

Litton BIONETICS



MONS 016577

LBI PROJECT 20771

FINAL REPORT

APPENDIX VOLUME II

APPENDIX F

EFFECTS OF PCB ON THE REPRODUCTIVE PERFORMANCE OF THE RHESUS MONKEY (*Macaca mulatta*)

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SUBMITTED TO

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Litton BIONETICS

MONS 016578

APPENDIX F

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Significance of Values During Pregnancy	Pages i - ii
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Key: -

- a Indicates result was not used in calculation of mean.
- Δ Repeat value.
- * Significance at 95% level.
- ** Significance at 99% level.
- ψ Animal pregnant.

Note: The number in parentheses appearing after the animal number indicates the month of pregnancy which the animal was in at the time of testing.

SIGNIFICANCE OF VALUES DURING PREGNANCY

Analysis of the hematology-cytology and biochemistry values of control animals taken while pregnant or in the 2-month period following pregnancy revealed the following when compared to nonpregnant control animals:

1) Hematology-cytology

In the values obtained in the 2-month period after parturition, there was a significant difference when compared to nonpregnant controls in the red blood cell count (RBC), the packed cell volume (PCV), and the hemoglobin (Hgb) levels. These values are interrelated and have been shown to decline after parturition. [2] In the values obtained in Months 4 and 5 of pregnancy, a statistically significant drop in the PCV was observed. This has not been shown to occur in the referenced study, and because the other cytological values did not fall, this change was thought to ba artifactual and the values were not deleted from the final calculations.

2) Biochemistry

When a statistical comparison was made between nonpregnant and pregnant controls for biochemistry values, a number of statistically significant differences were found in one or more stages of pregnancy. These included total bilirubin, serum alkaline phosphatase, lactic dehydrogenase, triglycerides, sodium, glucose, BUN, creatinine, cholesterol, uric acid, SGOT, SGPT, protein, calcium, phosphorus, albumin, globulin, and A/G ratio during one or more time periods relating to pregnancy. These were determined to be real or artifactual based upon the following criteria:

Total Bilirubin: A slight increase in the postpartum period was considered artifactual due to the size of the increase and the fact that it was well within the range of the nonpregnant control animals.

Serum Alkaline Phosphatase: Although no changes in this value are reported to accompany human pregnancy, a definite statistically significant trend existed in the 1- to 3-month and 4- to 5-month time periods with very narrow ranges outside of the nonpregnant control animals, and these values from pregnant animals were, therefore, deleted from the final calculations.

Lactic Dehydrogenase: This was significantly different only in the 1- to 3-month period, and the values for the limits of the range for this time period were well within the range of nonpregnant animals. This significance was, therefore, considered artifactual, and the values were not deleted from the calculations.

Triglycerides: Although no known relationship exists between levels of this parameter and pregnancy, a definite trend was evident through the period of pregnancy, and these values were deleted from final calculations.

Sodium: The ranges for this value were quite narrow as might be expected, and although all measured time frames were significantly different from control values, this was considered artifactual due to the normal level at each time frame.

Glucose: These values were significantly lower than the controls during the 4- to 5-month time frame, and since this has been reported in human pregnancies, this was considered to be of real significance, and the values were deleted from final calculations.

BUN: These values were significantly lower than the controls in all time periods of pregnancy that were measured, but since all were within the normal range and were lower than the controls during pregnancy itself, the significance was considered artifactual.

Creatinine: Visual observation of these values revealed a very small variation with no trend, and the significance was thought to be artifactual.

Cholesterol: These values were significantly lower in the 4- to 5-month and postpartum month time frames. Since this has been reported in human pregnancies, the significance was considered to be real.

Uric Acid: A significantly lower level of uric acid in the 4- to 5-month period, although small, was considered to be real since reductions of 30 to 60% have been reported in late pregnancy in humans.

SGOT: These values were significantly higher only in the 4- to 5-month time frame, and since the mean was still within normal limits, this was considered to be artifactual.

SGPT: These values were significantly lower only during the 2 months postpartum, and since the mean was within normal limits, this was considered to be artifactual.

Protein: The mean of these values was lower in the 1- to 3-month and 4- to 5-month time periods, and since this coincides with reportedly lower levels in humans, these differences were considered to be real.

Calcium: The mean of these values was higher in the 2-month postpartum period, and since the range of this time period was well within the range for controls, this was considered artifactual.

Phosphorus: The mean of these values was higher during the 1- to 3-month and 2-month postpartum period. Since no pattern appeared to exist and the range of values at each time period was well within the range for controls, this significance was considered artifactual.

Albumin: A significant reduction in albumin values in the 4- to 5-month time frame coincides with reported data from human pregnancies, and these data were considered real.

Globulin: The significantly lower globulin values in the 1- to 3-month period of pregnancy coincides with a similar reduction in human values in early pregnancy, and this was thought to be of true significance.

A/G Ratio: This was considered to be real due to the changes in both the albumin and the globulin.

TABLE 1

HEMATOLOGY - [illegible]
CONTROL - [illegible]

ANIMAL NUMBER	RBC (MM X10 6)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10 3)	WBC (MM 3)	[illegible]	DIFFERENTIAL							
							MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	OTHER
FEMALES															
704-E	5.03	45.0	14.3	Adeq.	5600	.	0	0	0	35	63	0	2	0	0
037-F	5.03	47.5	15.7	Adeq.	6700	.	3	0	2	38	55	0	1	1	0
280-F	5.66	45.0	14.3	Adeq.	8500	.	0	0	1	43	49	3	0	0	0
274-I	5.01	42.0	13.6	Adeq.	8200	.	0	0	0	46	52	0	0	1	0
969-H	5.76	44.5	14.6	Adeq.	6800	.	0	0	0	38	61	0	1	0	0
570-H	5.09	42.0	14.3	Adeq.	6400	.	0	0	2	29	62	1	6	0	0
484-I	4.97	38.0	12.7	Adeq.	5100	.	0	0	0	34	62	0	4	0	0
610-I	5.71	44.0	14.5	Adeq.	8900	.	0	0	0	29	57	2	11	1	0
MEAN	5.58	43.0	14.2	Adeq.	6900	.									
S.D.	0.37	2.7	0.85	Adeq.	1567	.									
MALES															
739-F	4.91	35.0	11.3	Adeq.	6801	.	0	0	1	53	42	1	3	0	0
227-G	4.51	36.0	11.9	Adeq.	6700	.	0	0	1	27	68	0	4	0	0
426-G	4.54	36.5	12.0	Adeq.	3700	.	0	0	0	32	57	0	1	0	0
448-J	5.94	45.0	15.0	Adeq.	4800	.	0	0	0	17	77	0	4	0	0
MEAN	4.98	37.6	12.5	Adeq.	5500	.									
S.D.	0.66	5.0	1.66	Adeq.	1567	.									

SITE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016583

TABLE 7.1

HEMATOLOGY - CYTOLOGY
5 UG/KG PROTEST

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GPX)	PLATELET (MM X10)	WBC (MM)	[illegible]	DIFFERENTIAL(%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	[illegible]
FEMALES															
646-E	5.91	41.0	13.7	Adeq.	8000	.	0	0	1	44	54	0	1	0	0
701-F	5.44	40.5	13.6	Adeq.	6200	.	0	0	0	22	74	2	2	0	0
483-F	4.88	40.0	13.7	Adeq.	6400	.	0	0	0	26	66	7	1	0	0
605-F	5.25	42.0	13.7	Adeq.	5900	.	0	0	0	33	63	3	1	0	0
839-H	5.23	42.0	14.0	Adeq.	4300	.	0	0	0	15	81	4	0	0	0
284-I	5.07	41.0	13.6	Adeq.	10900	.	0	0	0	82	17	0	1	0	0
309-I	4.97	40.0	13.6	Adeq.	5900	.	0	0	0	26	50	0	14	0	0
624-I	5.99	44.5	14.6	Adeq.	6100	.	0	0	0	16	81	3	0	0	0
MEAN	5.34	41.4	13.8	Adeq.	6713	.									
S.D.	0.41	1.5	0.34	Adeq.	1956	.									
MALES															
516-G	5.59	39.5	13.0	Adeq.	5730	.	0	0	0	30	65	4	1	0	0
119-H	4.05	37.5	10.4	Adeq.	3800	.	0	0	1	31	55	3	10	0	0
428-J	5.30	37.0	12.3	Adeq.	7800	.	0	0	0	52	47	0	1	0	0
432-J	4.27	35.0	11.5	Adeq.	4700	.	0	0	0	27	72	0	1	0	0
MEAN	4.82	37.3	11.8	Adeq.	5750	.									
S.D.	0.77	1.8	1.12	Adeq.	1827	.									

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILES, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016584

TABLE 8.2

HEMATOLOGY - LYMPHOCYTE
25 MG/KG - PRETEST

ANIMAL NUMBER	PBC (MM X10 3)	CELL VOL (%)	HGB (GMS)	PLATELET (MM X10 3)	WBC (MM 3)	RTIC (%)	DIFFERENTIAL(%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	LGUNK
FEMALES															
762-E	5.47	42.0	14.0	Adeq.	6100	.	0	0	0	36	57	0	11	0	0
763-E	5.24	41.5	13.4	Adeq.	3700	.	0	0	0	23	76	0	1	0	0
281-G	5.09	36.0	12.3	Adeq.	5200	.	0	0	0	24	73	0	3	0	0
540-H	6.06	35.5	11.7	Adeq.	6010	.	0	0	0	28	70	1	1	0	0
841-H	4.97	38.0	12.7	Adeq.	6800	.	0	0	2	10	57	1	2	0	0
273-I	5.32	42.0	14.5	Adeq.	7870	.	0	0	0	29	61	0	10	0	0
307-I	4.50	34.0	11.5	Adeq.	7400	.	0	0	0	22	68	0	0	0	0
757-I	5.03	38.0	12.9	Adeq.	10100	.	0	0	0	29	68	1	0	1	0
MEAN	5.07##	38.4##	12.8#	Adeq.	6318	.									
S.D.	0.29	3.1	1.0#	Adeq.	2118	.									
MALES															
020-I	5.52	39.0	12.9	Adeq.	5000	.	0	0	0	61	34	0	3	0	0
046-I	5.60	40.5	13.4	Adeq.	4020	.	0	0	0	49	47	0	4	0	0
599-I	5.66	36.0	12.0	Adeq.	3870	.	0	0	0	71	29	0	0	0	0
599-I	5.38	43.0	14.1	Adeq.	4210	.	0	0	0	43	54	0	3	0	0
MEAN	5.54	39.6	13.1	Adeq.	5250	.									
S.D.	0.12	2.9	0.88	Adeq.	1190	.									

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
# INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 1.3

HEMATOLOGY - CYTOLOGY
100 UG/KG - PALBESI

ANIMAL NUMBER	RBC (X10 6)	CELL VOL (%)	HGB (GM%)	PLATELET (X10 3)	WBC (X10 3)	RETIC (%)	DIFFERENTIALS(%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	ATYP
FEMALES															
152-F	4.91	38.0	12.6	Adeq.	6700	-	0	0	0	31	65	0	2	0	3
226-I	5.40	42.0	13.7	Adeq.	7700	-	0	0	0	15	76	3	3	3	0
606-H	5.32	37.0	12.4	Adeq.	7700	-	0	0	0	31	62	0	7	0	0
269-I	4.83	39.0	13.0	Adeq.	6400	-	0	0	0	25	71	0	4	1	0
287-I	5.01	38.5	12.4	Adeq.	7300	-	0	0	0	32	60	7	1	0	0
312-I	4.99	39.0	12.5	Adeq.	7600	-	0	0	1	49	49	0	1	0	0
338-I	4.61	38.0	12.4	Adeq.	7700	-	0	0	0	22	70	0	1	0	0
770-I	5.71	44.0	14.4	Adeq.	8900	-	0	0	0	26	62	1	11	0	0
MEAN	5.10*	39.4*	12.59*	Adeq.	7463	-									
S.D.	0.36	2.4	0.39	Adeq.	719	-									
MALES															
706-E	4.84	37.5	12.5	Adeq.	6100	-	0	0	0	41	52	4	3	0	0
609-I	5.41	36.0	12.0	Adeq.	6400	-	0	0	0	37	62	0	1	0	0
625-J	4.72	37.0	12.7	Adeq.	6100	-	0	0	0	39	55	0	2	0	0
627-J	4.98	36.0	12.2	Adeq.	6200	-	0	0	2	16	80	0	0	0	0
MEAN	4.99	36.6	12.3	Adeq.	5800	-									
S.D.	0.30	0.8	0.31	Adeq.	1175	-									

0 MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
0 INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 2

HEMATOLOGY EVIDENCE
CONTROL MONTH 2

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIAL (%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	ETHER
FEMALES															
764-E	5.58	42.0	13.6	Adeq.	4900	.	0	0	3	25	70	0	2	[illegible]	.
087-F	6.44	50.0	16.0	Adeq.	6300	.	0	0	1	25	69	0	5	0	0
200-F	5.56	41.5	14.4	Adeq.	8500	.	0	0	0	68	31	0	2	[illegible]	.
274-F	5.96	40.5	14.2	Adeq.	7700	.	0	0	1	43	52	0	4	[illegible]	0
563-H	6.31	46.5	15.1	Adeq.	5900	.	0	0	2	36	59	0	1	[illegible]	0
578-H	5.81	42.0	14.3	Adeq.	6600	.	0	0	0	33	49	1	[illegible]	0	0
404-I	5.21	37.0	12.0	Adeq.	5300	.	0	0	0	30	65	1	4	0	0
618-I	5.42	39.5	12.8	Adeq.	9100	.	0	0	1	50	41	0	4	0	0
MEAN	5.79	42.6	14.0	Adeq.	6775	.									
S.D.	0.43	4.1	1.26	Adeq.	1518	.									
MALES															
739-F	5.66	41.5	14.3	Adeq.	[illegible]	.	0	0	2	40	57	0	1	0	[illegible]
227-G	5.59	48.5	13.8	Adeq.	11300	.	0	0	3	28	63	2	4	0	0
426-G	5.91	42.0	13.4	Adeq.	12000	.	0	0	1	97	9	0	0	1	0
418-J	6.21	46.0	14.4	Adeq.	10200	.	0	0	2	76	21	1	0	0	0
MEAN	5.84	42.5	13.9	Adeq.	9150	.									
S.D.	0.28	2.4	0.42	Adeq.	4101	.									

