

**Historical Control Data of Clinical Biochemistry in  
HsdRccHan<sup>TM</sup>: WIST, Wistar Hannover Rats**

**Compiled from toxicity studies performed at RCC Ltd. Itingen/Switzerland**

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**Table 1: Glucose [mmol/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	<= 7 WEEKS	70	3.89	0.98	1.64	6.28
M	8 - 12 WEEKS	1950	4.78	0.92	1.98	9.70
M	13 - 18 WEEKS	880	5.13	1.02	1.81	9.45
M	19 - 40 WEEKS	1613	5.49	1.07	2.51	10.90
M	41 - 70 WEEKS	262	6.06	1.25	3.44	9.68
M	>= 71 WEEKS	32	4.85	1.01	2.87	6.56

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	<= 7 WEEKS	70	4.27	1.04	1.47	6.71
F	8 - 12 WEEKS	1829	4.75	0.83	2.32	8.74
F	13 - 18 WEEKS	931	5.04	1.00	1.50	10.90
F	19 - 40 WEEKS	1642	5.21	0.96	2.70	9.19
F	41 - 70 WEEKS	265	5.75	0.97	3.20	8.84
F	>= 71 WEEKS	32	5.21	1.26	2.46	8.50

**Table 2: Urease [mmol/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	<= 7 WEEKS	70	4.98	1.44	2.99	13.75
M	8 - 12 WEEKS	1950	5.68	1.27	2.27	11.89
M	13 - 18 WEEKS	880	5.31	0.83	2.64	9.55
M	19 - 40 WEEKS	1612	5.36	0.84	3.05	9.72
M	41 - 70 WEEKS	262	5.10	0.76	3.33	7.53
M	>= 71 WEEKS	32	4.63	1.16	3.19	8.78

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	<= 7 WEEKS	69	5.56	0.99	2.67	8.28
F	8 - 12 WEEKS	1829	6.39	1.20	3.09	11.93
F	13 - 18 WEEKS	931	6.46	1.04	2.55	10.26
F	19 - 40 WEEKS	1642	6.54	1.02	3.33	10.96
F	41 - 70 WEEKS	265	6.56	0.95	3.93	9.22
F	>= 71 WEEKS	32	5.13	0.77	3.33	6.56

**Table 3: Uric acid [µmol/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	8 - 12 WEEKS	105	24.4	15.5	10.1	79.0
M	13 - 18 WEEKS	35	25.9	17.6	9.9	75.5
M	19 - 40 WEEKS	74	24.6	16.5	8.2	81.0
M	41 - 70 WEEKS	10	9.7	1.7	7.9	13.2
M	>= 71 WEEKS	10	15.6	4.9	11.9	27.2

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	8 - 12 WEEKS	105	25.3	14.1	11.0	81.0
F	13 - 18 WEEKS	30	19.6	10.4	9.0	57.5
F	19 - 40 WEEKS	80	28.3	16.8	9.0	77.7
F	41 - 70 WEEKS	10	6.9	0.9	5.0	8.6
F	>= 71 WEEKS	10	14.0	3.1	10.4	18.7

**Table 4: Creatinine [µmol/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	<= 7 WEEKS	69	16.5	3.3	7.0	25.9
M	8 - 12 WEEKS	1973	22.9	2.9	6.9	34.9
M	13 - 18 WEEKS	885	25.3	3.1	15.4	38.3
M	19 - 40 WEEKS	1611	27.8	3.3	15.4	42.7
M	41 - 70 WEEKS	262	30.4	3.5	20.5	39.3
M	>= 71 WEEKS	32	31.9	6.4	21.6	50.6

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	<= 7 WEEKS	70	18.8	3.1	11.4	26.2
F	8 - 12 WEEKS	1841	26.1	3.3	14.4	42.3
F	13 - 18 WEEKS	936	28.9	3.7	19.0	43.6
F	19 - 40 WEEKS	1641	32.3	4.1	22.1	49.0
F	41 - 70 WEEKS	265	32.9	4.4	22.7	47.4
F	>= 71 WEEKS	32	28.5	3.0	22.2	37.4

