± 0.029	0.592 ± 0.038	0.609 ± 0.067
Maturity Index (M-Reti)*	rel. 1	0.349 ± 0.016	0.268 ± 0.022	0.331 ± 0.025	0.331 ± 0.037
Maturity Index (H-Reti)*	rel. 1	0.088 ± 0.029	0.043 ± 0.014	0.074 ± 0.018	0.079 ± 0.03
Leukocytes, Total	G/l	12.36 ± 1.93	9.43 ± 1.27	10.72 ± 1.60	10.79 ± 2.93
Neutrophils *	rel. 1	0.142 ± 0.057	0.241 ± 0.068	0.234 ± 0.091	0.314 ± 0.073
Eosinophils *	rel. 1	0.011 ± 0.003	0.018 ± 0.004	0.020 ± 0.005	0.023 ± 0.01
Basophils *	rel. 1	0.007 ± 0.001	0.006 ± 0.002	0.007 ± 0.002	0.003 ± 0.00
Lymphocytes*	rel. 1	0.794 ± 0.057	0.695 ± 0.070	0.689 ± 0.092	0.603 ± 0.08
Monocytes*	rel. 1	0.029 ± 0.006	0.028 ± 0.007	0.038 ± 0.006	0.52 ± 0.01
Large Unstained Cells*	rel. 1	0.013 ± 0.005	0.007 ± 0.002	0.009 ± 0.002	0.005 ± 0.001
Neutrophils	G/l	1.91 ± 0.76	2.22 ± 0.79	2.63 ± 1.31	3.39 ± 1.77
Eosinophils	G/l	0.13 ± 0.04	0.16 ± 0.03	0.22 ± 0.06	0.24 ± 0.07
Basophils	G/l	0.08 ± 0.02	0.06 ± 0.02	0.08 ± 0.03	0.03 ± 0.01
Lymphocytes	G/l	9.71 ± 1.69	6.66 ± 0.93	7.29 ± 1.04	6.49 ± 1.40
Monocytes	G/l	0.37 ± 0.10	0.27 ± 0.08	0.41 ± 0.07	0.55 ± 0.22
Large Unstained Cells	G/l	0.16 ± 0.05	0.06 ± 0.02	0.10 ± 0.02	0.06 ± 0.02
Thrombocytes (Platelets)	G/l	888 ± 88	848 ± 104	894 ± 116	941 ± 188
Prothrombin Time*	rel. 1	0.87 ± 0.05	0.89 ± 0.07	0.84 ± 0.11	0.87 ± 0.08
Partial Thromboplastin Time *	sec	27.5 ± 1.7	26.1 ± 1.3	25.5 ± 2.4	20.9 ± 2.4

Data represents average ± one standard deviation

* Data represents median ± one standard deviation

Sprague Dawley

Hsd:Sprague Dawley®SD®
Study C11963
Group 2 Males - Gavage

Complete Blood Count	Units	28 days n = 19	13 weeks n = 20	26 weeks n = 20	104 weeks n = 21
Erythrocytes	T/l	8.86 + 0.27	9.6 + 0.293	9.44 + 0.33	8.97 + 0.8
Hemoglobin	mmol/l	10.4 + 0.2	10.5 + 0.3	10.7 + 0.3	10.1 + 0.73
Hematocrit	rel. 1	0.46 + 0.01	0.47 + 0.01	0.47 + 0.02	0.47 + 0.03
Mean Corpuscular Volume	fl	51.8 + 1.2	49.7 + 1.4	50.3 + 0.8	53 + 1.9
Red Cell Vol. Distr. Width	rel. 1	0.112 + 0.003	0.124 + 0.003	0.123 + 0.003	0.136 + 0.01
Mean Corpuscular Hemoglobin	fmol	1.17 + 0.03	1.12 + 0.03	1.13 + 0.03	1.14 + 0.04
Mean Corpuscular Hemoglobin Conc.	mmol/l	22.58 + 0.29	22.59 + 0.23	22.49 + 0.39	21.49 + 0.38
Hemoglobin Conc. Distr. Width	mmol/l	1.74 + 0.07	1.81 + 0.06	1.84 + 0.06	2.04 + 0.13
Reticulocyte (Rel)*	rel. 1	0.021 + 0.003	0.20 + 0.002	0.021 + 0.002	0.027 + 0.02
Reticulocyte (Abs)	G/l	185 + 27	183 + 19	201 + 22	273 + 109
Maturity Index (L-Reti)*	rel. 1	0.560 + 0.034	0.644 + 0.038	0.605 + 0.030	0.610 + 0.06
Maturity Index (M-Reti)*	rel. 1	0.344 + 0.022	0.297 + 0.032	0.325 + 0.020	0.323 + 0.03
Maturity Index (H-Reti)*	rel. 1	0.094 + 0.018	0.062 + 0.13	0.070 + 0.015	0.071 + 0.026
Leukocytes, Total	G/l	11.54 + 1.28	8.45 + 1.48	9.14 + 1.15	9.46 + 3.15
Neutrophils *	rel. 1	0.149 + 0.038	0.266 + 0.079	0.189 + 0.060	0.303 + 0.05
Eosinophils *	rel. 1	0.012 + 0.006	0.020 + 0.004	0.020 + 0.004	0.023 + 0.01
Basophils *	rel. 1	0.006 + 0.001	0.006 + 0.002	0.007 + 0.002	0.003 + 0.00
Lymphocytes*	rel. 1	0.790 + 0.038	0.672 + 0.080	0.735 + 0.061	0.62 + 0.05
Monocytes*	rel. 1	0.027 + 0.005	0.025 + 0.007	0.035 + 0.006	0.051 + 0.009
Large Unstained Cells*	rel. 1	0.012 + 0.003	0.006 + 0.002	0.008 + 0.002	0.006 + 0.002
Neutrophils	G/l	1.77 + 0.48	2.28 + 0.74	1.92 + 0.73	2.79 + 0.96
Eosinophils	G/l	0.15 + 0.08	0.17 + 0.04	0.18 + 0.04	0.22 + 0.09
Basophils	G/l	0.07 + 0.02	0.05 + 0.02	0.07 + 0.02	0.03 + 0.02
Lymphocytes	G/l	9.11 + 1.16	5.66 + 1.14	6.57 + 0.76	5.94 + 2.1
Monocytes	G/l	0.31 + 0.07	0.23 + 0.09	0.32 + 0.07	0.50 + 0.25
Large Unstained Cells	G/l	0.13 + 0.04	0.06 + 0.02	0.08 + 0.02	0.06 + 0.03
Thrombocytes (Platelets)	G/l	887 + 102	798 + 109	886 + 97	886 + 145
Prothrombin Time*	rel. 1	0.89 + 0.09**	0.94 + 0.06	0.86 + 0.09	0.90 + 0.08
Partial Thromboplastin Time *	sec	27.7 + 1.9**	26.2 + 1.5	25.8 + 2.1	20.7 + 2.9