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016587

TABLE 2.1

HEMATOLOGY - CYTOLOGY
5 UG/KG MONTH 2

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIAL(%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	ETHER
FEMALES															
646-E	6.26	43.0	14.3	Adeq.	6800	.	0	0	0	38	59	0	3	0	0
701-F	5.72	41.5	13.3	Adeq.	5700	.	0	0	0	30	67	1	1	1	0
483-F	5.35	40.5	13.5	Adeq.	5100	.	0	0	0	31	69	0	0	0	0
605-F	6.73	44.5	14.6	Adeq.	5600	.	0	0	0	23	74	1	2	0	0
839-H	5.36	39.5	12.7	Adeq.	4500	.	0	0	1	18	60	0	1	0	0
284-I	6.25	43.0	14.6	Adeq.	7100	.	0	0	0	56	40	2	2	0	0
309-I	5.37	40.5	13.8	Adeq.	8000	.	0	0	0	18	49	0	13	0	0
624-I	6.30	43.5	13.6	Adeq.	6100	.	0	0	0	27	73	0	0	0	0
MEAN	5.92	42.0	13.8	Adeq.	6118	.									
S.D.	0.94	1.8	0.67	Adeq.	1115	.									
MALES															
516-G	6.12	44.5	14.7	Adeq.	5300	.	0	0	3	37	53	0	7	0	0
119-H	5.97	46.0	14.9	Adeq.	5200	.	0	0	1	32	63	3	2	0	0
428-J	5.75	44.5	14.3	Adeq.	8400	.	0	0	0	33	63	1	3	0	0
432-J	5.71	40.0	13.3	Adeq.	4800	.	0	0	0	35	64	0	1	0	0
MEAN	5.89	43.8	14.3	Adeq.	5925	.									
S.D.	0.19	2.6	0.71	Adeq.	1664	.									

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEANS

MONS 016588

TABLE 2.2

HEMATOLOGY
25 UG/KG

VEHICLE
MONTH 2

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	FECAL OB	DIFFERENTIALS(%)							
							MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	LGMON
FEMALES															
762-E	5.88	42.0	13.7	Adeq.	8500	.	0	0	0	33	66	0	1	0	0
763-E	5.49	42.5	14.0	Adeq.	4000	.	0	0	0	62	38	1	1	0	0
281-G	5.23	39.0	12.8	Adeq.	6100	.	0	0	2	40	52	2	3	1	0
940-H	5.15	36.5	11.9	Adeq.	5700	.	0	0	0	53	44	0	3	0	0
861-H	5.70	38.0	12.5	Adeq.	9200	.	0	0	0	42	58	0	0	0	0
273-I	5.16	41.5	13.4	Adeq.	6700	.	0	0	0	45	54	0	1	0	0
301-I	5.44	40.5	13.2	Adeq.	11900	.	0	0	0	59	30	1	10	0	0
254-I	5.29	38.0	12.6	Adeq.	5400	.	0	0	1	55	41	0	3	0	0
MEAN	5.41	39.0	13.0	Adeq.	7840	.									
S.D.	0.27	2.2	0.69	Adeq.	2515	.									
MALES															
020-I	6.10	47.5	15.3	Adeq.	7700	.	0	0	0	38	57	1	4	0	0
046-I	6.18	48.0	16.1	Adeq.	8540	.	0	0	0	54	43	0	3	0	0
595-I	5.32	43.0	14.4	Adeq.	3430	.	0	0	0	42	54	0	0	0	4
599-I	5.68	46.5	15.7	Adeq.	7590	.	0	0	0	40	56	1	3	0	0
MEAN	5.82	46.3	15.49	Adeq.	6775	.									
S.D.	0.40	2.3	0.73	Adeq.	2261	.									

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 2.3

HEMATOLOGY - CYTOLOGY
100 MG/KG - MONTH 2

ANIMAL NUMBER	RBC (MM EXP 6)	CELL VOL (%)	HGB (GM%)	PLATELET (MM EXP 3)	WBC (MM3)	RETIC (%)	DIFFERENTIAL(%)							
							MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	LOWER
FEMALES															
152-F	4.76	39.0	13.0	Adeq.	4900	.	0	0	2	56	42	0	2	0	0
226-F	4.90	42.0	13.7	Adeq.	8100	.	0	0	0	47	52	0	1	0	0
404-H	5.02	41.0	13.9	Adeq.	5100	.	0	0	0	69	26	0	4	1	0
269-I	5.03	44.5	14.6	Adeq.	6400	.	0	0	0	74	25	0	1	0	0
287-I	4.84	36.0	11.9	Adeq.	6100	.	0	0	0	36	62	0	2	0	0
312-I	5.47	39.0	13.5	Adeq.	4600	.	0	0	0	55	45	0	0	0	0
338-I	4.48	37.5	12.3	Adeq.	8100	.	0	0	0	34	62	1	3	0	0
370-I	4.96	37.5	12.9	Adeq.	5500	.	0	0	0	26	69	0	4	1	0
MEAN	5.10**	39.6	13.2	Adeq.	6150	.									
S.D.	0.47	2.8	0.89	Adeq.	1490	.									
MALES															
204-E	5.76	43.0	14.7	Adeq.	4400	.	0	0	0	76	22	0	2	0	0
600-I	5.00	42.5	14.9	Adeq.	6200	.	0	0	0	32	66	1	1	0	0
425-J	6.15	42.5	14.1	Adeq.	7400	.	0	0	0	49	51	0	0	0	0
427-J	5.92	41.0	13.9	Adeq.	10400	.	0	0	0	30	69	0	1	0	0
MEAN	5.93	42.3	14.4	Adeq.	7125	.									
S.D.	0.16	0.9	0.44	Adeq.	2700	.									

@ MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
0 INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 3

HEMATOLOGY - CYTOLOGY
CONTROL - WEEK 4

ANIMAL NUMBER	RBC (MM X10 3)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10 3)	WBC (MM 3)	RETIC (%)	DIFFERENTIATED MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	FOAM
FEMALES															
766-F	5.81	45.0	14.7	Adeq.	8000	.	0	0	0	28	69	0	1	0	0
887-F	5.80	49.0	15.8	Adeq.	7210	.	0	0	0	25	74	1	2	0	0
200-F	5.54	47.5	15.6	Adeq.	9530	.	0	0	1	59	36	2	2	0	0
274-F	5.56	43.0	14.1	Adeq.	6230	.	0	0	0	51	45	2	2	0	0
569-H	5.41	45.0	15.3	Adeq.	5130	.	0	0	0	40	57	0	3	0	0
578-H	6.35	45.5	15.8	Adeq.	7200	.	0	0	0	36	59	1	3	1	0
604-I	4.69	37.0	11.8	Adeq.	6490	.	0	0	0	18	81	1	0	0	0
618-I	6.03	48.0	15.7	Adeq.	7200	.	0	0	0	24	73	1	2	1	0
MEAN	5.65	45.0	14.9	Adeq.	7018	.									
S.D.	0.49	3.0	1.36	Adeq.	1278	.									
MALES															
739-F	5.68	40.0	13.5	Adeq.	7230	.	0	0	0	69	35	0	0	0	0
227-G	5.46	41.5	14.0	Adeq.	8500	.	0	0	1	67	32	0	0	0	0
426-G	5.74	43.0	14.4	Adeq.	6800	.	0	0	0	87	13	0	0	0	0
618-J	6.22	45.0	14.9	Adeq.	8100	.	0	0	0	63	35	2	0	0	0
MEAN	5.77	42.4	14.2	Adeq.	7800	.									
S.D.	0.32	2.1	0.59	Adeq.	970	.									

@ MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
. INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 3.1

HEMATOLOGY - CYTOLOGY
5 WEEKS - WEEK 4

ANIMAL NUMBER	RBC (MM X10 6	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10 3	WBC (MM 3	RETIC (%)	DIFFERENTIAL(%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	LUKOP
FEMALES															
600-E	6.47	45.0	15.1	Adeq.	7400	.	0	0	0	56	41	0	3	0	0
701-E	5.76	41.0	13.9	Adeq.	4100	.	0	0	0	32	64	2	2	0	0
601-F	5.27	39.0	13.0	Adeq.	3700	.	0	0	0	36	62	2	1	1	0
605-F	6.21	42.0	14.4	Adeq.	3700	.	0	0	0	25	71	3	1	0	0
819-H	6.09	44.5	14.8	Adeq.	4800	.	0	0	0	43	57	0	0	0	0
204-I	5.12	42.0	14.1	Adeq.	5100	.	0	0	0	52	43	0	5	0	0
309-I	5.01	42.0	14.3	Adeq.	7400	.	0	0	0	13	66	0	21	0	0
624-I	6.51	49.0	16.8	Adeq.	6800	.	0	0	0	20	80	0	0	0	0
MEAN	5.80	43.1	14.5	Adeq.	5113*	.									
S.D.	0.41	3.1	1.10	Adeq.	1834	.									
MALES															
516-G	6.77	44.5	15.2	Adeq.	4200	.	0	0	0	66	34	0	0	0	0
119-H	5.13	39.0	12.4	Adeq.	11400	.	0	0	0	51	49	0	0	0	0
420-J	5.59	42.0	13.6	Adeq.	6500	.	0	0	0	43	57	0	0	0	0
437-J	5.25	39.0	12.1	Adeq.	3400	.	0	0	0	49	50	0	1	0	0
MEAN	5.68	41.1	13.3	Adeq.	6400	.									
S.D.	0.75	2.7	1.41	Adeq.	3719	.									

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 3.2

HEMATOLOGY - CYTOLOGY
25 UG/KG - MONTH 4

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	PLTC (%)	DIFFERENTIAL(%) MYE	JUV	BAN	SEG	LYP	MON	EOS	BAS	CTHR
FEMALES															
762-E	5.52	40.0	13.0	Adeq.	4100	.	0	0	0	35	58	0	6	1	0
765-E	5.80	41.0	13.9	Adeq.	4600	.	0	0	0	16	80	3	1	0	0
281-G	4.13	38.0	13.0	Adeq.	3100	.	0	0	0	20	78	1	1	0	0
540-H	4.67	38.0	12.0	Adeq.	3000	.	0	0	0	34	64	0	2	0	0
841-H	4.82	36.5	11.7	Low	7100	.	0	0	0	17	82	0	1	0	0
273-I	5.38	45.0	14.9	Adeq.	5700	.	0	0	0	20	78	0	2	0	0
301-I	5.24	42.0	13.4	Adeq.	7400	.	0	0	0	52	44	2	2	0	0
757-I	5.66	40.0	12.7	Adeq.	5200	.	0	0	0	26	71	1	2	0	0
MEAN	5.13	40.1**	13.1**	Adeq.	5025*	.									
S.D.	0.56	2.7	1.02	Adeq.	1659	.									
MALES															
820-I	5.88	42.0	14.7	Adeq.	7200	.	0	0	0	82	17	0	1	0	0
846-I	6.35	43.0	14.6	Adeq.	7800	.	0	0	0	69	26	1	4	0	0
595-I	5.43	42.0	13.7	Adeq.	8900	.	0	0	0	38	61	3	0	0	0
599-I	5.43	42.0	13.7	Adeq.	8500	.	0	0	0	61	36	0	3	0	0
MEAN	5.77	42.3	14.2	Adeq.	8200	.									
S.D.	0.44	0.5	0.55	Adeq.	845	.									

* MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYP = LYPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016593

TABLE 3.3

HEMATOLOGY CYTOLOGY
100 U./KG. MONTH 4

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GPA)	PLATELET (MM X10)	WBC (MM)	[illegible]	DIFFERENTIAL(%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	[illegible]
FEMALES															
152-F	4.20	36.5	11.5	Adeq.	8000	.	0	0	0	44	53	0	2	1	0
226-F	5.14	42.0	13.5	Adeq.	4600	.	0	0	0	24	68	0	3	0	0
486-H	4.67	37.5	12.2	Adeq.	3700	.	0	0	0	18	76	0	0	0	0
269-I	4.91	39.0	12.5	Adeq.	3000	.	0	0	0	32	62	1	5	0	0
287-I	5.02	38.5	12.1	Adeq.	3500	.	0	0	0	50	48	1	0	1	0
312-I	5.04	40.5	13.8	Adeq.	3400	.	0	0	0	44	55	1	0	0	0
338-I	4.01	38.5	12.2	Adeq.	5000	.	0	0	0	47	48	2	2	1	0
770-I	4.65	39.0	13.5	Adeq.	5200	.	0	0	0	13	81	1	5	0	0
MEAN	4.70**	38.9**	12.7**	Adeq.	4650**	.									
S.D.	0.41	1.7	0.83	Adeq.	1519	.									
MALES															
706-E	5.23	39.0	13.1	Adeq.	2200	.	0	0	0	68	32	0	0	0	0
425-I	5.35	37.0	12.7	Adeq.	4800	.	0	0	0	66	31	1	2	0	0
600-I	5.50	40.0	13.9	Adeq.	6300	.	0	0	0	52	45	1	2	0	0
427-J	4.77	38.0	13.0	Adeq.	5400	.	0	0	0	58	42	0	0	0	0
MEAN	5.21*	38.5*	13.2*	Adeq.	4675*	.									
S.D.	0.32	1.3	0.51	Adeq.	1761	.									

\# MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016594

TABLE 4

HEMATOLOGY - CYTOLOGY
CONTROL - WEEK 5

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIALS (%)							
							MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS
FEMALES														
764-E	6.08	42.0	14.7	Adeq.	6900	-	0	0	0	42	56	2	0	0
887-F	6.87	46.0	15.2	Adeq.	6100	-	0	0	0	33	64	3	0	0
200-F	5.44	40.0	13.3	Adeq.	10500	-	0	0	0	64	33	1	0	0
274-F	5.72	43.0	14.2	Adeq.	8400	-	0	0	0	80	15	3	2	0
569-H	6.47	45.0	14.7	Adeq.	6400	-	0	0	0	42	58	0	0	0
578-H	6.00	40.5	13.3	Adeq.	7300	-	0	0	0	47	47	5	0	0
604-I	5.20	37.0	11.9	Adeq.	7100	-	0	0	1	58	40	0	1	0
610-I	6.59	44.0	15.0	Adeq.	6900	-	0	0	0	29	67	2	2	0
MEAN	5.95	42.2	14.0	Adeq.	7400	-								
S.D.	0.48	3.0	1.12	Adeq.	1457	-								
MALES														
739-F	5.86	41.5	13.9	Adeq.	5100	-	0	0	0	39	56	1	4	0
221-G	5.37	43.0	13.2	Adeq.	10000	-	0	0	0	28	67	1	4	0
625-G	5.72	43.0	13.7	Adeq.	9100	-	0	0	0	54	46	0	0	0
618-J	5.14	43.0	14.2	Adeq.	4900	-	0	0	0	29	70	0	1	0
MEAN	5.67	42.4	13.7	Adeq.	7400	-								
S.D.	0.28	0.8	0.42	Adeq.	2777	-								

0 MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
- INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 4.1

HEMATOLOGY - CYCLOPHOSPHAMIDE
5 UG/KG - MONTH 5

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	W.B.C (MM)	RETIC (%)	DIFFERENTIAL(%)							
							MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	OTHER
FEMALES															
446-E	6.44	42.0	13.3	Adeq.	7500	.	0	0	0	27	71	0	0	0	0
701-E	5.41	39.0	12.8	Adeq.	5700	.	0	0	0	23	69	0	4	3	0
483-F	5.70	38.0	12.6	Adeq.	4400	.	0	0	0	69	31	0	0	0	0
689-F	7.39	42.0	13.5	Adeq.	11400	.	0	0	1	39	54	0	2	0	0
839-H	6.25	44.0	14.0	Adeq.	6300	.	0	0	0	28	70	0	2	0	0
284-I	5.43	43.0	13.4	Adeq.	10000	.	0	0	0	59	39	1	1	0	0
309-I	5.55	44.5	14.3	Adeq.	7600	.	0	0	0	39	57	0	4	0	0
624-I	6.94	47.0	15.8	Adeq.	6900	.	0	0	0	40	58	1	1	0	0
MEAN	6.16	42.4	13.7	Adeq.	7763	.									
S.D.	0.76	2.9	1.01	Adeq.	2946	.									
MALES															
516-G	5.72	44.0	14.1	Adeq.	5400	.	0	0	0	32	68	1	2	0	0
119-H	5.09	37.0	12.3	Adeq.	4200	.	0	0	0	26	74	0	0	0	0
428-J	5.44	43.5	13.6	Adeq.	6500	.	0	0	0	55	42	1	2	0	0
432-J	5.21	39.5	12.2	Adeq.	5600	.	0	0	0	29	67	1	1	0	0
MEAN	5.36	41.0	13.0	Adeq.	5550	.									
S.D.	0.28	3.3	0.95	Adeq.	976	.									

@ MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
# INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 8.2

HEMATOLOGY - CYTOLOGY
25 WEEK - PERIOD 5

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIAL/BLOOD							
							MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	OTHER
FEMALES															
762-E	4.66	43.0	13.3	Adeq.	8000	-	0	0	0	49	50	0	1*	0	0
765-E	5.11	41.0	13.0	Adeq.	4900	-	0	0	1	47	52	2	2	0	0
281-G	4.96	40.0	12.5	Adeq.	4000	-	0	0	0	30	68	2	0	0	0
548-H	5.30	37.5	12.9	Adeq.	4700	-	0	0	0	22	75	0	2	0	0
841-H	4.96	37.0	12.0	Adeq.	4400	-	0	0	0	22	74	1	1	0	0
273-I	5.20	41.0	13.3	Adeq.	9000	-	0	0	0	27	68	0	5	0	0
307-I	5.09	43.0	14.0	Adeq.	7600	-	0	0	0	39	57	0	4	0	0
757-I	5.01	39.5	12.8	Adeq.	7500	-	0	0	0	69	29	0	2	0	0
MEAN	5.29*	40.3	13.0*	Adeq.	6313	-									
S.D.	0.43	2.2	0.59	Adeq.	2042	-									
MALES															
820-I	6.03	44.0	13.8	Adeq.	5800	-	0	0	0	62	35	2	2	0	0
844-I	6.20	44.5	14.0	Adeq.	6000	-	0	0	0	40	59	0	1	0	0
595-I	5.63	43.5	13.4	Adeq.	3700	-	0	0	0	28	72	0	0	0	0
599-I	5.66	44.5	14.2	Adeq.	4200	-	0	0	0	22	78	0	0	0	0
MEAN	5.88	43.6	13.8	Adeq.	5050	-									
S.D.	0.28	1.4	0.34	Adeq.	1056	-									

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 4.3

HEMATOLOGY - CYTOLOGY
100 IN/RG - MONTH 5

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIAL(%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	OTHER
FEMALES															
152-F	5.27	37.0	11.9	Adeq.	6600	.	0	0	0	68	31	0	1	0	0
226-F	4.65	42.0	13.2	Adeq.	14900	.	0	0	0	30	65	0	5	0	0
486-M	5.31@	38.0	12.4	Adeq.	9300	.	0	0	0	33	59	0	7	1	0
269-I	4.94	37.0	12.2	Adeq.	6000	.	0	0	0	38	58	0	4	0	0
287-I	4.83	39.0	12.2	Adeq.	5300	.	0	0	0	59	45	0	1	0	0
312-I	5.75	38.0	12.1	Adeq.	10000	.	0	0	1	54	45	0	0	1	0
338-I	5.31	37.5	12.4	Adeq.	7600	.	0	0	0	67	30	3	0	0	0
770-I	4.30	35.5	11.7	Adeq.	7900	.	0	0	0	31	64	1	4	0	0
MEAN	5.04**	38.0**	12.3**	Adeq.	8425	.									
S.D.	0.46	1.9	0.45	Adeq.	3072	.									
MALES															
706-E	4.62	40.0	13.2	Adeq.	5400	.	0	0	1	56	43	0	0	0	0
421-I	5.21	38.5	12.2	Adeq.	6700	.	0	0	0	66	33	0	1	0	0
600-I	5.54	42.5	13.5	Adeq.	5600	.	0	0	0	47	49	2	2	0	0
421-J	5.04	39.0	12.9	Adeq.	4400	.	0	0	1	47	49	1	0	0	0
MEAN	5.10*	40.0*	12.9	Adeq.	5025	.									
S.D.	0.38	1.8	0.56	Adeq.	946	.									

# MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES,
EOS = EOSINOPHILS, BAS = BASOPHILS.
@ INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 5

HEMATOLOGY - CYTOLOGY
CONTROL - WEEK 4

ANIMAL NUMBER	RBC (MM X10 6)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10 3)	WBC (MM3)	RETIC (%)	DIFFERENTIATED							
							MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS
FEMALES														
764-E	6.51	44.0	14.0	Adeq.	8700	.	0	1	0	44	55	1	0	0
887-F	6.40	46.0	15.6	Adeq.	7500	.	0	0	0	25	74	0	0	0
200-F	6.09	47.0	15.1	Adeq.	13700	.	0	0	0	45	54	1	0	0
274-F	6.48	46.0	14.7	Adeq.	14000	.	0	0	0	28	69	1	2	0
969-H	6.31	47.0	14.6	Adeq.	6700	.	0	0	0	51	48	1	0	0
578-H	5.96	42.0	13.4	Adeq.	8700	.	0	0	0	62	34	0	4	0
604-I	5.85	38.0	13.6	Adeq.	6700	.	0	0	0	35	65	0	0	0
618-I	6.20	44.0	15.0	Adeq.	11400	.	0	0	0	26	67	3	4	0
MEAN	6.14	44.0	14.2	Adeq.	9263	.								
S.D.	0.44	3.7	1.27	Adeq.	2994	.								
MALES														
739-F	6.22	43.0	14.9	Adeq.	8400	.	0	2	0	58	37	0	2	0
227-G	6.35	43.5	14.5	Adeq.	13600	.	0	0	0	36	63	0	1	0
426-G	6.04	43.0	13.9	Adeq.	9700	.	0	0	0	48	52	0	0	0
418-J	6.94	43.5	14.3	Adeq.	9100	.	0	0	0	43	55	1	1	0
MEAN	6.39	43.3	14.4	Adeq.	10100	.								
S.D.	0.39	0.3	0.42	Adeq.	2354	.								

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
@ INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 5.1

HEMATOLOGY [illegible]
5 UG/KG [illegible] MONTH 6

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GPE)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIAL (%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	FIBRE
FEMALES															
646-E	6.34	42.5	14.2	Adeq.	8600	.	0	0	0	35	53	0	12	0	0
781-F	5.78	40.0	13.2	Adeq.	11000	.	0	0	0	53	47	0	0	0	0
483-F	5.53	43.0	13.5	Adeq.	6100	.	0	0	0	29	68	0	1	2	0
685-F	6.64	39.5	13.8	Adeq.	7700	.	0	0	0	46	49	1	3	1	0
839-H	5.93	42.0	13.9	Adeq.	8500	.	0	0	0	23	77	0	0	0	0
284-I	5.68	39.0	13.7	Adeq.	8500	.	0	0	0	38	57	1	4	0	0
309-I	5.87	46.0	15.9	Adeq.	9300	.	0	0	0	25	63	1	11	0	0
624-I	6.83	40.5	13.2	Adeq.	9100	.	0	0	0	29	70	0	1	0	0
MEAN	6.07	41.6	13.5	Adeq.	8603	.									
S.D.	0.47	2.3	0.87	Adeq.	1429	.									
MALES															
516-G	6.39	47.0	15.0	Adeq.	8300	.	0	0	0	31	69	0	0	0	0
119-H	6.23	41.5	13.0	Adeq.	7900	.	0	0	0	22	76	1	1	0	0
428-J	6.02	44.5	14.4	Adeq.	6900	.	0	0	0	19	78	2	1	0	0
432-J	5.72	40.5	13.7	Adeq.	14600	.	0	0	1	36	61	0	2	0	0
MEAN	6.09	43.4	14.0	Adeq.	9375	.									
S.D.	0.29	3.0	0.87	Adeq.	3401	.									

* MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
\# INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016600

TABLE 5.2

HEMATOLOGY - CYTOLOGY
25 DOGS - MONTH 6

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (X10)	EFFIC (%)	DIFFERENTIALS (%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	LUNG
FEMALES															
762-E	6.27	42.5	13.4	Adeq.	12600	.	0	0	0	48	46	1	5	0	0
763-F	5.27	39.5	13.1	Adeq.	6700	.	0	0	0	25	75	0	0	0	0
281-G	5.60	39.5	12.9	Adeq.	6900	.	0	0	0	27	69	4	0	0	0
540-H	5.82	38.5	12.4	Adeq.	6400	.	0	0	0	38	58	2	2	0	0
841-H	5.36	39.0	12.6	Adeq.	9800	.	0	0	0	39	60	0	1	0	0
273-I	5.58	43.0	13.7	Adeq.	3900	.	0	0	1	49	49	0	1	0	0
307-I	5.91	44.0	15.1	Adeq.	7300	.	0	0	0	58	42	0	0	0	0
757-I	5.61	40.5	13.2	Adeq.	10100	.	0	0	2	65	25	5	3	0	0
MEAN	5.689	40.8	13.3	Adeq.	7725	.									
S.D.	0.32	2.1	0.84	Adeq.	2776	.									
MALES															
870-I	6.19	42.5	13.6	Adeq.	6400	.	0	0	0	46	52	0	0	0	0
044-I	6.36	46.0	14.9	Adeq.	10600	.	0	0	0	48	50	0	2	0	0
595-I	5.46	41.5	13.6	Adeq.	7300	.	0	0	0	39	56	1	4	0	0
599-I	5.30	46.0	14.7	Adeq.	9100	.	0	0	0	40	59	1	0	0	0
MEAN	5.81	44.0	14.2	Adeq.	8400	.									
S.D.	0.53	2.3	0.65	Adeq.	1906	.									

@ MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
. INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 5.3

HEMATOLOGY - CYTOLOGY
100 DAYS - MONTH 6

ANIMAL NUMBER	WBC (THP X10)	CELL VOL (%)	HGB (GMS)	PLATELET (THM X10)	NRBC (THM)	RETIC (%)	DIFFERENTIAL(%)							
							MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	OTHER
FEMALES															
152-I	5.64	37.5	12.7	Adeq.	10600	.	0	0	0	34	65	0	1	0	0
226-F	6.03	43.0	14.3	Adeq.	10400	.	0	0	0	20	75	2	1	0	0
494-H	5.96	42.0	13.4	Adeq.	8300	.	0	0	0	43	51	2	2	0	0
349-I	5.47	37.0	12.3	Adeq.	10800	.	0	0	0	50	41	1	2	0	0
287-I	5.07	39.5	12.6	Adeq.	7900	.	0	0	0	38	48	3	6	0	0
312-I	5.96	37.5	12.0	Adeq.	7600	.	0	0	0	53	46	0	1	0	0
338-I	4.76	36.0	11.7	Adeq.	10300	.	0	0	1	30	62	3	4	0	0
778-I	5.76	39.5	12.8	Adeq.	10700	.	0	0	0	17	77	1	5	0	0
MEAN	5.53*	39.0**	12.7*	Adeq.	9575	.									
S.D.	0.43	2.5	0.82	Adeq.	1381	.									
MALES															
786-E	5.37	40.0	13.7	Adeq.	8900	.	0	0	0	72	28	0	0	0	0
429-I	5.96	41.0	13.8	Adeq.	9900	.	0	0	0	33	64	1	2	0	0
680-I	5.78	42.6	14.6	Adeq.	9640	.	0	0	0	15	85	0	0	0	0
427-J	5.31	41.5	13.7	Adeq.	11800	.	0	0	0	44	53	1	2	0	0
MEAN	5.60*	41.1**	13.9	Adeq.	10060	.									
S.D.	0.32	0.9	0.44	Adeq.	1260	.									

@ MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
@ INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 6

HEMATOLOGY - CYTOLOGY
CONTROL - RATIO A

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIALS(%)							
							MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	ESINOP
FEMALES															
704-E	6.63	42.0	14.0	Adeq.	6400	.	0	0	1	25	74	0	0	0	0
807-F	7.38	47.5	16.2	Adeq.	8400	.	0	0	0	42	55	0	3	0	0
205-I	6.88	47.5	15.8	Adeq.	9300	.	0	0	0	45	48	2	7	0	0
274-F	5.93	44.0	14.8	Adeq.	8300	.	0	0	0	47	52	1	0	0	0
969-H	6.78	49.0	16.6	Adeq.	6600	.	0	0	1	35	64	0	1	0	0
578-H	6.58	41.5	13.7	Adeq.	7200	.	0	0	0	42	53	1	4	0	0
604-E ELI	5.55	37.5	12.4	Adeq.	6200	.	0	0	0	33	61	2	2	0	0
618-I	7.32	45.0	15.2	Adeq.	8200	.	0	0	0	41	57	1	1	0	0
MEAN	6.63	44.3	14.8	Adeq.	7575	.									
S.D.	0.63	3.8	1.41	Adeq.	1130	.									
MALES															
739-I	6.78	42.5	14.0	Adeq.	5900	.	0	0	1	69	25	4	1	1	0
227-G	6.56	43.0	14.2	Adeq.	11600	.	0	0	1	44	49	1	4	1	0
426-G	6.68	45.0	14.3	Adeq.	4400	.	0	0	0	48	49	1	0	0	0
618-J	6.85	44.0	14.1	Adeq.	9700	.	0	0	0	37	61	0	0	0	0
MEAN	6.69	43.6	14.1	Adeq.	6400	.									
S.D.	0.31	1.1	0.13	Adeq.	3580	.									

@ MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
# INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 6.1

HEMATOLOGY - CYTOLOGY
5 UG/KG - MONTH 8

ANIMAL NUMBER	WBC (MM X10)	CELL VOL (%)	HGB (GPS)	PLATELET (PP X10)	WHC (MM)	RETIC (%)	DIFFERENTIALS(%) MYE	JUV	MAN	SEG	LYM	MON	EOS	MAS	OTHER
FEMALES															
546-F	6.91	42.0	14.1	Adeq.	6600	.	0	0	0	39	60	1	0	0	0
781-F	6.34	42.5	13.9	Adeq.	7800	.	0	0	0	67	31	0	0	0	0
483-F	6.40	41.0	13.0	Adeq.	4300	.	0	0	0	18	82	0	0	0	0
605-F	7.94	44.5	15.4	Adeq.	5200	.	0	0	0	34	62	0	4	0	0
839-H	6.72	44.0	14.2	Adeq.	5200	.	0	0	0	10	78	2	2	0	0
284-I	6.01	42.0	13.8	Adeq.	4300	.	0	0	0	66	31	0	2	1	0
309-I	5.59	45.5	15.2	Adeq.	6400	.	0	0	0	35	55	2	10	0	0
524-I	7.87	46.0	14.9	Adeq.	7100	.	0	0	0	34	61	2	2	1	0
MEAN	6.93	43.4	14.3	Adeq.	6188*	.									
S.D.	0.43	1.4	0.89	Adeq.	1092	.									
MALES															
516-G	6.13	46.0	15.0	Adeq.	6700	.	0	0	0	69	31	0	0	0	0
119-H	6.19	40.0	12.4	Adeq.	4400	.	0	0	0	40	50	2	0	0	0
428-J	5.99	42.0	13.0	Adeq.	7500	.	0	0	0	30	57	0	3	0	0
432-J	5.99	42.0	13.0	Adeq.	7500	.	0	0	1	34	60	1	3	1	0
MEAN	6.07*	42.5	13.4	Adeq.	5525	.									
S.D.	0.10	2.5	1.09	Adeq.	1966	.									

0 MYE = MYELOCYTES, JUV = JUVENILES, MAN = MANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, MAS = MASOPHILS.
0 INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016604

TABLE 6.2

HEMATOLOGY - CYTOLOGY
25 UG/KG - MONTH 6

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIATED MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	LYMPH
FEMALES															
762-F	6.18	40.5	12.9	Adeq.	4700	.	0	0	0	32	57	0	11	0	0
763-F	6.00	42.0	13.2	Adeq.	5500	.	0	0	0	38	60	1	1	0	0
281-G	5.83	37.5	12.0	Adeq.	5000	.	0	0	3	29	65	0	5	1	0
550-H	5.43	36.0	12.2	Adeq.	5500	.	0	0	0	18	82	0	0	0	0
861-H	5.05	35.0	11.8	Adeq.	9700	.	0	0	0	38	53	2	7	0	0
271-I	6.66	42.5	15.0	Adeq.	8300	.	0	0	0	28	65	1	6	0	0
387-I	5.99	39.5	13.0	Adeq.	8800	.	0	0	0	25	72	1	2	0	0
757-I	5.61	38.5	12.4	Adeq.	7900	.	0	0	0	36	62	0	2	0	0
MEAN	5.84*	38.9**	12.8**	Adeq.	7025	.									
S.D.	0.49	2.7	1.01	Adeq.	1845	.									
MALES															
020-I	6.25	44.0	13.9	Adeq.	6830	.	0	0	0	70	30	0	0	0	0
046-I	5.82	40.5	15.3	Adeq.	LEUKO	.	0	0	0	58	41	0	1	0	0
595-I	6.18	44.0	14.5	Adeq.	4600	.	0	0	1	45	51	0	3	0	0
599-I	5.64	45.0	15.3	Adeq.	7000	.	0	0	0	48	51	0	1	0	0
MEAN	5.97	45.6	14.7	Adeq.	7550	.									
S.D.	0.29	2.6	0.68	Adeq.	3019	.									

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILES, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILES, BAS = BASOPHILES.
@ INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 6.3

HEMATOLOGY - CYTOLOGY
100 mg/kg - MONTH 9

ANIMAL NUMBER	RBC (MM X10 3)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10 3)	WBC (MM 3)	RETIC (%)	DIFFERENTIALS (%)							
							MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	OTHER
FEMALES															
152-F	6.68	34.0	12.0	Adeq.	10600	.	0	0	0	34	63	1	2	0	0
226-I	5.58	41.0	13.4	Adeq.	9000	.	0	0	0	14	86	1	1	0	0
404-M	5.07Δ	38.5Δ	13.1Δ	Adeq.	16400Δ	.	0	0	0	73Δ	25Δ	2Δ	0	0	0
269-I	6.67	39.0	12.7	Adeq.	8900	.	0	0	0	42	55	0	1	2	0
287-I	5.50	37.5	12.0	Adeq.	8000	.	0	0	0	16	82	2	0	0	0
312-I	5.49	40.0	13.7	Adeq.	5900	.	0	0	0	44	54	1	1	0	0
334-I	6.78	33.5	11.7	Adeq.	7900	.	0	0	0	59	45	2	1	1	0
770-I	5.01	33.5	11.2	Adeq.	9900	.	0	0	2	28	67	0	1	2	0
MEAN	5.35**	37.1**	12.5**	Adeq.	9550	.									
S.D.	0.65	3.0	0.88	Adeq.	3121	.									
MALES															
706-E	5.61	41.5	14.1	Adeq.	6000	.	0	0	0	62	38	0	0	0	0
425-I	6.68	40.0	12.9	Adeq.	7400	.	0	0	0	59	41	0	0	0	0
480-I	7.72	43.5	14.3	Adeq.	9300	.	0	0	1	84	14	0	1	0	0
427-J	5.58	43.0	13.7	Adeq.	10430	.	0	0	0	57	42	0	0	1	0
MEAN	6.35	42.6	13.8	Adeq.	8775	.									
S.D.	1.01	1.6	0.66	Adeq.	1959	.									

β MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.

Δ INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016606

TABLE 7

HEMATOLOGY - CYTOLOGY
CONDITION - WEEK 10

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (CC)	HGB (GMS)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIAL/CELL							
							MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	FIBRA
FEMALES															
769-E (2)	6.06	30.5	11.3	Adeq.	6400	.	0	0	0	41	59	0	0	0	0
847-F (1)	7.53	51.0	15.7	Adeq.	6900	.	0	0	0	34	65	2	0	0	0
200-I (1)	6.34	45.5	15.7	Adeq.	7400	.	0	0	0	25	75	0	0	0	0
274-F (2)	5.55	36.0	11.5	Adeq.	5700	.	0	0	0	36	63	0	1	0	0
969-H	6.68	48.0	15.6	Adeq.	5900	.	0	0	0	33	66	2	1	0	0
478-H (2)	6.64	42.0	13.5	Adeq.	6000	.	0	0	0	37	61	0	0	0	0
604-I (3)	6.97	41.5	13.6	Adeq.	8400	.	0	0	1	39	59	0	1	0	0
618-I (2)	6.40	38.0	12.9	Adeq.	5800	.	0	0	0	52	46	0	0	0	0
MEAN	6.30	41.6	13.6	Adeq.	6513	.									
S.D.	0.78	6.7	1.84	Adeq.	1025	.									
MALES															
739-F	6.83	40.5	14.0	Adeq.	6300	.	0	0	0	37	62	1	0	0	0
227-G	5.90	41.5	13.5	Adeq.	12100	.	0	0	0	23	72	0	1	0	0
426-G	5.81	44.0	14.4	Adeq.	4200	.	0	0	0	47	51	0	2	0	0
618-J	6.48	43.5	14.4	Adeq.	7900	.	0	0	0	32	66	1	1	0	0
MEAN	6.05	42.4	14.2	Adeq.	7625	.									
S.D.	0.30	1.7	0.26	Adeq.	3346	.									

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 7.1

HEMATOLOGY - CYTOLOGY
5 UG/KG RATIO 10

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIAL(%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	ETHER
FEMALES															
646-I (2)	5.74	43.5	14.4	Adeq.	6700	.	0	0	0	30	67	2	1	0	0
701-E (1)	5.56	37.5	12.1	Adeq.	9100	.	0	0	0	36	62	1	1	0	0
481-F	5.35	40.0	14.0	Adeq.	5500	.	0	0	0	36	64	0	0	0	0
609-F (2)	6.48	42.0	13.4	Adeq.	7900	.	0	0	0	41	59	0	0	0	0
839-H	6.44	44.0	13.9	Adeq.	4000	.	0	0	0	21	77	0	2	0	0
284-I	5.10	40.5	12.6	Adeq.	7600	.	0	0	0	43	56	1	0	0	0
309-I	6.02	44.0	14.4	Adeq.	6100	.	0	0	0	29	64	3	4	0	0
624-I (2)	6.78	43.5	14.2	Adeq.	10700	.	0	0	0	31	68	1	0	0	0
MEAN	5.93	41.9	13.6	Adeq.	7225	.									
S.D.	0.60	2.4	0.86	Adeq.	2135	.									
MALES															
516-G	6.84	47.0	15.0	Adeq.	6200	.	0	0	0	32	67	0	1	0	0
119-H	5.25	39.0	12.4	Adeq.	5000	.	0	0	0	52	47	0	1	0	0
428-J	6.10	44.5	14.4	Adeq.	7500	.	0	0	0	54	46	0	0	0	0
432-J	5.50	40.5	12.4	Adeq.	6200	.	0	0	0	21	78	1	0	0	0
MEAN	5.92	42.8	13.5	Adeq.	6225	.									
S.D.	0.71	3.7	1.35	Adeq.	1021	.									

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED GEOTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016608

TABLE 7.2

HEMATOLOGY - CYTOLOGY
29 WEEKS - MONTH 10

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GMS)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIAL (%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	LUMP
FEMALES															
762-E (1)	4.89	35.0	11.8	Adeq.	4300	.	0	0	0	37	61	0	1	0	0
761-E (2)	5.70	37.5	12.9	Adeq.	6700	.	0	0	1	40	59	1	0	0	0
281-G	4.92	36.0	12.3	Adeq.	3700	.	0	0	0	43	51	4	0	0	0
560-H (2)	5.00	34.0	11.4	Adeq.	6400	.	0	0	0	57	43	0	0	0	0
841-H (2)	5.64	36.5	12.9	Adeq.	6400	.	0	0	0	75	24	1	0	0	0
273-I (2)	5.23	41.0	14.1	Adeq.	7.0C	.	0	0	0	42	54	1	1	0	0
307-I	5.21	38.5	13.1	Adeq.	12400	.	0	0	0	27	64	5	3	1	0
757-I (2)	4.74	36.0	11.7	Adeq.	9100	.	0	0	0	64	33	2	1	0	0
MEAN	5.17a	36.6	12.5	Adeq.	7138	.									
S.D.	0.35	2.5	0.90	Adeq.	2404	.									
MALES															
20-I	6.55	42.0	14.4	Adeq.	5400	.	0	0	0	53	46	1	0	0	0
044-I	6.51	45.0	14.6	Adeq.	9100	.	0	0	0	46	48	2	3	0	0
595-I	5.78	42.5	14.C	Adeq.	3600	.	0	0	0	26	74	0	0	0	0
599-I	6.22	46.5	15.0	Adeq.	5700	.	0	0	0	51	43	3	1	0	0
MEAN	6.26	44.0	14.2	Adeq.	5950	.									
S.D.	0.36	2.1	0.67	Adeq.	2160	.									