**Table 5: Bilirubin, total [µmol/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	<= 7 WEEKS	70	1.23	0.50	0.51	3.69
M	8 - 12 WEEKS	1950	1.53	0.39	0.36	3.35
M	13 - 18 WEEKS	885	1.57	0.37	0.56	2.80
M	19 - 40 WEEKS	1581	1.69	0.35	0.75	3.97
M	41 - 70 WEEKS	262	1.81	0.41	0.47	3.02
M	>= 71 WEEKS	32	2.25	0.58	1.31	3.93

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	<= 7 WEEKS	69	1.19	0.39	0.14	2.77
F	8 - 12 WEEKS	1830	1.73	0.45	0.66	5.03
F	13 - 18 WEEKS	936	1.87	0.49	0.79	4.08
F	19 - 40 WEEKS	1597	2.13	0.57	0.48	4.83
F	41 - 70 WEEKS	265	2.50	0.65	0.94	4.51
F	>= 71 WEEKS	32	2.43	0.82	1.03	4.19

**Table 6: Bile acids [ $\mu\text{mol/L}$ ]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	8 - 12 WEEKS	58	31.54	27.23	5.94	129.00
M	13 - 18 WEEKS	39	20.51	16.22	4.64	70.59

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	8 - 12 WEEKS	50	23.53	15.16	3.70	76.30
F	13 - 18 WEEKS	40	22.85	11.84	8.18	57.7

**Table 7: Cholesterol [mmol/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	<= 7 WEEKS	70	2.14	0.39	1.32	3.08
M	8 - 12 WEEKS	1950	1.70	0.34	0.63	3.11
M	13 - 18 WEEKS	880	1.65	0.34	0.78	3.30
M	19 - 40 WEEKS	1612	1.83	0.39	0.62	3.73
M	41 - 70 WEEKS	262	2.42	0.56	0.83	5.29
M	>= 71 WEEKS	32	3.54	1.13	1.54	5.88

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	<= 7 WEEKS	70	1.74	0.37	0.91	2.46
F	8 - 12 WEEKS	1830	1.42	0.36	0.34	3.21
F	13 - 18 WEEKS	931	1.47	0.38	0.57	2.95
F	19 - 40 WEEKS	1640	1.62	0.46	0.56	3.87
F	41 - 70 WEEKS	265	2.18	0.69	0.80	4.27
F	>= 71 WEEKS	32	2.53	0.60	1.35	3.97

**Table 8: High-density lipoprotein (Cholesterol) [mmol/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	8 - 12 WEEKS	125	1.39	0.29	0.00	2.38
M	13 - 18 WEEKS	25	1.44	0.24	0.98	1.90
M	19 - 40 WEEKS	34	1.47	0.31	0.85	2.37

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	8 - 12 WEEKS	123	1.27	0.32	0.10	2.09
F	13 - 18 WEEKS	25	1.35	0.31	0.71	1.90
F	19 - 40 WEEKS	35	1.35	0.33	0.87	2.19

**Table 9: Low-density lipoprotein (Cholesterol) [mmol/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	8 - 12 WEEKS	122	0.21	0.08	0.00	0.45
M	13 - 18 WEEKS	25	0.21	0.06	0.06	0.35
M	19 - 40 WEEKS	44	0.23	0.07	0.11	0.48

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	8 - 12 WEEKS	120	0.12	0.05	0.00	0.25
F	13 - 18 WEEKS	25	0.09	0.06	0.00	0.19
F	19 - 40 WEEKS	45	0.10	0.06	0.00	0.21