Data represents average ± one standard deviation

* Data represents median ± one standard deviation

Sprague Dawley

Hsd:Sprague Dawley®SD®

Study C11963

Group 1 Females - Feed

Complete Blood Count	Units	28 days n = 19	13 weeks n = 20	26 weeks n = 20	104 weeks n = 29
Erythrocytes	T/l	8.35 + 0.25	8.23 + 0.21	8.36 + 0.29	7.52 + 1.0
Hemoglobin	mmol/l	9.9 + 0.3	9.9 + 0.2	10.0 + 0.3	9.14 + 1.2
Hematocrit	rel. 1	0.43 + 0.01	0.43 + 0.01	0.44 + 0.01	0.43 + 0.05
Mean Corpuscular Volume	fl	51.8 + 1.0	51.7 + 0.7	52.7 + 0.9	57 + 2.8
Red Cell Vol. Distr. Width	rel. 1	0.108 + 0.003	0.115 + 0.003	0.113 + 0.003	0.128 + 0.02
Mean Corpuscular Hemoglobin	fmol	1.19 + 0.03	1.21 + 0.03	1.20 + 0.02	1.22 + 0.05
Mean Corpuscular Hemoglobin Conc.	mmol/l	22.88 + 0.26	23.36 + 0.29	22.67 + 0.27	21.31 + 0.87
Hemoglobin Conc. Distr. Width	mmol/l	1.64 + 0.08	1.70 + 0.07	1.65 + 0.05	1.71 + 0.13
Reticulocyte (Rel)*	rel. 1	0.021 + 0.004	0.022 + 0.005	0.020 + 0.006	0.023 + 0.03
Reticulocyte (Abs)	G/l	188 + 33	177 + 38	182 + 47	207 + 125
Maturity Index (L-Reti)*	rel. 1	0.535 + .055	0.671 + 0.071	0.593 + 0.052	0.984 + 0.05
Maturity Index (M-Reti)*	rel. 1	0.349 + 0.022	0.293 + 0.052	0.338 + 0.033	0.016 + 0.05
Maturity Index (H-Reti)*	rel. 1	0.121 + 0.039	0.044 + 0.022	0.070 + 0.025	0.00 + 0.00
Leukocytes, Total	G/l	8.22 + 1.74	5.76 + 1.45	5.92 + 1.45	5.42 + 1.6
Neutrophils *	rel. 1	0.133 + 0.024	0.160 + 0.045	0.144 + 0.029	0.326 + 0.10
Eosinophils *	rel. 1	0.014 + 0.003	0.023 + 0.008	0.032 + 0.009	0.024 + 0.01
Basophils *	rel. 1	0.005 + 0.001	0.008 + 0.002	0.008 + 0.002	0.004 + 0.00
Lymphocytes*	rel. 1	0.810 + 0.027	0.785 + 0.048	0.773 + 0.032	0.589 + 0.10
Monocytes*	rel. 1	0.023 + 0.005	0.020 + 0.004	0.031 + 0.007	0.041 + 0.01
Large Unstained Cells*	rel. 1	0.012 + 0.004	0.005 + 0.002	0.008 + 0.002	0.008 + 0.01
Neutrophils	G/l	1.1 + 0.35	0.85 + 0.26	0.89 + 0.35	1.86 + 0.89
Eosinophils	G/l	0.12 + 0.04	0.13 + 0.05	0.19 + 0.06	0.13 + 0.05
Basophils	G/l	0.04 + 0.02	0.04 + 0.02	0.05 + 0.01	0.02 + 0.01
Lymphocytes	G/l	6.64 + 1.36	4.58 + 1.33	4.55 + 1.05	3.14 + 0.97
Monocytes	G/l	0.20 + 0.05	0.12 + 0.04	0.19 + 0.06	0.24 + 0.10
Large Unstained Cells	G/l	0.11 + 0.04	0.03 + 0.01	0.05 + 0.02	0.05 + 0.02
Thrombocytes (Platelets)	G/l	998 + 87	837 + 80	852 + 75	894 + 258
Prothrombin Time*	rel. 1	0.85 + 0.05**	0.85 + 0.07	0.84 + 0.09	0.87 + 0.10
Partial Thromboplastin Time *	sec	25.8 + 2.0**	27.2 + 1.9	29.5 + 3.3	26.2 + 3.4