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILES, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 7.3

HEMATOLOGY CYTOLOGY
100 DAYS - MONTH 10

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (G/DL)	PLATELET (MM X10)	WBC (MM)	TOXIC (%)	DIFFERENTIALS (%)							
							INF	JUV	BAND	SEG	LYM	MON	EOS	BAS
FEMALES														
152-F	4.30	31.0	10.3	Adeq.	3100	.	0	0	0	17	81	0	0	0
226-F	4.72	39.0	12.6	Adeq.	7700	.	0	0	0	16	77	2	5	0
406-H	5.03	36.0	12.2	Mk. Dec.	5200	.	0	0	0	13	84	0	3	0
269-L	4.41	33.0	11.5	Adeq.	5500	.	0	0	1	57	40	1	1	0
287-I	5.60	37.5	12.2	Adeq.	5700	.	0	0	0	34	64	0	2	0
312-I [2]	4.62	35.5	11.4	Adeq.	8450	.	0	0	1	64	33	2	0	0
318-I [1]	4.94	35.0	11.7	Adeq.	7700	.	0	1	1	50	47	0	1	0
110-1	4.54	33.0	10.8	Adeq.	8400	.	0	0	0	17	76	1	6	0
MEAN	4.72**	35.0*	11.6*	Adeq.	6213	.								
S.D.	0.42	2.6	0.77	Adeq.	2117	.								
MALES														
706-F	5.02	37.0	12.6	Adeq.	7000	.	0	0	0	75	25	0	0	0
425-I	5.71	40.0	12.8	Adeq.	7900	.	0	0	0	41	51	0	2	0
690-I	6.07	41.5	13.7	Adeq.	7400	.	0	0	0	78	22	0	0	0
427-J	5.75	40.5	13.0	Adeq.	6700	.	0	0	0	35	58	1	4	2
MEAN	5.64	39.8	13.0**	Adeq.	7225	.								
S.D.	0.44	1.9	0.48	Adeq.	475	.								

0 MYE = MYELOCYTES, JUV = JUVENILES, BAND = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016610

TABLE 8

HEMATOLOGY - CYTOLOGY
CONTROL - MONTH 12

ANIMAL NUMBER	RBC (MM X10 3)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10 3)	WBC (MM 3)	ATYPIC (%)	DIFFERENTIAL COUNT MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	LYMPH
FEMALES															
764-E (6)	5.03	43.0	13.9	Adeq.	7100	.	0	0	0	62	37	1	0	0	0
087-I (3)	5.88	44.0	15.0	Adeq.	9000	.	0	0	1	56	42	2	1	0	0
208-F (2)	5.19	40.0	13.6	Adeq.	11000	.	0	0	0	49	46	4	1	0	0
274-E (4)	6.04	41.5	14.4	Adeq.	9400	.	0	0	0	45	52	1	2	0	0
569-H	6.07	44.5	15.2	Adeq.	6200	.	0	0	0	50	46	3	1	0	0
578-H (6)	6.83	43.5	14.5	Adeq.	6700	.	0	0	1	57	40	2	0	0	0
604-I (5)	5.16	37.0	13.2	Adeq.	9400	.	0	0	0	55	43	2	0	0	0
618-I (4)	5.80	41.5	14.6	Adeq.	10300	.	0	0	0	56	42	1	1	0	0
MEAN	5.67	41.9	14.1	Adeq.	8400	.									
S.D.	0.48	2.5	0.69	Adeq.	2193	.									
MALES															
739-I	5.88	40.0	13.2	Adeq.	5100	.	0	0	0	29	67	1	1	0	0
227-G	5.75	43.0	14.4	Adeq.	8400	.	0	0	0	49	42	5	4	0	0
426-G	5.85	40.5	14.1	Adeq.	3400	.	0	0	0	66	30	2	2	0	0
418-J	5.96	43.0	14.6	Adeq.	4400	.	0	0	0	21	73	0	0	0	0
MEAN	5.86	41.6	14.1	Adeq.	5475	.									
S.D.	0.09	1.6	0.62	Adeq.	2300	.									

0 MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
0 INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE B.1

HEMATOLOGY - CYTOLOGY
5 UG/KG - MONTH 12

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	FECIC (%)	DIFFERENTIALS (%)							
							MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS
FEMALES														
646-E (4)	6.94	44.0	15.0	Adeq.	6400	.	0	0	0	47	47	5	1	0
701-E (3)	5.96	40.0	14.6	Adeq.	6300	.	0	0	0	47	51	0	0	0
483-F	5.29	37.5	13.1	Adeq.	3400	.	0	0	0	37	61	0	0	0
605-F (4)	5.01	40.0	13.1	Adeq.	6400	.	0	0	0	30	69	1	0	0
839-H	5.72	41.5	14.8	Adeq.	4200	.	0	0	0	33	60	1	0	0
284-I	4.77	39.0	12.8	Adeq.	7800	.	0	0	0	40	60	0	0	0
309-I (1)	5.69	41.0	14.7	Adeq.	8000	.	0	0	0	26	57	2	15	0
824-I (6)	6.19	43.0	14.4	Adeq.	9100	.	0	0	0	47	49	3	1	0
MEAN	5.80	40.8	14.1	Adeq.	6413	.								
S.D.	0.63	2.1	0.90	Adeq.	1827	.								
MALES														
514-G	6.41	46.5	15.1	Adeq.	4200	.	0	0	0	39	59	2	0	0
189-H	5.64	40.0	13.3	Adeq.	5500	.	0	0	1	52	46	0	1	0
428-J	5.68	42.0	13.8	Adeq.	6100	.	0	0	0	27	72	0	1	0
432-J	5.74	40.5	14.9	Adeq.	3700	.	0	0	0	33	65	1	1	0
MEAN	5.82	42.3	14.3	Adeq.	4425	.								
S.D.	0.41	3.0	0.87	Adeq.	763	.								

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
# INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 8.2

HEMATOLOGY - CYTOLOGY
25 WEEKS - MONTH 12

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	TOXIC (%)	DIFFERENTIAL (%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	LUKP
FEMALES															
762-E (3)	5.61	42.0	13.7	Adeq.	6100	.	0	0	0	69	28	1	2	0	0
763-E (4)	5.66	46.0	14.7	Adeq.	6200	.	0	0	2	58	37	0	1	0	0
201-G	4.65	35.5	12.1	Adeq.	4400	.	0	0	0	65	29	1	1	0	0
540-H (4)	5.46	42.0	13.5	Adeq.	6600	.	0	0	1	59	36	0	4	0	0
861-H (4)	5.70	40.0	13.7	Adeq.	9100	.	0	0	1	76	20	1	2	0	0
221-I (4)	4.18	37.0	12.7	Adeq.	8900	.	0	0	0	62	37	0	0	1	0
307-I	4.96	39.5	13.1	Adeq.	9700	.	0	0	1	77	44	0	0	0	0
757-I (4)	5.40	41.0	13.4	Adeq.	9600	.	0	0	0	30	65	2	3	0	0
MEAN	5.23	40.4	13.49	Adeq.	7450	.									
S.D.	0.57	3.2	0.77	Adeq.	1875	.									
MALES															
070-I	6.01	43.5	13.4	Adeq.	6400	.	0	0	0	44	53	1	2	0	0
044-I	5.99	42.0	14.3	Adeq.	3400	.	0	0	0	49	47	2	2	0	0
595-I	5.75	38.0	13.3	Adeq.	3900	.	0	0	0	53	47	0	0	0	0
509-I	5.74	44.5	14.7	Adeq.	7300	.	0	0	0	28	66	1	5	0	0
MEAN	5.87	42.0	13.9	Adeq.	6850	.									
S.D.	0.15	2.9	0.68	Adeq.	1654	.									

@ MYE = MYELOCYTES; JUV = JUVENILES; BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
. INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 8.3

HEMATOLOGY - CYTOLOGY
100 UG/KG - MONTH 12

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (PM X10)	WBC (MM)	RETIC (%)	DIFFERENTIALS(%)							
							MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	OTHER
FEMALES															
206-I (2)	5.17	41.0	13.3	Adeq.	4800	-	0	0	0	28	71	1	0	0	0
506-H	1.35	10.5	4.0	Adeq.	1400	-	0	0	0	17	82	1	0	0	0
169-I	4.75	35.0	11.7	Adeq.	12000	-	0	0	0	81	15	2	2	0	0
203-I	5.36	41.0	262.0	Adeq.	6100	-	0	0	0	48	48	0	0	0	0
312-I (4)	5.36	42.0	14.9	Adeq.	8200	-	0	0	0	73	24	1	2	0	0
330-I (3)	4.26	36.0	12.1	Adeq.	8100	-	0	0	0	55	42	1	2	0	0
270-I	3.91	28.0	9.8	Adeq.	9100	-	0	0	0	11	87	2	0	0	0
MEAN	4.29*	33.9*	47.2	Adeq.	6557	-									
S.D.	1.26	9.9	94.77	Adeq.	3363	-									
MALES															
206-I	5.74	37.5	13.9	Adeq.	9400	-	0	0	0	40	59	0	1	0	0
425-I	5.42	36.0	12.3	Adeq.	5700	-	0	0	0	61	38	1	0	0	0
408-I	5.70	40.5	13.8	Adeq.	9100	-	0	0	0	52	48	0	0	0	0
429-J	4.71	36.0	12.0	Adeq.	5700	-	0	0	0	38	60	1	1	0	0
MEAN	5.39*	38.0*	12.9	Adeq.	5879	-									
S.D.	0.46	2.3	0.86	Adeq.	776	-									

0 MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
0 INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 9

HEMATOLOGY - [illegible]
CONTROL - [illegible]

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIALS (%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	LUNK
FEMALES															
764-E (5)	4.38	41.0	13.8	303	5400	[illegible]	0	0	0	80	20	0	0	0	0
200-F (4)	4.92	43.0	13.5	336	6800	[illegible]	0	0	0	65	29	1	1	0	0
274-F (5)	5.20	41.5	13.1	246	9500	[illegible]	0	0	1	64	32	1	0	0	0
569-H	6.79	47.5	15.7	339	6500	[illegible]	0	0	0	74	24	2	1	0	0
578-H (5)	6.20	42.0	13.5	390	7400	[illegible]	0	0	0	30	65	2	1	0	0
604-I (6)	4.22 a	37.0 a	12.0 a	231	7600	[illegible]	0	0	1	69	30	0	0	0	0
618-I (5)	5.05	40.5	11.0	354	6600	[illegible]	0	0	0	49	49	2	0	0	0
MEAN	5.42	42.6	13.6	286	7100	[illegible]									
S.D.	0.89	2.6	1.04	80	1240	[illegible]									
MALES															
739-F	5.47	41.5	14.4	170	5300	[illegible]	0	0	0	21	77	0	0	0	0
227-G	5.54	44.0	15.7	260	6400	[illegible]	0	0	0	32	65	0	1	0	0
426-G	5.82	45.0	14.8	209	6800	[illegible]	0	0	1	27	56	1	14	1	0
618-J	6.25	43.0	15.2	244	7500	[illegible]	0	0	0	36	62	1	1	0	0
MEAN	5.77	43.4	15.0	226	5500	[illegible]									
S.D.	0.35	1.5	0.56	47	1383	[illegible]									

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 9.1

HEMATOLOGY - CYTOLOGY
5 UG/KG - WEEK 13

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GMS)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFF (PERIPHERAL BLOOD)								
							MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	ATYP
FEMALES															
644-E (5)	6.67	47.0	15.1	401	9900	1.6	0	0	0	30	68	2	0	0	0
701-E (4)	5.32	45.0	14.5	313	6430	1.7	0	0	0	65	35	0	2	0	0
403-E	4.20	40.0	13.9	294	7100	2.9	0	0	0	22	76	1	1	0	0
604-E (5)	5.64	40.0	13.8	354	6100	2.4	0	0	0	36	63	0	1	0	0
839-H	5.21	44.5	14.5	251	6600	2.0	0	0	0	24	71	0	5	0	0
204-I (1)	5.27	46.0	13.9	237	10200	1.7	0	0	0	40	59	0	1	0	0
301-I (2)	5.48	41.0	13.7	389	12000	2.0	0	0	0	24	72	2	2	0	0
624-I (5)	5.00	41.0	13.0	294	12900	2.2	0	0	0	32	66	1	1	0	0
MEAN	5.44	42.3	14.0	292	8900	1.9**									
S.D.	0.63	2.8	0.78	81	2697	0.60									
MALES															
516-G	5.89	44.0	14.2	351	6400	0.6	0	0	0	33	67	0	1	0	0
119-H	5.12	40.0	14.0	288	7000	0.9	0	0	0	35	59	4	2	0	0
428-J	5.24	42.0	13.8	258	6900	1.2	0	0	0	54	44	1	1	0	0
432-J	4.99	39.0	14.0	251	6200	1.8	0	0	0	38	59	1	2	0	0
MEAN	5.31	41.3	14.0*	287	6625	1.1									
S.D.	0.40	2.2	0.16	46	1245	0.51									

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
@ INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 9.2

HEMATOLOGY - CYTOLOGY
25 MG/KG - MONTH 13

ANIMAL NUMBER	RBC (MM #10)	CELL VOL (%)	HGB (GMS)	PLATELET (MM #10)	WBC (MM)	RETIC (%)	DIFFERENTIAL(%%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	OTHER	
FEMALES																
262-C (S)	9.75	44.0	14.0	379	5700	1.5.	0	0	1	63	36	0	0	0	0	
263-C (S)	8.58	41.0	14.0	397	6700	1.0	0	0	0	68	32	0	0	0	0	
281-C	5.81	37.0	12.0	475	9400	0.4	0	0	1	22	76	1	2	0	0	
840-H (S)	8.20	38.0	13.3	283	6900	2.9	0	0	4	58	35	1	0	0	0	
841-H (S)	9.29	46.0	13.9	330	9700	1.3	0	0	0	58	38	2	2	0	0	
273-I (S)	3.70	33.0	11.3	616	10700	2.1	0	0	0	56	34	0	10	0	0	
302-I	5.37	42.0	14.5	235	8500	1.1	0	0	0	31	59	0	5	0	0	FC
759-I (S)	5.36	41.0	14.0	491	8100	0.9	0	0	2	78	20	0	0	0	1	
MEAN	5.84	39.5	13.4	391	7650	1.1										
S.D.	0.58	3.4	1.19	137	1811	0.59										
MALES																
820-I	5.21	42.0	14.2	358	6000	1.1	0	0	0	25	72	2	1	0	0	
846-I	6.45	46.0	15.3	546	6600	0.9	0	0	0	51	47	0	2	0	1	
598-I	4.72Δ	42.0Δ	14.2Δ	376Δ	4900Δ	0.5Δ	0Δ	0Δ	0Δ	26Δ	71Δ	1Δ	0Δ	0Δ	0Δ	
599-I	6.20Δ	44.5Δ	15.3Δ	250Δ	6700Δ	1.2Δ	0Δ	0Δ	0Δ	28Δ	70Δ	1Δ	3Δ	0Δ	3Δ	
MEAN	5.44	43.6	14.7	369	5925	1.0										
S.D.	0.82	2.0	0.69	113	1063	0.43										