**Table 10: Triglycerides [mmol/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	<= 7 WEEKS	70	0.50	0.25	0.19	1.61
M	8 - 12 WEEKS	1950	0.51	0.33	0.09	3.85
M	13 - 18 WEEKS	880	0.49	0.25	0.14	2.29
M	19 - 40 WEEKS	1612	0.46	0.24	0.13	2.43
M	41 - 70 WEEKS	262	0.96	0.61	0.28	3.79
M	>= 71 WEEKS	32	0.97	0.58	0.34	2.63

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	<= 7 WEEKS	70	0.43	0.23	0.19	1.31
F	8 - 12 WEEKS	1829	0.29	0.21	0.08	3.91
F	13 - 18 WEEKS	931	0.31	0.12	0.00	2.07
F	19 - 40 WEEKS	1641	0.33	0.11	0.11	1.50
F	41 - 70 WEEKS	265	0.47	0.38	0.17	4.36
F	>= 71 WEEKS	32	0.72	0.67	0.33	3.85

**Table 11: Fatty acid [mmol/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	8 - 12 WEEKS	9	0.68	0.14	0.56	1.02

**Table 12: Phospholipids [mmol/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	<= 7 WEEKS	70	1.82	0.27	1.34	2.64
M	8 - 12 WEEKS	1923	1.52	0.25	0.70	2.72
M	13 - 18 WEEKS	860	1.49	0.22	0.87	2.44
M	19 - 40 WEEKS	1557	1.56	0.25	0.74	2.60
M	41 - 70 WEEKS	262	1.89	0.33	0.98	3.41
M	>= 71 WEEKS	32	2.24	0.59	1.36	3.98

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	<= 7 WEEKS	70	1.66	0.26	1.11	2.34
F	8 - 12 WEEKS	1829	1.45	0.30	0.55	2.46
F	13 - 18 WEEKS	901	1.54	0.33	0.70	2.84
F	19 - 40 WEEKS	1586	1.72	0.39	0.72	3.73
F	41 - 70 WEEKS	265	2.17	0.53	0.99	3.76
F	>= 71 WEEKS	32	2.18	0.62	1.24	3.79

**Table 13: Lactate [mmol/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	<= 7 WEEKS	15	3.58	0.94	2.72	5.85
M	8 - 12 WEEKS	5	4.13	0.49	3.42	4.65
M	13 - 18 WEEKS	5	1.61	0.15	1.41	1.77
M	19 - 40 WEEKS	20	2.92	0.83	1.95	4.70

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	<= 7 WEEKS	10	3.79	1.31	2.00	5.79
F	8 - 12 WEEKS	5	3.74	0.79	3.35	5.15
F	13 - 18 WEEKS	5	2.63	2.02	1.30	6.18
F	19 - 40 WEEKS	20	3.46	1.12	2.36	6.11

**Table 14: Alanine aminotransferase [U/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	<= 7 WEEKS	59	31.3	10.7	18.6	59.7
M	8 - 12 WEEKS	1950	33.8	12	14.5	207.4
M	13 - 18 WEEKS	880	31.9	6.5	14.2	78.4
M	19 - 40 WEEKS	1613	33.8	7.1	19.2	103.9
M	41 - 70 WEEKS	262	35.6	8.9	21.8	102.1
M	>= 71 WEEKS	32	37.4	15.5	15.6	86.9

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	<= 7 WEEKS	70	24.2	8.7	13.4	51.4
F	8 - 12 WEEKS	1830	26.5	9.8	12.5	135.8
F	13 - 18 WEEKS	931	25.2	6.5	12.7	73.0
F	19 - 40 WEEKS	1642	32.1	20.2	12.7	381.8
F	41 - 70 WEEKS	265	43.4	39.9	15.9	529.9
F	>= 71 WEEKS	32	33.9	12.7	17.9	66.9

**Table 15: Aspartate aminotransferase [U/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	<= 7 WEEKS	59	84.3	11.3	67.3	124.3
M	8 - 12 WEEKS	1955	78.7	12.9	25.2	280.2
M	13 - 18 WEEKS	885	77.3	11.0	53.3	159.4
M	19 - 40 WEEKS	1613	77.4	13.4	32.9	222.1
M	41 - 70 WEEKS	262	74.5	15.1	51.0	186.8
M	>= 71 WEEKS	32	82.6	25.1	58.4	159.8