Data represents average ± one standard deviation

* Data represents median ± one standard deviation

Sprague Dawley

Hsd:Sprague Dawley®SD®

Study C11963

Group 2 Females - Gavage

Complete Blood Count	Units	28 days n = 20	13 weeks n = 19	26 weeks n = 18	104 weeks n = 28
Erythrocytes	T/l	8.32 + 0.27	8.16 + 0.24	8.21 + 0.27	7.92 + 0.78
Hemoglobin	mmol/l	10.0 + 0.2	9.8 + 0.3	9.8 + 0.3	9.4 + 0.81
Hematocrit	rel. 1	0.44 + 0.01	0.43 + 0.01	0.43 + 0.01	0.45 + 0.03
Mean Corpuscular Volume	fl	52.4 + 0.9	52.2 + 1.3	52.2 + 1.2	57 + 3.0
Red Cell Vol. Distr. Width	rel. 1	0.109 + 0.003	0.116 + 0.004	0.112 + 0.002	0.124 + 0.01
Mean Corpuscular Hemoglobin	fmol	1.20 + 0.02	1.20 + 0.03	1.19 + 0.03	1.19 + 0.05
Mean Corpuscular Hemoglobin Conc.	mmol/l	22.87 + 0.19	23.05 + 0.19	22.78 + 0.24	21.06 + 0.45
Hemoglobin Conc. Distr. Width	mmol/l	1.67 + 0.07	1.67 + 0.06	1.64 + 0.06	1.71 + 0.18
Reticulocyte (Rel)*	rel. 1	0.021 + 0.005	0.025 + 0.004	0.022 + 0.003	0.02 + 0.01
Reticulocyte (Abs)	G/l	186 + 36	208 + 34	187 + 26	181 + 73
Maturity Index (L-Reti)*	rel. 1	0.524 + 0.060	0.635 + 0.050	0.593 + 0.044	0.980 + 0.02
Maturity Index (M-Reti)*	rel. 1	0.347 + 0.027	0.317 + 0.027	0.336 + 0.029	0.019 + 0.02
Maturity Index (H-Reti)*	rel. 1	0.133 + 0.037	0.051 + 0.025	0.066 + 0.024	0.00 + 0.00
Leukocytes, Total	G/l	8.09 + 1.74	4.76 + 1.14	5.42 + 1.24	5.44 + 1.9
Neutrophils *	rel. 1	0.116 + 0.026	0.127 + 0.036	0.161 + 0.036	0.351 + 0.09
Eosinophils *	rel. 1	0.016 + 0.005	0.023 + 0.007	0.024 + 0.006	0.024 + 0.01
Basophils *	rel. 1	0.005 + 0.001	0.007 + 0.003	0.008 + 0.002	0.005 + 0.001
Lymphocytes*	rel. 1	0.823 + 0.027	0.821 + 0.039	0.764 + 0.037	0.576 + 0.10
Monocytes*	rel. 1	0.026 + 0.005	0.020 + 0.007	0.027 + 0.007	0.043 + 0.01
Large Unstained Cells*	rel. 1	0.013 + 0.003	0.005 + 0.002	0.008 + 0.002	0.008 + 0.004
Neutrophils	G/l	0.95 + 0.25	0.65 + 0.27	0.93 + 0.38	2.04 + 1.32
Eosinophils	G/l	0.13 + 0.05	0.11 + 0.04	0.14 + 0.04	0.13 + 0.05
Basophils	G/l	0.04 + 0.02	0.03 + 0.02	0.04 + 0.01	0.02 + 0.01
Lymphocytes	G/l	6.65 + 1.48	3.84 + 0.91	4.11 + 0.88	2.95 + 0.63
Monocytes	G/l	0.21 + 0.08	0.11 + 0.04	0.15 + 0.06	0.24 + 0.14
Large Unstained Cells	G/l	0.10 + 0.04	0.03 + 0.01	0.05 + 0.01	0.05 + 0.04
Thrombocytes (Platelets)	G/l	1022 + 96	865 + 96	916 + 100	885 + 201
Prothrombin Time*	rel. 1	0.88 + 0.05	0.89 + 0.07	0.86 + 0.06**	0.94 + 0.12
Partial Thromboplastin Time *	sec	25.5 + 2.0	27.2 + 2.1	28.9 + 4.7**	26.2 + 2.9

Data represents average ± one standard deviation

* Data represents median ± one standard deviation

Sprague Dawley

Hsd:Sprague Dawley®SD®

Study C11963

Group 1 Males - Feed

Serum Chemistry	Units	28 days n = 20	13 weeks n = 20	26 weeks n = 20	104 weeks n = 19
Glucose	mmol/l	4.86 + 0.39	6.48 + 0.61	5.65 + 0.95	6.09 + 1.31
Urea	mmol/l	6.47 + 0.64	6.29 + 0.60	6.65 + 1.27	6.88 + 2.70
Creatinine	µmol/l	26.7 + 2.50	29.2 + 2.50	32.1 + 4.20	43.9 + 18.7
Total Bilirubin	µmol/l	1.5 + 0.28	1.74 + 1.50	2.17 + 1.13	1.87 + 0.45
Cholesterol	mmol/l	2.61 + 0.27	2.70 + 0.31	2.79 + 0.43	7.40 + 1.56
Triglycerides	mmol/l	0.36 + 0.10	0.45 + 0.17	0.84 + 0.36	1.21 + 0.66
Phospholipids	mmol/l	1.74 + 0.13	1.84 + 0.27	1.46 + 0.16	3.91 + 0.65
ASAT	U/l	89.5 + 12.0	74.5 + 7.60	85.1 + 51.7	66.2 + 16.0
ALAT	U/l	40.6 + 7.0	40.2 + 5.00	70.7 + 114.4	36.9 + 12.5
LDH	U/l	197.3 + 47.1	136.1 + 37.8	194.9 + 83.9	156.1 + 52.1
GLDH	U/l	2.5 + 1.8*	3.4 + 1.3**	2.7 + 1.0†	9.7 + 13.4
ALP	U/l	100.9 + 9.70	62.6 + 8.90	126.5 + 309.8	52.0 + 15.9
GGT	U/l	0	0	0.12 + 0.5	0.30 + 1.4
Creatine Kinase	U/l	211.5 + 130.3	148.8 + 70.7	149.4 + 94.6	136.8 + 75.3
Sodium	mmol/l	144.8 + 0.80	143.5 + 1.10	143.1 + 1.10	147.1 + 1.40
Potassium	mmol/l	3.73 + 0.18	4.04 + 0.23	4.07 + 0.32	3.76 + 0.22
Chloride	mmol/l	100.1 + 1.00	103.2 + 1.00	101.9 + 1.10	104.6 + 1.62
Calcium	mmol/l	2.65 + 0.06	2.67 + 0.05	2.67 + 0.05	2.75 + 0.07
Phosphorus	mmol/l	2.31 + 0.15	1.87 + 0.11	1.69 + 0.14	1.41 + 0.14
Protein	g/l	71.16 + 1.67	71.61 + 2.24	71.85 + 2.41	72.61 + 2.77
Albumin	g/l	42.24 + 0.74	40.43 + 1.08	40.11 + 1.64	34.01 + 2.97

