Historical Control Data of Urinalysis in HsdRccHan™: WIST, Wistar Hannover Rats

Compiled from Toxicity studies performed at RCC Ltd. Itingen/Switzerland

Content

Tables

Diagrams

Table 1: Volume/18h [mL]

SEX	ANIMAL AGE	PROJECTS	MEAN OF MEANS	STD OF MEANS	MIN OF MEANS	MAX OF MEANS
M	<= 7 WEEKS	5	9.2	4.3	6.5	16.7
M	8 - 12 WEEKS	153	10.6	4.7	3.2	28.0
M	13 - 18 WEEKS	126	10.9	5.0	3.4	24.9
M	19 - 40 WEEKS	78	8.3	2.4	4.5	17.7
M	41 - 70 WEEKS	13	7.9	2.7	4.7	14.9
M	>= 71 WEEKS	3	11.1	2.2	8.8	13.1

SEX	ANIMAL AGE	PROJECTS	MEAN OF MEANS	STD OF MEANS	MIN OF MEANS	MAX OF MEANS
F	<= 7 WEEKS	5	5.9	3.9	3.3	12.8
F	8 - 12 WEEKS	142	8.2	3.8	2.3	22.9
F	13 - 18 WEEKS	129	8.9	5.0	2.0	24.0
F	19 - 40 WEEKS	80	6.9	2.5	3.2	13.7
F	41 - 70 WEEKS	13	6.3	2.0	2.5	9.7
F	>= 71 WEEKS	3	9.2	2.8	6.0	11.4

Table 2: Relative Density [%]

SEX	ANIMAL AGE	PROJECTS	MEAN OF MEANS	STD OF MEANS	MIN OF MEANS	MAX OF MEANS
M	8 - 12 WEEKS	59	1.032	0.014	1.012	1.081
M	13 - 18 WEEKS	44	1.028	0.010	1.008	1.054
M	19 - 40 WEEKS	31	1.042	0.012	1.029	1.082
M	41 - 70 WEEKS	5	1.046	0.005	1.041	1.052

SEX	ANIMAL AGE	PROJECTS	MEAN OF MEANS	STD OF MEANS	MIN OF MEANS	MAX OF MEANS
F	8 - 12 WEEKS	51	1.028	0.009	1.015	1.053
F	13 - 18 WEEKS	48	1.029	0.015	1.009	1.071
F	19 - 40 WEEKS	33	1.038	0.011	1.026	1.077
F	41 - 70 WEEKS	5	1.045	0.011	1.031	1.060

Table 3: pH-value

SEX	ANIMAL AGE	PROJECTS	MEAN OF MEANS	STD OF MEANS	MIN OF MEANS	MAX OF MEANS
M	<= 7 WEEKS	5	6.3	0.4	5.8	6.8
M	8 - 12 WEEKS	152	6.5	0.3	5.3	7.4
M	13 - 18 WEEKS	127	6.7	0.2	6.0	7.3
M	19 - 40 WEEKS	79	6.6	0.3	5.7	7.2
M	41 - 70 WEEKS	13	6.5	0.3	6.0	7.1
M	>= 71 WEEKS	3	6.3	0.2	6.1	6.5

SEX	ANIMAL AGE	PROJECTS	MEAN OF MEANS	STD OF MEANS	MIN OF MEANS	MAX OF MEANS
F	<= 7 WEEKS	5	6.2	0.3	5.8	6.7
F	8 - 12 WEEKS	142	6.1	0.3	5.2	6.7
F	13 - 18 WEEKS	130	6.1	0.3	5.6	6.8
F	19 - 40 WEEKS	81	6.0	0.2	5.3	6.5
F	41 - 70 WEEKS	13	6.0	0.1	5.7	6.3
F	>= 71 WEEKS	3	6.1	0.1	6.0	6.2

Table 4: Protein [g/L]