0 MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
0 INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 9.3

HEMATOLOGY - [illegible]
100 MG/KG - [illegible]

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB. (GM%)	PLATELET (MM X10)	WBC (MM)	[illegible] (%)	DIFFERENTIALS(%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	OTHER
FEMALES															
226-F (3)	4.41	36.0	12.2	299	6530	[illegible]	0	0	0	37	63	1	4	0	0
269-I	3.93	31.0	10.7	289	5400	[illegible]	0	0	0	53	44	0	3	0	0
287-I	5.07	38.0	12.8	462	9900	[illegible]	0	0	0	49	46	1	4	0	0
312-I (5)	5.08	37.0	12.0	228	7900	[illegible]	0	0	0	35	64	0	0	0	0
338-I (4)	5.46	37.0	12.0	397	7600	[illegible]	0	0	0	43	54	0	3	0	0
MEAN	4.95	35.8**	11.9*	331	7460	[illegible]									
S.D.	0.70	2.8	0.77	87	(683	[illegible]									
MALES															
706-E	4.72	40.5	14.3	239	6090	[illegible]	0	0	0	65	31	0	4	0	0
425-I	5.27	40.0	13.2	418	8800	[illegible]	0	0	0	44	55	0	1	0	0
600-I	5.08	43.0	14.0	488	6500	[illegible]	0	0	0	52	45	0	3	0	0
427-J	4.66	40.5	13.2	311	8200	[illegible]	0	0	0	39	60	0	1	0	0
MEAN	4.93*	41.0	13.7*	362	7175	[illegible]									
S.D.	0.2*	1.4	0.56	109	(894	[illegible]									

0 MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILES, BAS = BASOPHILS.
0 INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 10

HEMATOLOGY -- CYTOLOGY
CONTROL - PERIOD 14

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GMS)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIALS(%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	LUNK
FEMALES															
764-F (6)	4.44 a	37.0 a	11.8 a	480	4700	1.0	0	0	0	43	53	1	3	0	0
780-F (9)	5.12	45.0	14.3	618	10900	1.0	0	0	1	63	33	2	1	0	0
771-F (6)	4.60 a	37.5 a	12.5 a	484	6400	2.5	0	0	1	56	35	3	5	0	0
569-M	4.39	46.0	14.4	199	5100	1.2	0	0	0	37	53	0	9	0	0
578-M (6)	4.99 a	42.5 a	13.5 a	200	5700	0.6	0	0	0	50	46	4	10	0	0
484-I (7)	4.22 a	36.5 a	11.5 a	312	7000	0.5	0	0	0	33	67	0	0	0	0
618-I (6)	5.32 a	44.0 a	14.1 a	337	6600	0.9	0	0	1	53	44	0	2	0	1
MEAN	5.75	45.5	14.6	347	6686	0.8									
S.D.	0.90	0.7	0.42	120	2854	0.78									
MALES															
739-F	5.15	40.5	14.0	220	5100	0.4	0	0	0	32	67	0	1	0	0
227-G	5.49	42.5	13.6	326	8200	0.4	0	0	0	20	75	0	4	1	0
426-G	4.55	45.0	14.4	333	7000	0.5	0	0	0	65	35	0	0	0	0
468-J	5.90	41.5	14.3	206	5000	0.6	0	0	0	34	64	0	2	0	0
MEAN	5.77	42.4	14.1	271	6325	0.5									
S.D.	0.60	1.9	0.36	68	1952	0.10									

@ MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016619

TABLE 10.1

HEMATOLOGY - CYTOLOGY
5 UG/KG - WEEK 14

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIALS(%)							
							MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS
FEMALES														
606-E	6.25	43.0	14.4	525	9100	3.2	0	0	0	39	59	2	0	0
701-E (5)	5.23	41.0	13.6	631	3000	3.5	0	0	0	41	58	0	1	0
603-F (1)	5.52	39.0	12.9	545	4800	3.0	0	0	1	37	58	4	0	0
819-H	6.38	43.0	14.9	157	4200	3.1	0	0	0	22	76	1	1	0
204-I (2)	6.21	40.0	13.3	354	7800	0.4	0	0	0	29	67	3	1	0
309-I (3)	5.97	42.0	14.1	414	8100	1.3	0	0	0	29	66	3	2	0
624-I (6)	6.33 a	40.5 a	13.5 a	317	11000	1.1	0	0	0	59	40	0	2	0
MEAN	5.91	41.3	13.7	420	6971	1.1								
S.D.	0.44	1.6	0.76	161	2744	1.4								
MALES														
514-G	6.14	44.0	15.5	278	5060	0.7	0	0	0	36	51	1	12	0
119-H	6.95	43.0	13.8	214	5000	0.5	0	0	0	34	49	8	8	0
420-J	6.95	42.0	14.5	199	7400	0.6	0	0	0	47	45	5	3	0
432-J	5.97	41.0	13.6	231	4300	0.5	0	0	0	29	68	1	2	0
MEAN	6.50	42.5	14.3	231	5425	0.4								
S.D.	0.52	1.3	0.86	34	1357	0.10								

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

Note: Blood not drawn on 605-F.

MONS 016620

TABLE 10.2

HEMATOLOGY - CYTOLOGY
25 UG/KG - DAYS 14

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GMS)	PLATELET (MM X10)	WBC (MM)	RETIC %	DIFFERENTIALS(%)							
							MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS
FEMALES														
762-F (5)	5.25	41.0	13.1	325	4500	0.[illegible]	0	0	[illegible]	57	34	4	5	0
763-F (6)	6.48 d	40.0 d	14.0 d	207	7200	0.[illegible]	0	0	0	68	32	0	0	0
281-G	5.72	36.9	12.9	329	5700	1.[illegible]	0	0	0	70	28	1	1	0
540-H (6)	5.04 d	37.0 d	12.5 d	606	5500	0.[illegible]	0	0	0	50	48	1	1	0
841-H (6)	4.80 d	35.0 d	11.8 d	265	10000	0.[illegible]	0	0	1	56	41	0	10	0
273-I (6)	5.90 d	35.8 d	10.9 d	265	11600	0.[illegible]	0	0	1	62	35	0	2	0
307-I	5.88	39.0	13.9	444	11300	0.[illegible]	0	0	0	26	72	1	1	0
351-I (6)	4.07 d	31.0 d	10.4 d	371	4800	3.[illegible]	0	0	0	43	54	1	2	0
MEAN	5.62	38.8*	13.3	352	7575	0.[illegible]								
S.D.	0.33	2.3	0.53	126	2954	0.[illegible]								
MALES														
020-I	6.32	44.0	14.8	266	5400	1.[illegible]	0	0	0	33	64	2	1	0
046-I	6.50	46.0	15.3	537	6800	0.[illegible]	0	0	0	49	50	0	1	0
595-I	5.72	41.5	14.0	208	3500	0.[illegible]	0	0	0	28	69	0	3	0
599-I	6.16	44.5	15.0	182	7400	0.[illegible]	0	0	0	29	65	0	6	0
MEAN	6.17	44.0	14.8	273	5775	0.7								
S.D.	0.33	1.9	0.56	115	1733	0.[illegible]								

* MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
d INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 10.3

HEMATOLOGY - CYTOLOGY
100 UG/KG - DAYS 0 14

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIALS							
							JVE	JUV	BAN	SEG	LYM	MON	EOS	BAS
FEMALES														
224-F (4)	5.52	41.0	13.7	197	6700	1.0	0	0	0	29	69	0	2	0
249-1	5.59	36.0	11.9	263	8100	0.7	0	0	0	37	58	0	5	0
287-1	5.27	35.5	11.1	301	5300	1.1	0	0	0	36	61	0	1	0
312-1 (6)	7.22 a	41.0 a	14.3 a	393	5700	0.5	0	0	0	51	46	3	0	0
330-1 (5)	5.38	34.0	11.4	257	8300	1.1	0	0	0	23	77	0	0	0
MEAN	5.46	36.60	12.10	290	6420	0.9								
S.D.	0.14	3.0	1.11	95	1171	0.39								
MALES														
206-E	4.80	34.0	11.6	219	4600	2.2	0	0	0	40	60	0	0	0
425-1	5.81	41.0	13.8	275	8400	0.8	0	0	0	50	48	0	2	0
600-1	5.61	39.0	13.7	454	5000	0.5	0	0	0	54	44	0	2	0
627-J	5.25	40.0	13.0	262	7250	1.2	0	0	0	39	56	0	2	0
MEAN	5.39	38.5	13.0	303	6500	1.2								
S.D.	0.41	3.1	1.01	104	1651	0.7.								

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE II

HEMATOLOGY - CYTOLOGY
CONTROL - MONTH 15

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GMS)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIAL(%)							
							MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	COMB
FEMALES															
766-E (7)	5.70 @	40.0 @	13.7 @	458	5200	1.7	0	0	0	61	37	0	0	0	0
200-F (6)	5.41 @	42.5 @	14.3 @	193	11200	0.6	0	0	0	69	23	6	1	1	0
276-I (7)	5.24 @	38.5 @	13.6 @	305	9400	3.7	0	0	0	71	16	1	2	0	0
569-H	7.03	45.0	15.5	347	7400	0.5	0	0	0	66	32	2	0	0	0
578-H (7)	6.14 @	40.0 @	13.9 @	675	8600	0.3	0	0	0	29	69	1	1	0	0
604-I	4.56	36.0	11.8	380	6700	1.7	0	0	0	77	21	0	2	0	0
618-I (7)	6.94 @	43.5 @	14.6 @	313	12300	0.1	0	0	1	37	61	1	1	0	0
MEAN	5.79	40.5	13.6	380	8686	0.5									
S.D.	1.75	8.4	2.62	152	2505	0.63									
MALES															
739-F	5.44	38.0	13.2	385	7300	0.1	0	0	0	61	35	3	0	1	0
227-G	5.21	40.5	14.2	315	11600	0.1	0	0	0	37	57	3	3	0	0
426-G	5.34	40.0	13.5	295	4000	0.1	0	0	0	75	23	0	1	1	0
618-J	5.77	42.5	14.2	345	9500	0.1	0	0	0	57	35	5	3	0	0
MEAN	5.44	40.3	13.8	335	8100	0.1									
S.D.	0.24	1.8	0.51	39	3249	0.21									

@ MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
@ INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016623

TABLE II.1

HEMATOLOGY - CYTOXAN
5 MG/KG - WEEK 15

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIALS (%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	ATYPIC
FEMALES															
646-F	7.51	42.0	13.7	510	4300	0.6	0	0	0	57	44	1	5	1	2
701-F (6)	5.15 a	33.5 a	11.1 a	296	5600	0.6	0	0	5	58	36	2	3	0	0
643-F (2)	5.29	36.5	12.7	395	6200	0.6	0	0	0	35	63	2	1	0	0
685-F (7)	5.40 a	31.0 a	9.2 a	442	6200	1.4	0	0	2	22	70	4	4	0	0
839-H	4.94	38.0	12.8	461	9700	1.5	0	0	0	21	77	1	1	0	0
284-I (3)	5.60	42.0	14.3	510	13900	0.7	0	0	0	44	54	2	0	0	0
307-I (4)	5.59	42.0	14.5	587	8200	0.5	0	0	0	53	35	3	9	0	0
624-I (5)	4.75 a	40.0 a	12.8 a	415	11300	0.6	0	0	4	44	51	2	0	0	0
MEAN	5.79	40.1	13.4	452	8625	1.7									
S.D.	1.00	2.7	0.83	88	2984	0.40									
MALES															
518-G	6.23	44.0	14.7	300	6000	0.4	0	0	0	51	47	2	0	0	0
819-H	5.09	37.0	12.9	220	4000	1.1	0	0	0	27	72	1	0	0	0
420-J	5.40	41.0	13.5	250	6400	1.5	0	0	0	63	29	7	1	0	0
432-J	4.83	38.0	12.2	288	5600	1.2	0	0	0	48	41	6	5	0	0
MEAN	5.39	40.0	13.3	264	5500	1.1									
S.D.	0.61	3.2	1.06	33	1052	0.47									

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016624

TABLE II.2

HEMATOLOGY - LEPTOLEGY
25 UG/KG - MONTH 15

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIALS (%)							
							AYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	ERMP
FEMALES															
762-E (6)	4.97 a	32.0 a	10.6 a	554	9600	2.5	0	0	2	73	23	0	2	0	0
761-E (7)	4.83 a	34.0 a	11.4 a	425	10400	1.4	0	0	3	34	63	0	0	0	0
281-G (1)	5.52	39.0	12.1	347	4900	1.0	0	0	0	30	67	1	2	0	0
940-H (7)	5.91 a	41.0 a	13.2 a	415	6300	0.6	0	0	0	37	63	0	0	0	0
841-H (7)	5.31 a	36.0 a	12.4 a	545	9500	0.3	0	0	0	55	42	3	0	0	0
273-I (7)	6.13 a	39.0 a	12.5 a	338	7600	0.3	0	0	0	26	69	2	3	0	0
307-I	6.66	40.5	14.1	555	9000	0.4	0	0	0	28	62	2	6	2	0
757-I (7)	5.15 a	38.5 a	12.8 a	522	6900	0.1	0	0	0	57	37	2	4	0	0
MEAN	5.98	39.8	13.1	443	8025	1.0									
S.D.	0.65	3.1	1.41	92	1904	0.76									
MALES															
820-I	5.84	39.0	13.0	420	5700	1.1	0	0	0	58	38	3	1	0	0
848-I	5.09	43.5	14.0	292	6700	1.0	0	0	1	57	33	6	5	0	0
595-I	4.77	38.5	12.5	259	3800	0.5	0	0	0	30	64	3	3	0	0
599-I	5.63	45.0	14.5	375	2200	0.5	0	0	0	39	59	0	2	0	0
MEAN	5.33	41.5	13.5	336	4600	0.7									
S.D.	0.52	3.2	0.91	75	2002	0.35									