Data represents average ± one standard deviation

* n = 8

** n = 14

† n = 12

Sprague Dawley

Hsd:Sprague Dawley®SD®

Study C11963

Group 2 Males - Gavage

Serum Chemistry	Units	28 days n = 20	13 weeks n = 20	26 weeks n = 20	104 weeks n = 21
Glucose	mmol/l	5.51 + 0.62	5.16 + 0.50	6.08 + 0.87	5.88 + 1.12
Urea	mmol/l	7.00 + 0.79	6.42 + 0.52	6.20 + 0.57	7.68 + 5.53
Creatinine	µmol/l	27.0 + 3.00	31.1 + 2.20	29.7 + 2.70	45.7 + 25.7
Total Bilirubin	µmol/l	1.15 + 0.34	1.71 + 0.41	1.96 + 0.26	1.87 + 0.34
Cholesterol	mmol/l	2.57 + 0.28	2.71 + 0.30	2.76 + 0.48	7.18 + 1.45
Triglycerides	mmol/l	0.28 + 0.06	0.38 + 0.12	0.62 + 0.26	1.10 + 0.50
Phospholipids	mmol/l	1.64 + 0.13	1.85 + 0.27	1.46 + 0.21	3.88 + 0.59
ASAT	U/l	87.7 + 11.1	75.8 + 6.90	72.6 + 12.4	56.8 + 13.4
ALAT	U/l	38.3 + 3.70	39.2 + 5.20	46.8 + 6.60	33.1 + 6.30
LDH	U/l	171.3 + 42.2	158.2 + 35.9	138.0 + 51.0	113.8 + 24.5
GLDH	U/l	2.7 + 1.7*	3.6 + 0.9*	3.0 + 1.0**	6.98 + 5.13
ALP	U/l	97.7 + 14.8	68.9 + 8.90	60.8 + 11.4	50.6 + 11.9
GGT	U/l	0	0	0	0.10 + 0.48
Creatine Kinase	U/l	195.5 + 94.1	141.6 + 39.1	117.0 + 27.7	93.3 + 25.0
Sodium	mmol/l	146.1 + 1.00	146.0 + 1.20	144.1 + 0.90	147.6 + 1.43
Potassium	mmol/l	3.74 + 0.19	4.13 + 0.17	4.1 + 0.19	3.74 + 0.32
Chloride	mmol/l	101.7 + 1.00	104.8 + 1.20	103.3 + 0.80	104.8 + 1.40
Calcium	mmol/l	2.61 + 0.05	2.68 + 0.06	2.67 + 0.05	2.66 + 0.51
Phosphorus	mmol/l	2.27 + 0.12	1.78 + 0.08	1.73 + 0.10	1.52 + 0.29
Protein	g/l	68.88 + 1.63	73.04 + 2.24	70.85 + 2.03	73.0 + 2.50
Albumin	g/l	41.34 + 0.81	41.06 + 0.79	40.24 + 1.15	34.7 + 3.11

Data represents average ± one standard deviation

* n = 14

** n = 13

Sprague Dawley

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Study C11963

Group 1 Females - Feed

Serum Chemistry	Units	28 days n = 20	13 weeks n = 20	26 weeks n = 20	104 weeks n = 29
Glucose	mmol/l	5.18 + 0.40	6.04 + 0.60	6.12 + 0.74	6.02 + 1.48
Urea	mmol/l	6.47 + 0.62	7.02 + 0.75	7.42 + 1.06	5.98 + 2.8
Creatinine	µmol/l	32.9 + 3.30	40.7 + 3.90	41.4 + 4.00	29.6 + 4.9
Total Bilirubin	µmol/l	1.56 + 0.49	2.44 + 0.47	3.33 + 0.92	6.99 + 6.14
Cholesterol	mmol/l	2.53 + 0.44	2.80 + 0.50	2.99 + 0.56	4.56 + 1.18
Triglycerides	mmol/l	0.22 + 0.06	0.28 + 0.05	0.33 + 0.09	0.90 + 0.97
Phospholipids	mmol/l	1.81 + 0.31	2.19 + 0.31	1.84 + 0.32	3.33 + 0.67
ASAT	U/l	88.0 + 7.80	79.4 + 8.00	75.1 + 12.1	74.1 + 25.4
ALAT	U/l	31.7 + 4.50	30.8 + 8.40	32.6 + 6.70	31.4 + 7.11
LDH	U/l	227.9 + 51.1	121.5 + 35.8	167.0 + 60.0	155.6 + 76.9
GLDH	U/l	2.3 + 0.80*	2.8 + 1.4	3.3 + 4.3	10.4 + 14.0
ALP	U/l	78.2 + 10.9	50.4 + 14.1	39.3 + 9.60	25.8 + 9.63
GGT	U/l	0	0	0	0
Creatine Kinase	U/l	186.2 + 54.2	128.2 + 38.3	144.6 + 101.7	102.1 + 35.7
Sodium	mmol/l	145.8 + 0.90	147.0 + 1.60	143.8 + 1.20	143.5 + 1.43
Potassium	mmol/l	3.56 + 0.14	3.75 + 0.19	3.75 + 0.20	3.63 + 0.34
Chloride	mmol/l	102.7 + 1.10	108.6 + 1.4	105.1 + 1.40	103.0 + 1.60
Calcium	mmol/l	2.63 + 0.04	2.65 + 0.06	2.69 + 0.05	2.68 + 0.08
Phosphorus	mmol/l	2.09 + 0.12	1.66 + 0.14	1.51 + 0.19	1.30 + 0.21
Protein	g/l	68.45 + 1.49	70.24 + 2.48	72.02 + 2.45	73.5 + 3.81
Albumin	g/l	43.68 + 1.44	44.81 + 2.40	47.04 + 1.89	45.2 + 3.76