SEX	ANIMAL AGE	PROJECTS	MEAN OF MEANS	STD OF MEANS	MIN OF MEANS	MAX OF MEANS
M	<= 7 WEEKS	5	0.19	0.09	0.10	0.33
M	8 - 12 WEEKS	151	0.32	0.18	0.00	0.94
M	13 - 18 WEEKS	127	0.28	0.14	0.00	0.68
M	19 - 40 WEEKS	79	0.35	0.11	0.15	0.63
M	41 - 70 WEEKS	13	0.54	0.31	0.25	1.20
M	>= 71 WEEKS	3	3.50	0.40	3.05	3.80

SEX	ANIMAL AGE	PROJECTS	MEAN OF MEANS	STD OF MEANS	MIN OF MEANS	MAX OF MEANS
F	<= 7 WEEKS	5	0.24	0.15	0.00	0.38
F	8 - 12 WEEKS	142	0.22	0.11	0.00	0.75
F	13 - 18 WEEKS	130	0.18	0.11	0.00	0.55
F	19 - 40 WEEKS	81	0.22	0.08	0.05	0.46
F	41 - 70 WEEKS	13	0.37	0.22	0.10	0.96
F	>= 71 WEEKS	3	0.74	0.60	0.30	1.42

Table 5: Glucose [mmol/L]

SEX	ANIMAL AGE	PROJECTS	MEAN OF MEANS	STD OF MEANS	MIN OF MEANS	MAX OF MEANS
M	<= 7 WEEKS	5	0	0	0	0
M	8 - 12 WEEKS	151	0	0	0	0
M	13 - 18 WEEKS	127	0	0	0	0
M	19 - 40 WEEKS	79	0	0	0	0
M	41 - 70 WEEKS	13	0	0	0	0
M	>= 71 WEEKS	3	0	0	0	0

SEX	ANIMAL AGE	PROJECTS	MEAN OF MEANS	STD OF MEANS	MIN OF MEANS	MAX OF MEANS
F	<= 7 WEEKS	5	0	0	0	0
F	8 - 12 WEEKS	142	0	0	0	0
F	13 - 18 WEEKS	130	0	0	0	1
F	19 - 40 WEEKS	81	0	0	0	0
F	41 - 70 WEEKS	13	0	0	0	0
F	>= 71 WEEKS	3	0	0	0	0

Table 6: Ketones [mmol/L]

SEX	ANIMAL AGE	PROJECTS	MEAN OF MEANS	STD OF MEANS	MIN OF MEANS	MAX OF MEANS
M	<= 7 WEEKS	5	1.1	0.8	0.3	2.1
M	8 - 12 WEEKS	151	0.4	0.3	0.0	1.8
M	13 - 18 WEEKS	127	0.5	0.3	0.0	1.4
M	19 - 40 WEEKS	79	0.6	0.3	0.0	1.4
M	41 - 70 WEEKS	13	0.5	0.2	0.2	1.1
M	>= 71 WEEKS	3	0.5	0.3	0.2	0.7

SEX	ANIMAL AGE	PROJECTS	MEAN OF MEANS	STD OF MEANS	MIN OF MEANS	MAX OF MEANS
F	<= 7 WEEKS	5	0.7	0.6	0.1	1.4
F	8 - 12 WEEKS	142	0.2	0.2	0.0	0.8
F	13 - 18 WEEKS	130	0.2	0.2	0.0	0.9
F	19 - 40 WEEKS	81	0.3	0.2	0.0	0.8
F	41 - 70 WEEKS	13	0.3	0.2	0.0	0.6
F	>= 71 WEEKS	3	0.1	0.1	0.0	0.2

Table 7: Urobilinogen [µmol/L)

SEX	ANIMAL AGE	PROJECTS	MEAN OF MEANS	STD OF MEANS	MIN OF MEANS	MAX OF MEANS
M	<= 7 WEEKS	5	0	0	0	0
M	8 - 12 WEEKS	151	0	1	0	6
M	13 - 18 WEEKS	127	0	1	0	4
M	19 - 40 WEEKS	79	0	0	0	2
M	41 - 70 WEEKS	13	0	0	0	0
M	>= 71 WEEKS	3	0	0	0	0