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	<= 7 WEEKS	70	82.1	12.2	61.0	126.8
F	8 - 12 WEEKS	1835	76.3	14.5	45.2	436.5
F	13 - 18 WEEKS	936	73.6	13.6	40.4	188.8
F	19 - 40 WEEKS	1642	82.7	32.4	22.6	453.8
F	41 - 70 WEEKS	265	103.5	60.4	51.7	570.1
F	>= 71 WEEKS	32	91.2	31.8	54.7	196.8

**Table 16: Lactate dehydrogenase [U/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	<= 7 WEEKS	70	182.1	53.7	99.7	314.4
M	8 - 12 WEEKS	1812	224.2	236.5	71.3	3818
M	13 - 18 WEEKS	763	203.2	150.9	63.5	1950
M	19 - 40 WEEKS	1410	200.6	159.2	57.9	2726
M	41 - 70 WEEKS	222	186.4	114.8	67.0	1492
M	>= 71 WEEKS	32	315.9	195.0	150.4	849.3

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	<= 7 WEEKS	70	193.5	87.8	49.1	569.3
F	8 - 12 WEEKS	1736	220.5	154.8	9.2	3294
F	13 - 18 WEEKS	780	205.9	143.3	15.7	1670.0
F	19 - 40 WEEKS	1428	195.1	107.2	54.1	1401.0
F	41 - 70 WEEKS	225	182.1	97.6	71.3	839.4
F	>= 71 WEEKS	32	195.4	86.2	96.7	467.5

**Table 17: Glutamate dehydrogenase [U/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	<= 7 WEEKS	70	6.9	1.8	2.5	12.8
M	8 - 12 WEEKS	1676	6.7	13.6	2.0	512.0
M	13 - 18 WEEKS	780	6.9	2.7	1.2	25.7
M	19 - 40 WEEKS	1241	8.4	5.2	2.2	106.0
M	41 - 70 WEEKS	118	10.2	7.0	3.1	42.3
M	>= 71 WEEKS	22	13.2	10.6	3.8	42.5

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	<= 7 WEEKS	70	6.5	2.0	3.5	17.1
F	8 - 12 WEEKS	1625	6.3	4.8	2.0	84.4
F	13 - 18 WEEKS	816	7.8	10.0	2.5	164.0
F	19 - 40 WEEKS	1247	15.8	34.9	2.4	860.0
F	41 - 70 WEEKS	119	48.2	89.6	2.8	593.5
F	>= 71 WEEKS	22	15.6	16.7	3.5	79.0

**Table 18: Amylase [U/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	8 - 12 WEEKS	10	1786	187	1592	2116

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	8 - 12 WEEKS	10	977	219	745	1378

**Table 19: Alkaline phosphatase [U/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	<= 7 WEEKS	70	200.4	57.9	121.4	385.3
M	8 - 12 WEEKS	1950	125.1	38.5	24.7	374.5
M	13 - 18 WEEKS	879	89.4	24.0	36.6	205.6
M	19 - 40 WEEKS	1611	58.5	13.3	11.4	145.2
M	41 - 70 WEEKS	262	50.7	11.1	28.6	102.7
M	>= 71 WEEKS	32	50.7	14.8	18.0	83.3

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	<= 7 WEEKS	70	141.4	50.3	74.3	298.7
F	8 - 12 WEEKS	1828	61.7	22.5	15.5	221.3
F	13 - 18 WEEKS	931	41.8	15.2	15.7	107.3
F	19 - 40 WEEKS	1639	21.6	6.4	6.4	59.3
F	41 - 70 WEEKS	265	14.9	4.9	8.3	40.3
F	>= 71 WEEKS	32	16.9	4.3	10.7	29.3