Data represents average ± one standard deviation

* n = 12

Sprague Dawley

Hsd:Sprague Dawley®SD®

Study C11963

Group 2 Females - Gavage

Serum Chemistry	Units	28 days n = 20	13 weeks n = 19	26 weeks n = 19	104 weeks n = 28
Glucose	mmol/l	5.3 + 0.33	5.8 + 0.63	6.98 + 0.74	6.47 + 1.63
Urea	mmol/l	6.69 + 0.76◊	7.22 + 0.72	7.59 + 0.98	5.91 + 1.55
Creatinine	µmol/l	32.1 + 3.50	39.8 + 3.30	41.0 + 3.80	31.5 + 6.70
Total Bilirubin	µmol/l	1.39 + 0.20◊	2.93 + 0.58*	2.66 + 0.57	14.2 + 1.54
Cholesterol	mmol/l	2.59 + 0.36	3.08 + 0.43	3.09 + 0.52	5.04 + 1.52
Triglycerides	mmol/l	0.25 + 0.08	0.29 + 0.04	0.29 + 0.05	0.86 + 0.56
Phospholipids	mmol/l	1.86 + 0.27*	2.52 + 0.33*	1.91 + 0.31	3.68 + 0.90
ASAT	U/l	84.9 + 6.10◊	78.4 + 8.10	75.6 + 14.6	70.9 + 25.2
ALAT	U/l	29.6 + 3.70	30.1 + 4.0	35.2 + 4.80	34.1 + 16.1
LDH	U/l	189.3 + 56.5	180.3 + 46.2	138.1 + 34.4	160.4 + 83.5
GLDH	U/l	1.7 + 0.7‡	2.4 + 1.2**	3.1 + 2.3†	10.4 + 15.6
ALP	U/l	72.1 + 7.10*	44.8 + 5.80	39.9 + 7.40	34.4 + 61.3
GGT	U/l	0	0	0	0.59 + 3.10
Creatine Kinase	U/l	171.5 + 32.8	155.1 + 70.8	116.1 + 83.0	134.4 + 80.0
Sodium	mmol/l	144.2 + 1.10	150.0 + 1.10	145.2 + 1.30	143.3 + 1.44
Potassium	mmol/l	3.67 + 0.17◊	4.01 + 0.27	3.95 + 0.15	3.56 + 0.45
Chloride	mmol/l	102.3 + 1.30◊	111.5 + 2.0	107.2 + 1.30	101.2 + 4.12
Calcium	mmol/l	2.63 + 0.04◊	2.72 + 0.05	2.68 + 0.05	2.72 + 0.09
Phosphorus	mmol/l	2.08 + 0.18	1.57 + 0.17	1.47 + 0.20	1.37 + 0.22
Protein	g/l	66.67 + 1.65	72.78 + 2.34	75.00 + 3.88	75.1 + 4.58
Albumin	g/l	43.06 + 0.98*	45.09 + 3.67	48.3 + 3.37	45.7 + 4.95

Data represents average ± one standard deviation

† n = 15

‡ n = 10

* n = 18

** n = 12

◊ n = 19

Sprague Dawley

Hsd:Sprague Dawley®SD®

Study C11963

Serum Chemistry Reference Ranges

Group 1 Males - Feed	Units	28 days	13 weeks	26 weeks	104 weeks
Glucose	mmol/l	4.07 - 5.7	5.46 - 7.75	4.31 - 8.7	2.72 - 8.91
Urea	mmol/l	5.53 - 7.81	5.15 - 7.46	4.98 - 10.77	3.79 - 14.46
Creatinine	µmol/l	22.1 - 30.8	23.9 - 33.1	26 - 43.1	24.5 - 90.4
Total Bilirubin	µmol/l	1.04 - 2.02	1.5 - 2.26	1.32 - 6.08	1.04 - 2.73
Cholesterol	mmol/l	2.11 - 3.29	2.08 - 3.21	2.14 - 3.71	4.69 - 10.82
Triglycerides	mmol/l	0.19 - 0.65	0.17 - 0.96	0.27 - 1.72	0.6 - 3.31
Phospholipids	mmol/l	1.46 - 1.94	0.89 - 2.11	1.11 - 1.73	2.75 - 5.28
ASAT	U/l	74.3 - 114.1	60.5 - 94.8	62 - 301.4	51.1 - 108.2
ALAT	U/l	26.2 - 57.4	30.1 - 48.5	36.9 - 556.4	24.3 - 82.4
LDH	U/l	130.6 - 286.7	77.5 - 210.9	91 - 381.1	81.9 - 279.9
GLDH	U/l	1.0 - 6.5	1.5 - 6.2	0.8 - 4.6	1.1 - 51.1
ALP	U/l	86.1 - 120	50.0 - 81.0	45.7 - 1442.5	30.2 - 91.2
GGT	U/l	0 - 0	0 - 0	0 - 2.3	0 - 6.1
Creatine Kinase	U/l	133.2 - 653.1	88.1 - 412.1	81.8 - 516.9	66.3 - 373.7
Sodium	mmol/l	143.3 - 146.6	141.5 - 145.1	140.9 - 145.2	144.9 - 149.6
Potassium	mmol/l	3.27 - 4.04	3.74 - 4.49	3.66 - 4.72	3.32 - 4.28
Chloride	mmol/l	98.2 - 103.2	101.6 - 105.4	98. 3 - 103.3	100.8 - 107.2
Calcium	mmol/l	2.57 - 2.77	2.57 - 2.75	2.59 - 2.77	2.64 - 2.88
Phosphorus	mmol/l	2.14 - 2.63	1.7 - 2.08	1.51 - 1.97	1.19 - 1.67
Protein	g/l	67.2 - 73.86	67.18 - 75.55	68.73 - 76.56	65.4 - 77.7
Albumin	g/l	40.78 - 43.92	37.65 - 42.04	36.22 - 41.94	28.4 - 38.8

Group 2 Males - Gavage	Units	28 days	13 weeks	26 weeks	104 weeks
Glucose	mmol/l	4.60 - 7.0	4.30 - 6.4	4.79 - 8.96	2.2 - 7.23
Urea	mmol/l	6.05 - 8.16	5.2 - 7.34	5.02 - 7.29	4.16 - 29.54
Creatinine	µmol/l	23.6 - 36.1	25.8 - 33.9	23.3 - 34.7	23.4 - 121.2
Total Bilirubin	µmol/l	0.75 - 2.05	1.27 - 2.52	1.51 - 2.44	1.45 - 2.76
Cholesterol	mmol/l	2.07 - 3.23	2.18 - 3.48	2.09 - 4.18	4.79 - 9.66
Triglycerides	mmol/l	0.15 - 0.38	0.17 - 0.71	0.33 - 1.28	0.44 - 2.59
Phospholipids	mmol/l	1.44 - 1.96	0.98 - 2.33	1.18 - 2.12	2.88 - 4.87
ASAT	U/l	65.6 - 108.6	65.1 - 94.2	57 - 114.4	18.2 - 77
ALAT	U/l	30.2 - 46.4	29.4 - 49.1	35.7 - 68.7	7.3 - 47.1
LDH	U/l	117 - 266.8	106.3 - 270.8	69.6 - 303.9	73.5 - 164.8
GLDH	U/l	1.3 - 8.3	2.3 - 5.8	1.7 - 5.6	0.9 - 17.8
ALP	U/l	65.2 - 135.6	55.8 - 96.7	42.4 - 89.8	31.5 - 81.9
GGT	U/l	0 - 0	0 - 0	0 - 0	0 - 2.2
Creatine Kinase	U/l	122.4 - 535.6	96.6 - 233.1	79.3 - 163.8	56.3 - 146.7
Sodium	mmol/l	143.2 - 147.4	144.1 - 148.2	142.3 - 145.4	39.3 - 152
Potassium	mmol/l	3.33 - 4.00	3.84 - 4.41	3.71 - 4.46	3.04 - 4.58
Chloride	mmol/l	99.2 - 103	102.7 - 106.7	101.7 - 104.7	23.7 - 108.9
Calcium	mmol/l	2.5 - 2.71	2.54 - 2.82	2.58 - 2.75	0.48 - 2.97
Phosphorus	mmol/l	2.08 - 2.48	1.66 - 2.01	1.56 - 1.89	1.24 - 2.48
Protein	g/l	66.51 - 72.03	69.46 - 78.36	67.27 - 74.24	68.6 - 77.8
Albumin	g/l	39.89 - 43.01	39.66 - 43.51	38.55 - 42.46	29.7 - 40.1