SEX	ANIMAL AGE	PROJECTS	MEAN OF MEANS	STD OF MEANS	MIN OF MEANS	MAX OF MEANS
F	<= 7 WEEKS	5	1	3	0	6
F	8 - 12 WEEKS	142	0	1	0	3
F	13 - 18 WEEKS	130	0	0	0	2
F	19 - 40 WEEKS	81	0	1	0	3
F	41 - 70 WEEKS	13	0	0	0	0
F	>= 71 WEEKS	3	0	0	0	0

Table 8: Bilirubin [µmol/L]

SEX	ANIMAL AGE	PROJECTS	MEAN OF MEANS	STD OF MEANS	MIN OF MEANS	MAX OF MEANS
M	<= 7 WEEKS	5	2.0	2	0	5
M	8 - 12 WEEKS	151	1.0	2	0	13
M	13 - 18 WEEKS	127	1.0	2	0	14
M	19 - 40 WEEKS	79	1.0	2	0	6
M	41 - 70 WEEKS	13	1.0	1	0	3
M	>= 71 WEEKS	3	1.0	2	0	3

SEX	ANIMAL AGE	PROJECTS	MEAN OF MEANS	STD OF MEANS	MIN OF MEANS	MAX OF MEANS
F	<= 7 WEEKS	5	4.0	3	0	9
F	8 - 12 WEEKS	142	1.0	2	0	9
F	13 - 18 WEEKS	130	1.0	3	0	14
F	19 - 40 WEEKS	81	2.0	2	0	8
F	41 - 70 WEEKS	13	2.0	2	0	5
F	>= 71 WEEKS	3	0.0	0	0	0

Table 9: Erythrocytes [per µL]

SEX	ANIMAL AGE	PROJECTS	MEAN OF MEANS	STD OF MEANS	MIN OF MEANS	MAX OF MEANS
M	<= 7 WEEKS	5	6.0	4	0	11
M	8 - 12 WEEKS	152	10.0	11	0	87
M	13 - 18 WEEKS	127	9.0	9	0	56
M	19 - 40 WEEKS	79	10.0	4	0	22
M	41 - 70 WEEKS	13	16.0	14	1	53
M	>= 71 WEEKS	3	56.0	38	16	92

SEX	ANIMAL AGE	PROJECTS	MEAN OF MEANS	STD OF MEANS	MIN OF MEANS	MAX OF MEANS
F	<= 7 WEEKS	5	10.0	12	1	31
F	8 - 12 WEEKS	142	4.0	6	0	57
F	13 - 18 WEEKS	130	3.0	3	0	16
F	19 - 40 WEEKS	81	2.0	2	0	15
F	41 - 70 WEEKS	13	3.0	3	0	9
F	>= 71 WEEKS	3	7.0	3	4	9

Table 10: Leukocytes [per µL]

SEX	ANIMAL AGE	PROJECTS	MEAN OF MEANS	STD OF MEANS	MIN OF MEANS	MAX OF MEANS
M	<= 7 WEEKS	5	24.0	9	13	33
M	8 - 12 WEEKS	151	24.0	17	0	80
M	13 - 18 WEEKS	127	23.0	18	0	85
M	19 - 40 WEEKS	79	28.0	18	6	114
M	41 - 70 WEEKS	13	95.0	78	5	260
M	>= 71 WEEKS	3	418.0	38	388	460

SEX	ANIMAL AGE	PROJECTS	MEAN OF MEANS	STD OF MEANS	MIN OF MEANS	MAX OF MEANS
F	<= 7 WEEKS	5	16.0	13	5	38
F	8 - 12 WEEKS	142	7.0	8	0	45
F	13 - 18 WEEKS	130	4.0	6	0	40
F	19 - 40 WEEKS	81	5.0	7	0	26
F	41 - 70 WEEKS	13	52.0	47	0	150
F	>= 71 WEEKS	3	195.0	97	88	277