**Table 20: Gamma glutamyl transferase [U/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	<= 7 WEEKS	70	0.3	2.0	0.0	13.4
M	8 - 12 WEEKS	1928	0.0	0.2	0.0	4.5
M	13 - 18 WEEKS	848	0.0	0.2	0.0	3.6
M	19 - 40 WEEKS	1575	0.0	0.1	0.0	2.8
M	41 - 70 WEEKS	262	0.0	0.0	0.0	0.0
M	>= 71 WEEKS	32	0.4	1.0	0.0	3.2

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	<= 7 WEEKS	70	0.5	2.1	0.0	12.4
F	8 - 12 WEEKS	1825	0.0	0.1	0.0	4.0
F	13 - 18 WEEKS	894	0.0	0.4	0.0	10.6
F	19 - 40 WEEKS	1593	0.0	0.2	0.0	4.0
F	41 - 70 WEEKS	265	0.0	0.0	0.0	0.0
F	>= 71 WEEKS	32	0.2	1.1	0.0	6.1

**Table 21: Creatine kinase [U/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	<= 7 WEEKS	61	293.8	95.9	89.0	727.4
M	8 - 12 WEEKS	1870	233.9	130.4	55.3	1733.5
M	13 - 18 WEEKS	845	199.4	144.2	84.3	2494.0
M	19 - 40 WEEKS	1492	170.8	125.8	63.5	2160.4
M	41 - 70 WEEKS	242	147.9	86.4	66.3	532.1
M	>= 71 WEEKS	32	173.1	88.4	88.6	511.5

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	<= 7 WEEKS	69	312.2	130.8	146.2	980.6
F	8 - 12 WEEKS	1760	210.3	131.7	74.6	2497.9
F	13 - 18 WEEKS	887	186.7	173.9	69.9	3961.0
F	19 - 40 WEEKS	1521	153.3	105.1	46.1	1708.6
F	41 - 70 WEEKS	245	129.2	87.7	47.7	682.5
F	>= 71 WEEKS	32	198.8	230.4	65.3	1109.7

**Table 22: Calcium [mmol/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	<= 7 WEEKS	70	2.85	0.08	2.66	3.12
M	8 - 12 WEEKS	1950	2.81	0.10	2.36	3.15
M	13 - 18 WEEKS	885	2.78	0.10	2.42	3.07
M	19 - 40 WEEKS	1613	2.76	0.11	2.10	3.10
M	41 - 70 WEEKS	262	2.83	0.09	2.49	3.06
M	>= 71 WEEKS	32	2.87	0.08	2.76	3.11

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	<= 7 WEEKS	70	2.84	0.08	2.63	3.02
F	8 - 12 WEEKS	1829	2.78	0.11	2.19	3.19
F	13 - 18 WEEKS	936	2.77	0.10	2.41	3.11
F	19 - 40 WEEKS	1642	2.76	0.12	2.43	3.14
F	41 - 70 WEEKS	265	2.79	0.11	2.50	3.08
F	>= 71 WEEKS	32	2.85	0.10	2.63	3.04

**Table 23: Chloride [mmol/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	<= 7 WEEKS	70	101.1	2.5	95.5	107.8
M	8 - 12 WEEKS	1950	102.7	2.9	38.2	112.4
M	13 - 18 WEEKS	884	103.1	2.9	89.0	117.1
M	19 - 40 WEEKS	1612	104.3	2.5	89.3	114.4
M	41 - 70 WEEKS	262	101.7	5.7	90.5	111.7
M	>= 71 WEEKS	32	104.6	1.5	101.5	109.5

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	<= 7 WEEKS	70	103.1	2.6	97.5	108.9
F	8 - 12 WEEKS	1830	104.9	2.6	85.0	115.4
F	13 - 18 WEEKS	936	104.7	2.4	96.6	114.2
F	19 - 40 WEEKS	1642	105.1	2.4	96.0	115.8
F	41 - 70 WEEKS	265	104.5	2.6	97.3	114.5
F	>= 71 WEEKS	32	103.4	1.9	99.7	107.2