Sprague Dawley

Hsd:Sprague Dawley®SD®

Study C11963

Serum Chemistry Reference Ranges

Group 1 Females - Feed	Units	28 days	13 weeks	26 weeks	104 weeks
Glucose	mmol/l	4.52 - 5.80	5.17 - 7.33	4.99 - 7.43	3.45 - 10.82
Urea	mmol/l	5.44 - 7.99	5.73 - 8.54	5.81 - 10.36	4.35 - 20.04
Creatinine	µmol/l	26.1 - 39.4	33.3 - 51.6	36.2 - 51.1	22.6 - 47.6
Total Bilirubin	µmol/l	0.96 - 3.25	1.91 - 4.01	2.17 - 4.89	2.59 - 36.18
Cholesterol	mmol/l	1.73 - 3.58	2.04 - 4.22	2.26 - 4.44	3.06 - 8.67
Triglycerides	mmol/l	0.16 - 0.41	0.20 - 0.44	0.21 - 0.58	0.31 - 5.53
Phospholipids	mmol/l	1.22 - 2.42	1.4 - 2.84	1.41 - 2.65	2.35 - 5.55
ASAT	U/l	74.3 - 99.9	69.1 - 97.4	64.7 - 112.6	40.3 - 159.5
ALAT	U/l	24.9 - 39.2	23. 5 - 63.2	24.1 - 49.6	19.3 - 49.7
LDH	U/l	135.6 - 326.8	78.5 - 217.5	86.3 - 334.5	75.9 - 381.2
GLDH	U/l	1.4 - 3.9	1.1 - 7.2	1.3 - 187	1.1 - 59
ALP	U/l	64.8 - 133.6	36. 2 - 100.9	26.2 - 61.7	11.2 - 52.8
GGT	U/l	0 - 0	0 - 0	0 - 0	0 - 0
Creatine Kinase	U/l	132.8 - 360. 0	74.5 - 222.1	87.5 - 558.9	53 - 191.1
Sodium	mmol/l	143.5 - 147.6	144.2 - 149.9	141.8 - 145.6	141.3 - 148.6
Potassium	mmol/l	3.36 - 3.87	3.42 - 4.06	3.42 - 4.17	2.92 - 4.64
Chloride	mmol/l	100.5 - 104.8	106.6 - 112.4	102.6 - 107.7	100 - 106.2
Calcium	mmol/l	2.55 - 2.73	2.55 - 2.78	2.60 - 2.81	2.53 - 2.86
Phosphorus	mmol/l	1.85 - 2.34	1.38 - 1.96	1.14 - 1.79	0.89 - 1.93
Protein	g/l	65.65 - 71.26	65.45 - 75.39	66.67 - 75.78	65.35 - 80.55
Albumin	g/l	41.11 - 46.98	40.09 - 51.32	44.07 - 51.34	31.87 - 49.84

Group 2 Females - Gavage	Units	28 days	13 weeks	26 weeks	104 weeks
Glucose	mmol/l	4.82 - 6.21	4.26 - 7.06	6.03 - 8.53	3.59 - 9.87
Urea	mmol/l	5.51 - 8.23	6.34 - 8.84	5.78 - 9.59	3.98 - 9.06
Creatinine	µmol/l	23.1 - 38.6	32.1 - 47.2	34.3 - 49.9	21.9 - 50.6
Total Bilirubin	µmol/l	0.92 - 1.69	1.7 - 3.76	1.87 - 3.96	10.58 -16.43
Cholesterol	mmol/l	1.80 - 3.46	2.46 - 3.90	2.2 - 4.0	2.51 - 7.98
Triglycerides	mmol/l	0.13 - 0.46	0.21 - 0.39	0.21 - .0.38	0.41 - 2.72
Phospholipids	mmol/l	1.38 - 2.45	1.98 - 3.12	1.43 - 2.40	2.27 - 5.33
ASAT	U/l	73.1 - 96.8	65 - 94.2	62.2 - 131.6	38.4 - 146
ALAT	U/l	23.2 - 36.6	20.9 - 36.4	27.3 - 44.1	18.3 - 105.6
LDH	U/l	92.7 - 312.2	104 - 289.3	87.5 - 222.4	90.1 - 510.4
GLDH	U/l	0.7 - 3.1	1.0 - 5.5	0.8 - 8.2	1.3 - 74.4
ALP	U/l	54.6 - 83.7	29. 4 - 54.5	28.9 - 55.7	11.8 - 348.3
GGT	U/l	0 - 0	0 - 0	0 - 0	0 - 16.4
Creatine Kinase	U/l	113.3 - 233.3	97.9 - 346. 4	65.7 - 451.8	61.8 - 430.5
Sodium	mmol/l	142.2 - 146.3	148.3 - 152.3	143.1 - 147.6	139.3 - 145.3
Potassium	mmol/l	3.35 - 3.92	3.44 - 4.67	3.76 - 4.31	2.6 - 4.6
Chloride	mmol/l	100.5 - 104.5	109.5 - 118.7	104.8 - 109.5	91.5 - 106.7
Calcium	mmol/l	2.49 - 2.64	2.62 - 2.81	2.58 - 2.77	2.54 - 2.92
Phosphorus	mmol/l	1.82 - 2.50	1.27 - 1.86	1.12 - 1.89	0.9 - 2.03
Protein	g/l	63.12 - 69.96	68.52 - 78.52	68.58 - 84.03	64.14 - 83.74
Albumin	g/l	41.79 - 44.69	30.83 - 49.48	43.23 - 54.01	33.83 - 52.45