Table 11: Osmolality [mosmol/kg]

SEX	ANIMAL AGE	PROJECTS	MEAN OF MEANS	STD OF MEANS	MIN OF MEANS	MAX OF MEANS
M	8 - 12 WEEKS	37	944	403	294	1948
M	13 - 18 WEEKS	24	1093	359	212	1633
M	19 - 40 WEEKS	40	1239	213	915	1852
M	41 - 70 WEEKS	8	1202	118	1024	1374

SEX	ANIMAL AGE	PROJECTS	MEAN OF MEANS	STD OF MEANS	MIN OF MEANS	MAX OF MEANS
F	8 - 12 WEEKS	33	1050	346	419	1874
F	13 - 18 WEEKS	24	1160	311	578	1713
F	19 - 40 WEEKS	41	1239	270	832	1842
F	41 - 70 WEEKS	8	1278	301	937	1832

Table 1: Volume/18h [mL]

	MEAN	
ANIMAL AGE	MALES	FEMALES
<= 7 WEEKS	9.2	5.9
8 - 12 WEEKS	10.6	8.2
13 - 18 WEEKS	10.9	8.9
19 - 40 WEEKS	8.3	6.9
41 - 70 WEEKS	7.9	6.3
>= 71 WEEKS	11.1	9.2

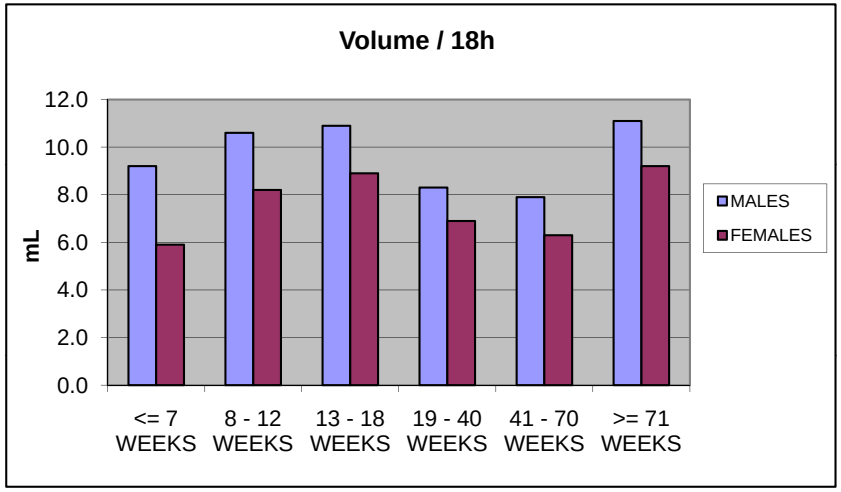

Table 2: Relative Density [%]

	MEAN	
ANIMAL AGE	MALES	FEMALES
8 - 12 WEEKS	1.032	1.028
13 - 18 WEEKS	1.028	1.029
19 - 40 WEEKS	1.042	1.038
41 - 70 WEEKS	1.046	1.045