**Table 24: Iron [µmol/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	8 - 12 WEEKS	5	18.31	2.91	13.35	20.53

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	8 - 12 WEEKS	5	39.81	7.92	32.53	50.85

**Table 25: Magnesium [mmol/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	8 - 12 WEEKS	11	0.90	0.05	0.79	0.97
M	19 - 40 WEEKS	10	0.86	0.05	0.75	0.92

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	8 - 12 WEEKS	5	0.94	0.03	0.9	0.96
F	19 - 40 WEEKS	10	0.92	0.05	0.85	1.01

**Table 26: Phosphorus [mmol/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	<= 7 WEEKS	70	3.10	0.22	2.70	3.56
M	8 - 12 WEEKS	1950	2.40	0.24	1.78	3.77
M	13 - 18 WEEKS	880	2.15	0.23	1.49	3.15
M	19 - 40 WEEKS	1612	1.77	0.20	1.12	2.54
M	41 - 70 WEEKS	262	1.51	0.14	1.12	1.86
M	>= 71 WEEKS	32	1.47	0.15	1.16	1.85

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	<= 7 WEEKS	70	2.74	0.20	2.37	3.21
F	8 - 12 WEEKS	1830	1.95	0.25	0.14	2.82
F	13 - 18 WEEKS	931	1.70	0.28	0.83	2.92
F	19 - 40 WEEKS	1642	1.39	0.25	0.58	2.23
F	41 - 70 WEEKS	265	1.19	0.22	0.66	1.84
F	>= 71 WEEKS	32	1.23	0.19	0.73	1.60



**Table 27: Potassium [mmol/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	<= 7 WEEKS	70	3.65	0.35	3.06	4.62
M	8 - 12 WEEKS	1950	3.60	0.36	1.51	6.61
M	13 - 18 WEEKS	884	3.60	0.33	2.73	5.32
M	19 - 40 WEEKS	1612	3.74	0.31	2.86	5.10
M	41 - 70 WEEKS	262	3.95	0.28	3.16	5.17
M	>= 71 WEEKS	32	3.82	0.38	3.10	4.50

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	<= 7 WEEKS	70	3.61	0.42	2.93	4.71
F	8 - 12 WEEKS	1830	3.32	0.33	2.44	7.21
F	13 - 18 WEEKS	936	3.31	0.32	2.51	4.93
F	19 - 40 WEEKS	1642	3.27	0.32	2.36	5.28
F	41 - 70 WEEKS	265	3.32	0.33	2.46	4.49
F	>= 71 WEEKS	32	3.50	0.41	2.90	4.28

**Table 28: Sodium [mmol/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	<= 7 WEEKS	70	142.6	2.3	137.6	148.3
M	8 - 12 WEEKS	1949	143.3	2.4	125.1	153.7
M	13 - 18 WEEKS	884	143.2	2.8	116.5	160.4
M	19 - 40 WEEKS	1612	143.7	3.2	134.0	168.7
M	41 - 70 WEEKS	262	144.1	2.5	132.8	151.9
M	>= 71 WEEKS	32	143.8	1.6	140.5	148.7

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	<= 7 WEEKS	70	142.5	2.0	138.6	147.3
F	8 - 12 WEEKS	1830	143.7	2.8	97.5	158.6
F	13 - 18 WEEKS	936	142.8	2.7	129.3	157.0
F	19 - 40 WEEKS	1642	142.7	2.6	133.0	155.4
F	41 - 70 WEEKS	265	143.9	3.0	131.9	152.6
F	>= 71 WEEKS	32	141.2	1.7	137.7	145.0