Sprague Dawley

Hsd:Sprague Dawley®SD®
Study C11963
Organ Weights

Group 1 Males - Feed	28 days n = 20	13 weeks n = 20	26 weeks n = 20	104 weeks n = 20
Adrenal	0.05 + 0.01	0.06 + 0.01	0.06 + 0.01	0.11 + 0.10
Brain	1.84 + 0.06	1.94 + 0.05	1.97 + 0.07	2.10 + 0.06
Epididymis	1.10 + 0.08	1.35 + 0.10	1.35 + 0.17	1.29 + 0.18
Heart	1.19 + 0.09	1.39 + 0.10	1.51 + 0.12	2.13 + 0.22
Kidneys	2.17 + 0.20	2.91 + 2.24	2.59 + 0.29	3.97 + 0.72
Liver	11.0 + 1.02	12.1 + 1.24	13.9 + 1.73	20.1 + 5.52
Spleen	0.92 + .11	0.96 + 0.11	0.991 + 0.14	1.51 + 0.31
Testicular	3.66 + 0.2	3.95 + 0.24	3.96 + 0.78	4.23 + 0.78
Thymus	0.50 + 0.1	0.31 + 0.04	0.192 + 0.06	0.13 + 0.03

Group 2 Males - Gavage	28 days n = 20	13 weeks n = 20	26 weeks n = 20	104 weeks n = 20
Adrenal	0.05 + 0.01	0.06 + 0.01	0.05 + 0.01	0.09 + 0.08
Brain	1.85 + 0.05	1.94 + 0.05	2.10 + 0.06	2.07 + 0.07
Epididymis	1.10 + 0.09	1.35 + 0.12	1.29 + 0.18	1.22 + 0.18
Heart	1.18 + 0.08	1.37 + 0.12	2.13 + 0.22	2.15 + 0.27
Kidneys	2.05 + 0.16	2.38 + 0.23	2.54 + 0.24	3.89 + 0.63
Liver	9.52 + 0.71	12.3 + 1.46	13.1 + 1.26	18.58 + 2.64
Spleen	0.85 + 0.08	0.98 + 0.15	0.96 + 0.11	1.53 + 0.29
Testicular	3.66 + 0.16	3.98 + 0.36	4.16 + 0.22	3.82 + 1.01
Thymus	0.50 + 0.10	0.29 + 0.04	0.20 + 0.06	0.16 + 0.14

*Data represents average organ weight (g) ± one standard deviation

Sprague Dawley

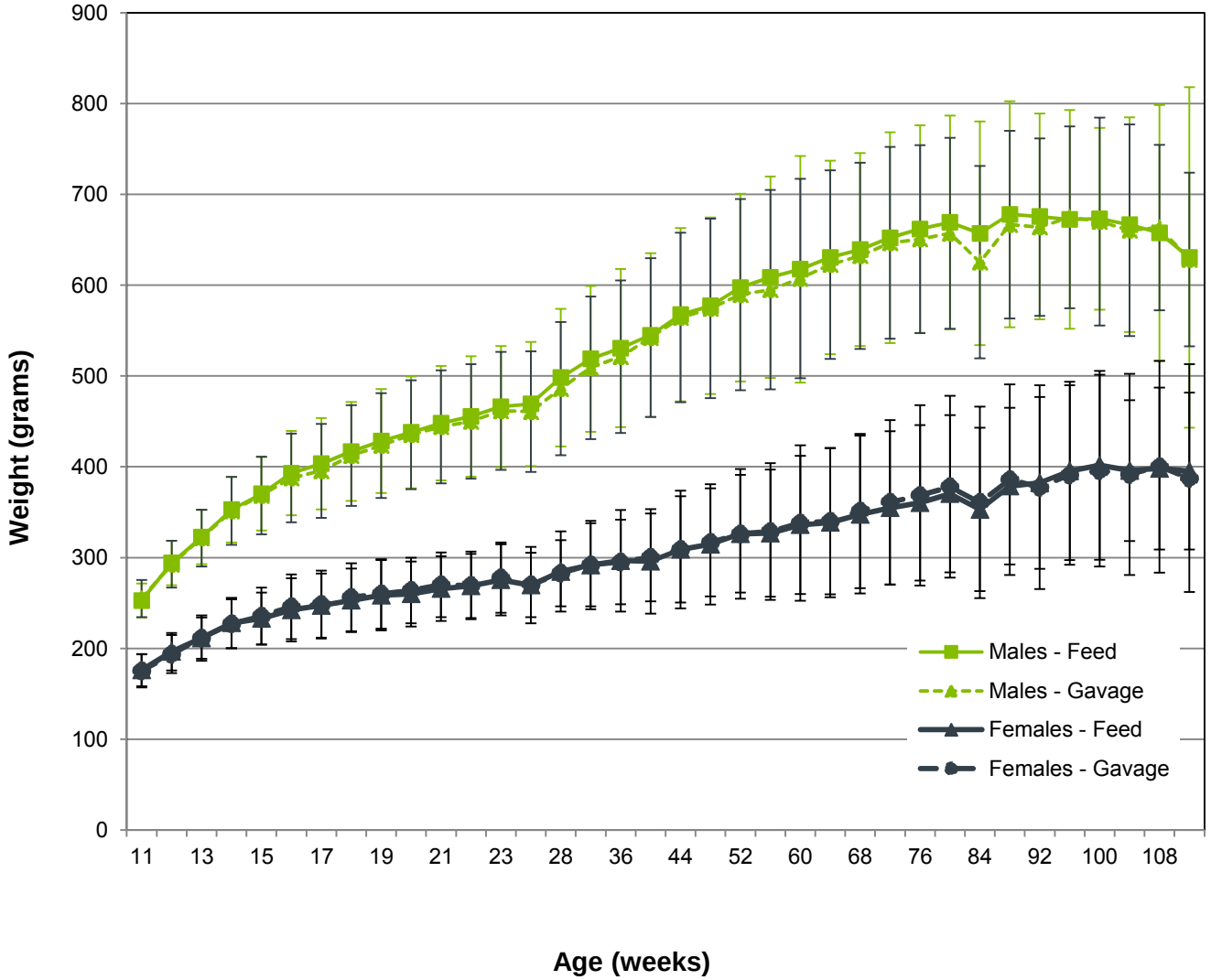
Hsd:Sprague Dawley®SD®
Study C11963
Organ Weights