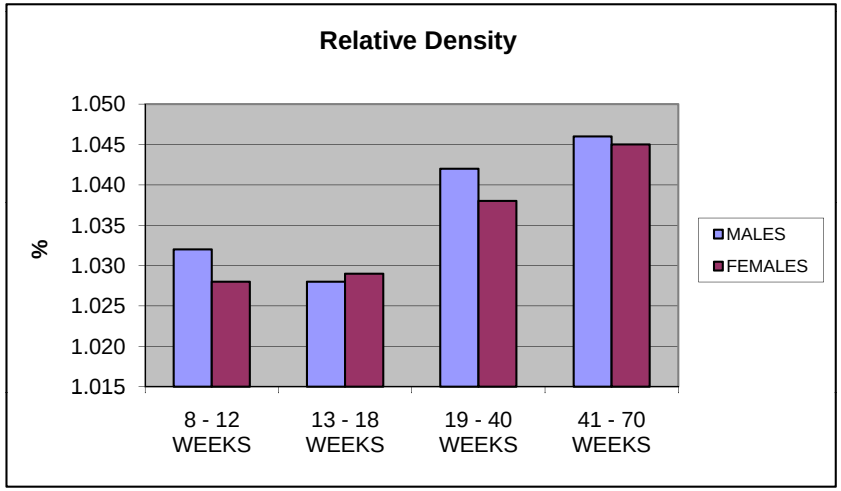

Table 3: pH-value

	MEAN	
ANIMAL AGE	MALES	FEMALES
<= 7 WEEKS	6.3	6.2
8 - 12 WEEKS	6.5	6.1
13 - 18 WEEKS	6.7	6.1
19 - 40 WEEKS	6.6	6.0
41 - 70 WEEKS	6.5	6.0
>= 71 WEEKS	6.3	6.1

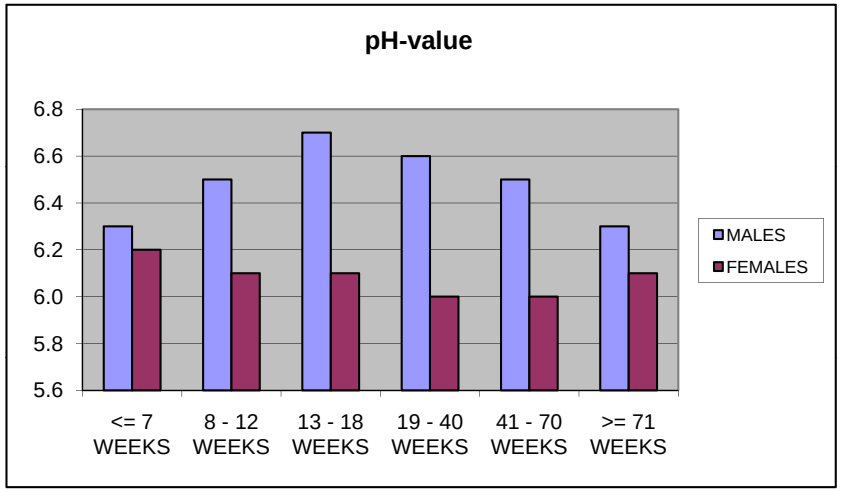

Table 4: Protein [g/L]

	MEAN	
ANIMAL AGE	MALES	FEMALES
<= 7 WEEKS	0.19	0.24
8 - 12 WEEKS	0.32	0.22
13 - 18 WEEKS	0.28	0.18
19 - 40 WEEKS	0.35	0.22
41 - 70 WEEKS	0.54	0.37
>= 71 WEEKS	3.50	0.74

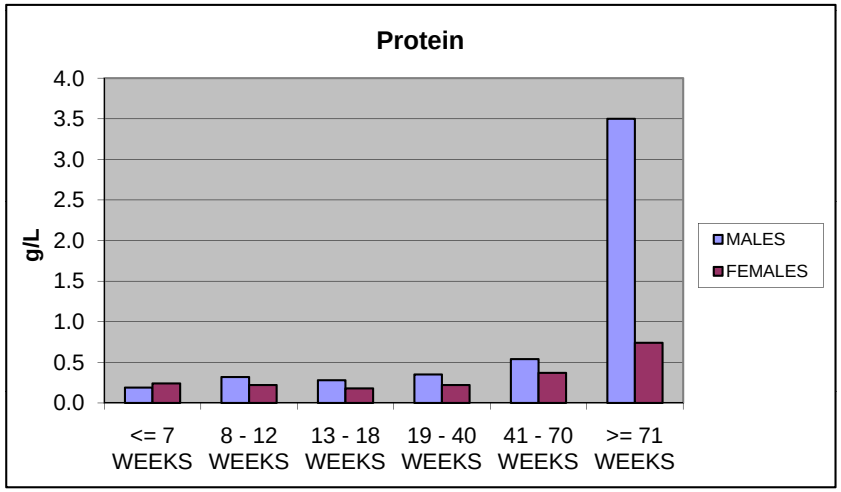

Table 5: Glucose [mmol/L] - without diagram

Table 6: Ketones [mmol/L]