**Table 29: Protein, total [g/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	<= 7 WEEKS	70	61.22	2.60	56.54	68.26
M	8 - 12 WEEKS	1950	64.96	2.69	52.60	82.20
M	13 - 18 WEEKS	880	65.97	2.63	58.96	77.06
M	19 - 40 WEEKS	1612	67.56	2.85	58.57	76.40
M	41 - 70 WEEKS	262	70.53	2.61	63.42	79.00
M	>= 71 WEEKS	32	71.44	4.08	64.97	78.87

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	<= 7 WEEKS	70	62.40	2.33	56.50	67.57
F	8 - 12 WEEKS	1830	66.52	3.51	52.95	84.36
F	13 - 18 WEEKS	931	68.39	3.76	58.84	79.93
F	19 - 40 WEEKS	1642	71.43	4.10	56.27	85.82
F	41 - 70 WEEKS	265	73.79	3.88	62.76	85.55
F	>= 71 WEEKS	32	73.61	5.2	62.15	81.48

**Table 30: Albumin [g/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	<= 7 WEEKS	70	42.14	2.47	37.34	53.13
M	8 - 12 WEEKS	1813	42.13	1.97	28.49	52.69
M	13 - 18 WEEKS	844	42.19	1.78	27.31	48.46
M	19 - 40 WEEKS	1410	42.20	2.03	28.77	57.45
M	41 - 70 WEEKS	162	42.70	1.91	37.75	46.86
M	>= 71 WEEKS	22	39.24	2.95	32.98	43.72

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	<= 7 WEEKS	70	44.24	1.93	39.5	48.38
F	8 - 12 WEEKS	1721	46.15	2.77	36.00	58.58
F	13 - 18 WEEKS	881	47.36	3.04	33.89	61.56
F	19 - 40 WEEKS	1434	49.20	3.39	38.88	69.53
F	41 - 70 WEEKS	165	50.63	3.12	43.73	69.95
F	>= 71 WEEKS	22	46.77	3.90	37.89	54.10

**Table 31: Globulin [g/L]**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	<= 7 WEEKS	70	19.08	1.79	9.61	22.37
M	8 - 12 WEEKS	1813	22.92	2.12	15.51	40.87
M	13 - 18 WEEKS	844	23.76	2.11	17.65	37.48
M	19 - 40 WEEKS	1410	25.37	2.31	12.02	37.83
M	41 - 70 WEEKS	162	27.87	2.47	21.54	39.86
M	>= 71 WEEKS	22	34.1	3.00	28.27	39.05

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	<= 7 WEEKS	70	18.16	1.47	14.70	21.28
F	8 - 12 WEEKS	1721	20.39	2.06	12.05	29.66
F	13 - 18 WEEKS	881	21.11	2.14	9.42	28.56
F	19 - 40 WEEKS	1434	22.33	2.30	6.06	32.53
F	41 - 70 WEEKS	165	24.31	2.67	9.36	32.48
F	>= 71 WEEKS	22	28.56	3.04	23.39	34.02

**Table 32: Albumin/Globulin ratio**

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
M	<= 7 WEEKS	70	2.24	0.44	1.82	5.53
M	8 - 12 WEEKS	1813	1.86	0.20	0.73	3.39
M	13 - 18 WEEKS	844	1.79	0.18	0.73	2.51
M	19 - 40 WEEKS	1410	1.68	0.21	0.76	4.68
M	41 - 70 WEEKS	162	1.54	0.16	0.98	2.06
M	>= 71 WEEKS	22	1.16	0.16	0.93	1.43

SEX	ANIMAL AGE	NUMBER OF ANIMALS	MEAN	STD	MIN	MAX
F	<= 7 WEEKS	70	2.45	0.24	2.04	3.11
F	8 - 12 WEEKS	1721	2.29	0.28	1.49	4.73
F	13 - 18 WEEKS	881	2.27	0.30	1.20	6.54
F	19 - 40 WEEKS	1434	2.23	0.39	1.24	9.75
F	41 - 70 WEEKS	165	2.12	0.47	1.51	7.47
F	>= 71 WEEKS	22	1.66	0.22	1.21	2.00