Group 1 Females - Feed	28 days n = 20	13 weeks n = 20	26 weeks n = 20	104 weeks n = 29
Adrenal	0.07 + 0.01	0.06 + 0.01	0.06 + 0.01	0.06 + 0.01
Brain	1.72 + 0.05	1.78 + 0.05	1.83 + 0.09	1.84 + 0.06
Heart	0.87 + 0.07	0.95 + 0.05	0.99 + 0.08	1.40 + 0.19
Kidneys	1.37 + 0.12	1.44 + 0.10	1.51 + 0.13	2.04 + 0.23
Liver	6.50 + 0.68	6.55 + 0.68	6.90 + 0.93	11.7 + 3.30
Ovaries	0.11 + 0.02	0.10 + 0.01	0.10 + 0.03	0.22 + 0.70
Spleen	0.67 + 0.09	0.66 + 0.09	0.69 + 0.12	0.95 + 0.30
Thymus	0.37 + 0.06	0.24 + 0.03	0.17 + 0.03	0.09 + 0.03

Group 2 Females - Gavage	28 days n = 20	13 weeks n = 20	26 weeks n = 20	104 weeks n = 28
Adrenal	0.07 + 0.01	0.07 + 0.01	0.06 + 0.004	0.06 + 0.25
Brain	1.72 + 0.04	1.80 + 0.05	1.80 + 0.05	1.83 + 0.06
Heart	0.85 + 0.06	0.98 + 0.07	0.10 + 0.08	1.37 + 0.14
Kidneys	1.37 + 0.12	1.50 + 0.12	1.50 + 0.12	2.18 + 0.34
Liver	6.70 + 0.70	6.91 + 0.91	6.72 + 0.61	12.0 + 3.00
Ovaries	0.10 + 0.02	0.10 + 0.02	0.10 + 0.20	0.16 + 0.25
Spleen	0.65 + 0.08	0.71 + 0.10	0.66 + 0.10	0.98 + 0.35
Thymus	0.37 + 0.06	0.26 + 0.05	0.17 + 0.04	0.09 + 0.02

*Data represents average organ weight (g) ± one standard deviation

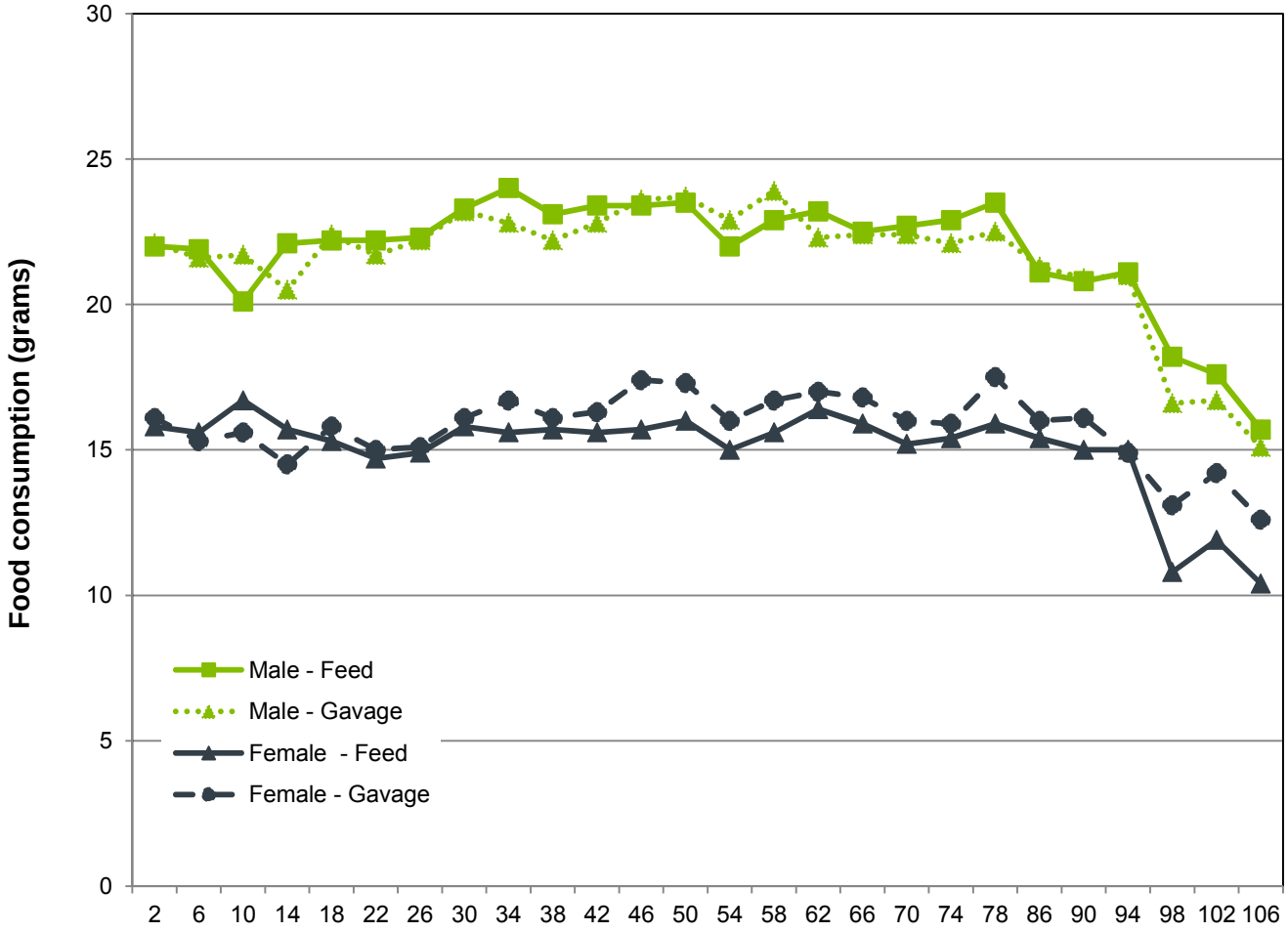
Hsd:Sprague Dawley®SD®
104 Week Growth Curve



Age at study start: Approximately 11 weeks
Maintained on Kliba Nafag 3433
Study C11963

Growth data to be used as guideline only.
Data can be subject to differences in maintenance of rats.
Growth chart includes mean ± 2 SD's representative of population distribution.

Hsd:Sprague Dawley®SD®
Food Consumption



Age at study start: Approximately 11 weeks
Maintained on Kliba Nafag 3433
Study C11963