	MEAN	
ANIMAL AGE	MALES	FEMALES
<= 7 WEEKS	1.1	0.7
8 - 12 WEEKS	0.4	0.2
13 - 18 WEEKS	0.5	0.2
19 - 40 WEEKS	0.6	0.3
41 - 70 WEEKS	0.5	0.3
>= 71 WEEKS	0.5	0.1

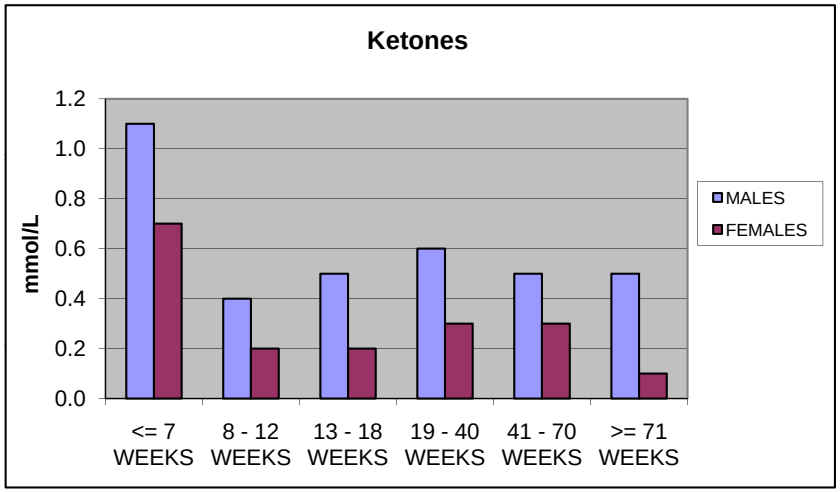

Table 7: Urobilinogen [µmol/L] - without diagram

Table 8: Bilirubin [µmol/L]

	MEAN	
ANIMAL AGE	MALES	FEMALES
<= 7 WEEKS	2.0	4.0
8 - 12 WEEKS	1.0	1.0
13 - 18 WEEKS	1.0	1.0
19 - 40 WEEKS	1.0	2.0
41 - 70 WEEKS	1.0	2.0
>= 71 WEEKS	1.0	0.0

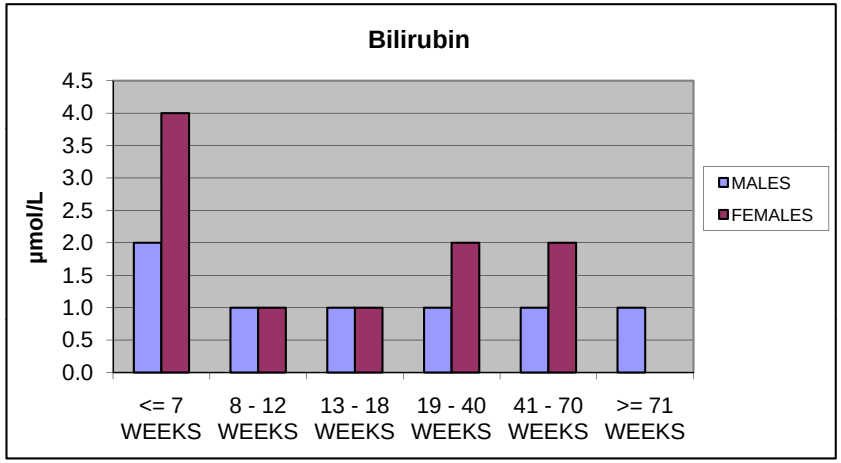

Table 9: Erythrocytes [per µL]