0 AYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016625

TABLE II.3

HEMATOLOGY - CYTOLOGY
100 UG/KG - MONTH 15

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIALS(%)							
							MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	CIMA
FEMALES															
226-F (5)	5.36	35.5	12.3	315	9400	0.7	0	0	0	62	36	0	2	0	0
269-I	5.94	35.0	11.6	441	7900	1.1	0	0	0	28	72	0	0	0	0
287-I	5.26	35.5	11.4	509	7000	1.3	0	0	0	38	61	0	1	0	0
312-I (7)	4.89 @	38.0 @	13.0 @	197	7000	0.5	0	0	0	31	63	1	5	0	0
318-I	5.50	37.5	12.4	356	8000	0.7	0	0	0	46	52	0	2	0	0
MEAN	5.51	35.9	11.9	381	8070	0.7									
S.D.	0.30	1.1	0.50	150	867	0.36									
MALES															
706-F	5.60	34.0	11.0	243	7000	0.6	0	0	0	59	41	0	3	0	0
425-I	5.01	38.0	12.2	210	6000	1.4	0	0	0	68	30	1	1	0	0
608-I	4.92	38.0	12.8	295	9400	0.7	0	0	0	35	64	0	1	0	0
427-J	4.75	36.5	12.2	308	5300	1.4	0	0	0	34	59	1	4	0	0
MEAN	5.07	36.6*	12.0**	264	6925	0.4									
S.D.	0.37	1.9	0.75	46	1744	0.36									

@ MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
@ INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016626

TABLE 12

HEMATOLOGY - CYTOLOGY
CONTINUED - WEEK 26

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	DIFFIC (%)	DIFFERENTIALS (%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	LYMLR
FEMALES															
784-E	5.64	42.0	13.0	502	6400	0.6	0	0	0	40	56	3	3	0	0
200-F (2)	5.12 a	43.0 a	13.1 a	479	7700	1.2	0	0	0	54	36	5	4	1	0
274-F	5.18	40.0	13.4	392	9400	0.5	0	0	0	47	51	2	0	0	0
569-H	5.94	45.0	14.2	251	6100	0.6	0	0	0	29	62	6	3	0	0
574-H	5.37	42.0	13.0	450	6400	0.6	0	0	0	65	25	6	5	0	0
604-I	5.10	38.0	11.4	429	8900	0.7	0	0	0	58	37	2	3	2	0
618-I	5.95	42.0	13.5	309	8100	1.7	0	0	0	28	59	4	7	0	0
MEAN	5.53	41.5	13.1	402	7514	0.8									
S.D.	0.37	2.3	0.93	92	1378	0.45									
MALES															
739-F	5.70	41.0	14.5	164	5400	0.1	0	0	0	39	53	4	3	1	0
227-G	5.46	41.5	14.2	185	12100	2.5	0	0	0	15	56	1	7	1	0
424-G	5.24	40.0	12.7	261	5200	0.2	0	0	0	69	25	2	4	0	0
418-J	6.45	46.0	14.7	333	4100	0.4	0	0	0	14	78	4	3	1	0
MEAN	5.71	42.1	14.0	236	6675	0.3									
S.D.	0.53	2.7	0.91	77	3991	0.14									

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 12.1

HEMATOLOGY - CYTOLOGY
5 UG/KG MONTH 16

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIAL(%) MYE	JUV	BAN	SEG	LYM	PLM	EOS	BAS	FIBRE
FEMALES															
646-F	6.42	45.0	14.0	273	5900	0.1	0	0	0	35	55	4	6	0	0
701-E (7)	5.75 a	44.0 a	13.7 a	390	7700	0.7	0	0	0	50	47	3	0	0	0
483-F (3)	5.44	43.0	13.1	411	7000	1.3	0	0	0	75	24	0	1	0	0
605-F	6.02	42.5	13.0	345	8300	0.6	0	0	0	38	56	4	2	0	0
839-H	6.71	45.0	14.4	264	5100	0.8	0	0	0	18	73	5	4	0	0
284-I (4)	5.52	42.0	12.9	406	12300	1.2	0	0	0	89	11	0	1	0	0
389-I (5)	5.50	43.0	14.1	289	8900	0.5	0	0	0	68	24	2	6	0	0
674-I	6.66	47.0	15.0	514	5600	1.1	0	0	0	35	59	5	1	0	0
MEAN	6.04	43.9	13.8	362	7600	0.8									
S.D.	0.56	1.8	0.80	86	2323	0.43									
MALES															
516-G	6.68	45.0	12.8	273	6600	0.3	0	0	0	31	65	3	1	0	0
119-M	5.40	40.5	12.9	455	5800	0.8	0	0	0	49	43	5	3	0	0
428-J	8.32	44.0	14.3	288	7700	0.8	0	0	0	46	50	3	1	0	0
412-J	5.69	42.0	13.1	323	5800	0.4	0	0	0	31	56	3	10	0	0
MEAN	6.52	42.9	13.3	335	6475	0.6									
S.D.	1.32	2.0	0.69	83	900	0.26									

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MOB = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 12.2

HEMATOLOGY CYTOLOGY
25 MG/KG - MONTH 14

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GPS)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIAL(%) MYE	JUV	BAN	SEG	LYM	MNM	EOS	BAS	LINEA
FEMALES				*											
762-E (7)	5.42 a	42.0 a	12.7 a	373	7400	1.6	0	0	0	36	61	2	1	0	0
763-E	6.35	44.0	14.0	429	6600	0.2	0	0	0	42	57	1	0	0	0
281-G (2)	5.10	38.0	11.2	359	7300	0.1	0	0	0	49	42	8	1	0	0
540-H	5.03	34.0	10.4	577	7400	0.3	0	0	0	21	79	0	0	0	0
841-H	4.86	35.0	11.1	480	10500	0.2	0	0	0	66	28	2	4	0	0
273-I	5.07	42.0	13.1	450	10600	0.1	0	0	0	27	61	2	10	0	0
307-I	4.26	39.0	12.9	769	9600	0.3	0	0	0	27	66	3	4	0	0
757-I	4.27	34.0	10.8	407	21400	0.2	0	0	0	81	15	3	1	0	0
MEAN	4.99	38.0	11.9	482	10100	0.4									
S.D.	0.70	4.0	1.38	135	4826	0.50									
MALES															
020-I	5.84	43.0	14.0	582	4800	0.6	0	0	0	34	61[4]	3	2	0	0
046-I	6.17	46.0	14.4	395	6300	1.0	0	0	0	28	57	4	11	0	0
595-I	5.15	39.0	14.8	328	6500	0.2	0	0	0	40	53[4]	5	2	0	0
599-I	5.69	44.0	14.8	355	9900	0.1	0	0	0	51	45	3	1	0	0
MEAN	5.71	43.0	14.5	415*	6875	0.5									
S.D.	0.43	2.9	0.38	115	2155	0.41									

* MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MNM = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016629

TABLE 12.3

HEMATOLOGY - CYTOLOGY
100 MG/KG - MONTH 16

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIAL(%) MYE	JUV	BAN	SEG	LYM	PON	EOS	BAS	LTNO.
FEMALES															
226-F	3.69	34.0	10.2	413	9600	0.2	0	0	0	31	63	0	5	0	0
269-I	4.14	36.5	11.3	361	5400	0.2	0	0	0	25	74	0	1	0	0
287-I	4.28	37.0	11.8	441	8100	0.6	0	0	0	79	19	1	1	0	0
332-I	5.05	37.0	11.5	440	7300	0.4	0	0	0	47	49	4	0	0	0
338-I	3.80	33.0	10.4	301	6300	0.7	0	0	0	52	44	2	2	0	0
MEAN	4.21**	35.5**	11.0**	395	7340	0.4									
S.D.	0.52	1.9	0.70	65	1623	0.23									
MALES															
206-E	4.25	33.5	11.6	109	5500	0.5	0	0	0	68	28	2	2	0	0
425-I	5.49	40.0	12.8	426	8700	0.4	0	0	0	63	34	3	0	0	0
600-I	5.26	40.0	13.3	488	5400	0.3	0	0	0	33	57	6	2	0	0
427-J	7.03	39.5	13.2	390	9100	0.7	0	0	0	44	44	4	7	1	0
MEAN	5.51	38.3	12.7	353	7175	0.5									
S.D.	1.15	3.2	0.78	168	1599	0.17									

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
** INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016630

TABLE 13

HEMATOLOGY - CYTOLOGY
CONTINUED - MONTH 17

ANIMAL NUMBER	RBC (MM #10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM #10)	WBC (MM)	RETIC (%)	DIFFERENTIALS (%)							
							NVE	JUV	BAN	SEG	LYM	MON	EOS	BAS
FEMALES														
764-F	5.91	40.0	13.7	501	5900	0.3	0	0	0	45	51	0	4	0
200-F	5.93	45.5	14.7	495	10100	0.1	0	0	0	40	56	0	2	0
274-F	5.93	44.0	14.4	455	8400	0.2	0	0	0	49	45	2	4	0
569-M	6.13	44.5	14.8	367	5500	0.2	0	0	0	36	55	5	4	0
578-M	6.47	44.8	14.5	508	10400	0.6	0	0	0	51	29	5	14	1
604-I	4.91	38.5	11.7	328	12400	0.2	0	0	0	75	20	4	1	0
618-I	6.04	42.5	14.4	374	8700	3.0	0	0	0	47	43	7	2	1
MEAN	5.91	42.7	14.0	430	8671	0.7								
S.D.	0.48	2.6	1.09	78	2416	1.05								
MALES														
739-F	6.64	38.0	13.9	238	15700	0.6	0	0	0	75	21	4	0	0
227-G	5.34	41.0	14.0	252	16900	0.2	0	0	0	45	47	3	4	1
426-G	5.93	37.0	12.3	277	13400	1.0	0	0	0	44	33	3	0	0
418-J	5.81	43.0	14.3	286	11100	0.1	0	0	1	64	32	2	1	0
MEAN	5.93	39.8	13.6	263	14775	0.5								
S.D.	0.54	2.8	0.90	22	2561	0.41								

NVE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
0 INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 13.1

HEMATOLOGY - CYTOLOGY
5 UG/KG - MONTH 12

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	TEETC (%)	DIFFERENTIALS (%)							
							MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	COMM#
FEMALES															
644-E	6.80	42.5	14.2	313	9700	1.0	0	0	0	69	33	0	2	0	0
701-E	6.54	39.5	13.0	369	6700	0.4	0	0	0	59	36	5	0	0	0
603-F (6)	5.76	45.0	14.4	355	6800	0.9	0	0	0	65	30	2	3	0	0
605-F	6.69	41.5	14.1	504	7500	1.2	0	0	0	39	31	9	4	0	0
839-N	6.15	41.0	13.6	162	5900	1.0	0	0	0	56	35	7	2	0	0
704-I (5)	5.42	41.5	13.2	365	9100	0.8	0	0	0	65	33	0	2	0	0
309-J (6)	5.72 a	40.5 a	13.7 a	258	9700	0.9	0	0	1	47	36	10	6	0	0
624-I	7.27	45.0	15.0	374	12400	0.8	0	0	0	53	42	4	1	0	0
MEAN	6.38	42.3	14.0	338	8375	0.9									
S.D.	0.64	2.1	0.93	99	2104	0.23									
MALES															
516-G	6.01	42.0	14.2	274	6400	1.0	0	0	0	51	44	2	1	2	0
119-H	5.44	39.0	13.1	297	5600	0.1	0	0	0	50	43	0	5	0	2
428-J	5.32	40.0	13.5	356	5700	1.0	0	0	0	33	64	1	4	0	0
432-J	5.01	39.0	12.5	304	6400	0.3	0	0	0	46	46	2	6	0	0
MEAN	5.44	40.0	13.3	308	5525*	0.6									
S.D.	0.42	1.4	0.71	35	450	0.47									

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 13.2

HEMATOLOGY — CYTOLOGY
25 [illegible] — [illegible] 17

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	DIFFC CNT	DIFFERENTIALS (%)							
							NYE	JUV	BAN	SEG	LYM	MON	EOS	BAS
FEMALES														
762-E	5.52	38.0	12.6	367	5900	0.9	0	0	0	34	62	2	2	0
763-E	6.35	42.0	14.5	390	7400	1.1	0	0	0	38	56	2	3	0
288-G (3)	7.03	37.0	12.4	366	6100	2.0	0	0	0	43	48	8	1	0
940-H	5.13	35.0	11.6	408	4900	1.1	0	0	0	10	86	2	2	0
841-H	5.59	35.0	11.3	337	6400	1.0	0	0	0	50	43	3	3	0
273-I	6.87	39.0	13.6	272	10300	0.3	0	0	0	16	69	1	13	0
387-I	7.92	40.0	13.9	436	9400	1.0	0	0	0	23	74	0	3	0
247-I	5.56	16.0	12.1	377	7900	0.8	0	0	1	41	53	0	5	0
MEAN	6.25	37.8**	12.7*	369	7125	1.0								
S.D.	0.96	2.5	1.14	49	1902	0.47								
MALES														
870-I	5.43	39.0	13.3	404	5300	0.5	0	0	1	37	58	0	2	0
946-I	5.72	44.0	14.2	427	5900	0.5	0	0	0	36	56	1	7	0
595-I	6.80	37.0	12.6	302	6500	0.3	0	0	0	48	47	1	4	0
599-I	5.76	42.0	14.3	220	9400	1.4	0	0	0	45	28	1	6	0
MEAN	5.42	40.5	13.4	338	6525*	0.7								
S.D.	0.44	3.1	0.80	96	2176	0.49								

NYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.