	MEAN	
ANIMAL AGE	MALES	FEMALES
<= 7 WEEKS	6.0	10.0
8 - 12 WEEKS	10.0	4.0
13 - 18 WEEKS	9.0	3.0
19 - 40 WEEKS	10.0	2.0
41 - 70 WEEKS	16.0	3.0
>= 71 WEEKS	56.0	7.0

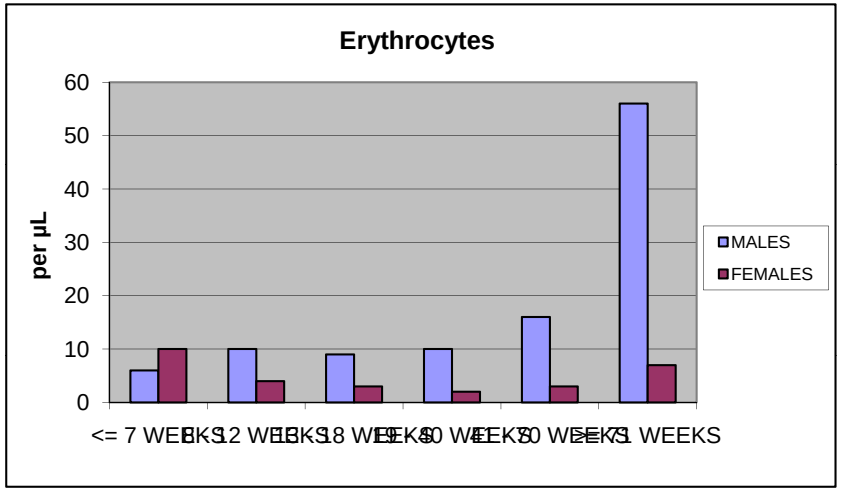

Table 10: Leukocytes [per µL]

	MEAN	
ANIMAL AGE	MALES	FEMALES
<= 7 WEEKS	24.0	16.0
8 - 12 WEEKS	24.0	7.0
13 - 18 WEEKS	23.0	4.0
19 - 40 WEEKS	28.0	5.0
41 - 70 WEEKS	95.0	52.0
>= 71 WEEKS	418.0	195.0

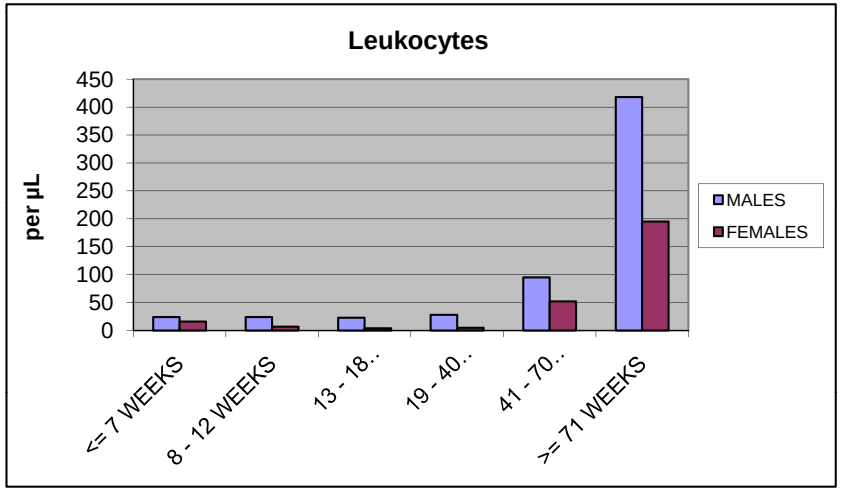

Table 11: Osmolality [mosmol/kg]

	MEAN	
ANIMAL AGE	MALES	FEMALES
8 - 12 WEEKS	944	1050
13 - 18 WEEKS	1093	1160
19 - 40 WEEKS	1239	1239
41 - 70 WEEKS	1202	1278