4 INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 13.3

HEMATOLOGY - CYTOLOGY
[illegible] - MONTH 12

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GMS)	PLATELET (MM X10)	WBC (MM)	DIFF (%)	DIFFERENTIAL (%)							
							MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	LUNK
FEMALES															
226-1	3.74	32.0	10.2	172	7500	0.1	0	0	3	24	73	0	2	1	0
269-1	6.73	35.0	12.0	357	4600	1.0	0	0	0	8	89	1	1	1	0
287-1	6.55	38.0	12.9	412	5200	0.3	0	0	0	42	54	2	2	0	0
312-1	3.98	27.0	9.7	146	3400	1.0	0	0	0	37	61	2	0	0	0
330-1	5.16	35.0	12.0	540	4800	1.1	0	0	0	39	59	1	1	0	0
MEAN	5.23	33.4*	11.4*	325	5140*	1.1									
S.D.	1.19	4.2	1.35	166	1445	1.35									
MALES															
625-1	5.35	39.0	12.6	313	9100	0.6	0	0	0	65	31	2	1	0	0
600-1	4.98	36.0	12.5	247	7300	0.5	0	0	0	66	31	3	0	0	0
627-1	4.87	38.0	12.7	255	6600	0.4	0	0	1	48	45	1	5	0	0
MEAN	5.05	37.7	12.6	272	7667*	0.7									
S.D.	0.27	1.5	0.10	36	1290	0.21									

* MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
@ INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 14

HEMATOLOGY - CYTOTOXICITY
CONTROL - MONTH 18

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIALS(%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	OTHER
FEMALES															
764-E	5.50	41.0	13.9	402	4100	0.5	0	0	0	39	58	0	3	0	0
200-F	5.81	45.5	15.1	403	6400	0.6	0	0	0	32	58	2	7	1	0
236-F	5.55	42.5	14.5	319	9600	0.8	0	0	0	35	57	2	4	0	0
969-H	6.36	47.0	15.9	290	5300	0.1	0	0	2	43	44	1	10	0	0
578-H	6.19	45.0	15.5	347	7200	0.3	0	0	0	38	46	2	14	0	0
604-I	5.65	40.0	13.0	330	7700	0.4	0	0	0	39	60	1	0	0	0
618-I	5.68	45.5	15.1	364	11200	0.6	0	0	1	37	59	3	0	0	0
MEAN	5.82	43.8	14.7	351	7714	0.5									
S.D.	0.33	2.6	1.00	42	2076	0.18									
MALES															
739-F	5.23	41.0	14.5	194	5800	0.3	0	0	0	53	43	0	2	2	0
221-G	5.44	40.0	13.5	253	14300	0.3	0	0	0	32	63	0	5	0	0
426-G	5.26	42.0	14.0	328	7200	0.5	0	0	0	82	17	0	1	0	0
418-J	5.56	44.0	14.4	261	4300	0.4	0	0	0	29	66	1	4	0	0
MEAN	5.37	41.8	14.4	259	7900	0.3									
S.D.	0.16	1.7	0.37	55	4428	0.05									

0 MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILES, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016635

TABLE 14.1

HEMATOLOGY - CYTOLOGY
5 UG/KG - MONTH 18

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIAL(%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	OTHER
FEMALES															
646-E	5.37	43.5	13.4	364	6200	0.4	0	0	0	30	62	3	4	1	0
701-E	5.29	42.0	13.8	324	5400	0.5	0	0	0	28	69	1	1	1	0
483-F (5)	5.31	43.0	13.8	347	5200	0.2	0	0	1	54	44	1	0	0	0
605-F	6.22	63.0	14.1	316	7300	0.7	0	0	0	15	80	1	3	1	0
839-H	5.84	44.5	14.5	340	6400	0.4	0	0	1	18	74	3	3	1	0
284-I (6)	5.03 @	40.0 @	12.4 @	269	7400	0.5	0	0	0	68	31	0	1	0	0
309-I (7)	5.67 @	43.5 @	14.4 @	303	5400	0.2	0	0	0	19	62	0	17	2	0
624-I	6.52	46.0	15.4	378	10500	0.6	0	0	3	22	71	0	4	0	0
MEAN	5.76	43.7	14.2	330	6475	0.4									
S.D.	0.52	1.4	0.71	35	1929	0.19									
MALES															
516-G	5.77	45.0	15.3	261	4800	0.3	0	0	0	40	57	0	2	1	0
119-H	4.70	40.0	13.6	216	6600	0.3	0	0	0	69	31	0	0	0	0
428-J	4.64	41.0	13.9	220	7700	0.6	0	0	0	48	50	0	2	0	0
432-J	4.59	39.0	13.1	241	5100	0.7	0	0	0	33	59	0	8	0	0
MEAN	4.92	41.3	14.0	235	6050	0.69									
S.D.	0.57	2.6	0.94	21	1353	0.19									

* MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
@ INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016636

TABLE 14.2

HEMATOLOGY
25 WEEK - MONTH 18

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIAL (%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	ATYP
FEMALES															
762-E	5.09	41.0	14.0	298	6900	0.3	0	0	0	29	59	1	11	0	0
769-E	5.35	42.0	14.9	295	6700	0.1	0	0	0	23	69	0	8	0	0
201-G [a]	5.14	41.0	13.6	218	6200	0.4	0	0	1	64	29	1	5	1	0
540-H	4.97	37.0	12.8	307	5800	0.7	0	0	0	38	58	0	4	0	0
841-H	4.72	37.5	12.8	393	9150	0.6	0	0	1	42	50	1	6	0	0
307-I	5.48	40.0	13.9	361	8500	0.9	0	0	0	26	69	0	5	0	0
757-I	4.61	36.0	12.2	514	5900	0.9	0	0	0	52	47	0	1	0	0
278-J	4.77	41.0	14.2	282	8700	0.5	0	0	0	20	70	0	9	1	0
MEAN	4.99**	39.4**	13.5*	320	7225	0.5									
S.D.	0.35	2.3	0.89	94	1338	0.28									
MALES															
029-I	5.30	40.0	13.7	304	5300	0.6	0	0	0	51	49	0	0	0	0
066-I	5.76	48.0	16.0	308	7600	1.0	0	0	0	18	58	1	10	1	0
595-I	4.93	39.0	13.4	249	3900	0.5	0	0	0	44	52	0	4	0	0
599-I	5.29	44.0	15.1	231	6600	0.4	0	0	0	48	48	0	4	0	0
MEAN	5.29	42.0	14.5	273	5350	0.6									
S.D.	0.30	4.1	1.22	39	1185	0.36									

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 14.3

HEMATOLOGY - CYTOLOGY
[illegible] - MONTH 18

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIAL (%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	ATYPICAL
FEMALES															
226-F	3.89	32.5	10.5	161	6000	0.2	0	0	0	28	67	0	5	0	0
269-1	4.54	35.5	12.3	291	5000	0.2	0	0	0	36	62	0	2	0	0
287-1	4.76	38.0	12.4	443	5800	0.4	0	0	0	43	54	1	0	2	1
312-1	4.98	36.5	12.1	448	6800	0.7	0	0	0	49	46	4	1	0	0
MEAN	4.54a	35.6a	11.8a	336	5900	0.4									
S.D.	0.47	2.3	0.89	137	739	0.24									
MALES															
429-1	5.15	42.0	14.1	316	10400	0.7	0	0	0	72	25	1	2	0	0
600-1	5.14	41.5	14.3	301	6600	0.3	0	0	0	48	50	2	0	0	0
427-J	4.45	40.0	12.9	152	6300	0.2	0	0	0	52	43	0	4	1	0
MEAN	4.91	41.2	13.8	256	7767	0.4									
S.D.	0.40	1.0	0.76	91	2285	0.26									

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

HEMATOLOGY - CYTOLOGY
CONTROL - MONTH 19

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIALS (%)							
							MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	ATYPICAL
FEMALES															
764-F	5.60	41.0	13.7	508	6400	0.7	0	0	0	42	53	2	3	0	0
208-I	5.61	41.0	14.0	505	9300	0.6	0	0	0	57	35	3	5	1	0
274-F	6.01	46.0	14.0	431	6800	0.3	0	0	0	52	46	1	1	0	0
569-H	5.90	42.5	14.6	388	6200	0.9	0	0	0	55	37	2	6	0	0
570-H	5.95	42.0	14.3	330	4000	0.5	0	0	0	40	51	0	7	0	0
604-I	5.71	42.0	13.1	256	7300	0.7	0	0	0	41	51	0	6	0	2
418-I	5.01	40.0	14.9	490	4200	0.5	0	0	0	33	58	1	7	0	0
MEAN	5.80	42.0	14.2	414	6763	0.7									
S.D.	0.16	2.7	0.65	90	1239	0.19									
MALES															
739-F	5.49	41.0	13.8	170	5300	0.5	0	0	0	34	58	3	3	2	0
227-G	5.32	41.0	14.3	220	10900	0.5	0	0	2	40	52	1	5	0	0
426-G	5.60	42.0	13.5	208	4600	0.1	0	0	0	68	28	3	4	0	3
418-J	5.90	43.0	14.8	236	5700	0.1	0	0	0	29	65	1	5	0	0
MEAN	5.58	41.8	14.1	209	6375	0.5									
S.D.	0.24	1.0	0.57	28	1012	0.12									

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
# INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 15.1

HEMATOLOGY - CYTOCHEMY
5 WEEKS - MONTH IV

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIAL(%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	LUNG
FEMALES															
646-E	6.35	49.5	14.4	403	4400	0.2	0	0	0	73	65	0	12	0	0
701-E	5.34	39.5	13.1	332	5200	0.5	0	0	0	50	44	1	3	2	0
403-F (A)	5.03 a	39.0 a	12.6 a	347	13430	1.4	0	0	2	57	32	4	9	0	0
605-F	5.04	39.5	13.4	342	6100	0.6	0	0	0	41	56	1	2	0	0
839-H	5.60	41.0	13.7	313	3400	0.3	0	0	0	18	74	0	8	0	0
284-I (T)	5.74 a	42.0 a	14.0 a	405	12400	0.2	0	0	0	73	23	1	3	0	0
109-I	5.35	43.0	14.6	282	6000	0.2	0	0	0	46	45	0	4	0	0
624-I	6.41	46.0	15.4	329	9600	0.2	0	0	0	45	53	0	2	0	0
MEAN	5.81	42.4	14.1	344	7761	0.5									
S.D.	0.48	2.9	0.86	42	3606	0.53									
MALES															
916-G	6.45	49.5	14.9	245	6100	0.3	0	0	0	69	29	1	1	0	0
339-H	5.41	48.0	13.6	266	4400	0.2	0	0	0	42	44	1	3	0	0
428-J	5.37	41.0	13.6	256	7000	0.5	0	0	0	64	34	1	1	0	0
432-J	5.37	41.0	13.2	247	6300	0.2	0	0	1	37	57	0	5	0	0
MEAN	5.65	41.9	13.8	2549	5950	0.3									
S.D.	0.53	2.5	0.74	10	1103	0.10									

$ MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016640

TABLE 35.2

HEMATOLOGY - LYSINURGY
25 MG/KG - MONTH 19

ANIMAL NUMBER	RBC (MM X10)	CCLL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	MCHC (%)	DIFFERENTIAL(%)							
							MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	OTHER
FEMALES															
762-E	5.69	42.0	13.8	228	4900	1.2	0	0	0	52	54	2	2	0	0
763-F	5.37	40.0	13.4	203	6000	0.6	0	0	0	22	74	0	4	0	0
241-G (S)	5.92	42.5	13.5	300	5800	2.6	0	0	1	66	17	0	1	0	0
569-H	6.16	37.0	12.6	220	4200	0.7	0	0	0	24	70	0	6	0	0
273-I	5.81	42.0	14.1	304	4600	0.5	0	0	0	14	77	3	4	1	1
907-I	5.49	41.0	14.1	273	4500	1.0	0	0	0	34	63	2	2	0	0
757-I	4.81	37.0	12.2	295	4700	1.0	0	0	0	69	28	0	3	0	0
MEAN	5.769	40.2	13.44	27304	4957	1.1									
S.D.	0.58	2.3	0.73	60	1540	0.71									
MALES															
20-I	5.71	40.0	13.1	295	5900	0.4	0	0	0	50	49	1	0	0	0
46-I	6.07	45.0	14.8	271	6700	0.7	0	0	0	53	55	0	12	0	0
515-I	5.68	41.0	13.0	220	3400	0.2	0	0	1	44	48	0	5	0	2
599-I	5.96	46.0	14.9	192	5900	0.2	0	0	3	46	44	5	2	0	0
MEAN	5.80	43.0	13.9	245	5225	0.4									
S.D.	0.26	2.9	1.04	47	1922	0.24									

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016641

TABLE 35.3

HEMATOLOGY - CYTOLOGY
100 UG/KG - MONTH 12

ANIMAL NUMBER	RBC (MM EXP 6)	CELL VOL (%)	HGB (GM%)	PLATELET (MM EXP 3)	WBC (MM 3)	RETIC (%)	DIFFERENTIALS (%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	ATYP
FEMALES															
226-1	3.23	27.5	9.2	92	3400	1.6	0	0	1	15	79	0	4	0	2
269-1	4.87	36.0	12.3	180	5500	0.5	0	0	0	25	67	1	8	0	0
287-1	4.84	37.0	12.2	275	7800	0.3	0	0	0	43	53	1	3	0	0
312-1	5.25	33.0	12.5	248	5100	1.2	0	0	0	62	35	0	2	1	0
MEAN	4.55**	34.4**	11.5**	201**	4600	0.7									
S.D.	0.90	4.6	1.53	81	1798	0.61									
MALES															
425-1	5.75	43.0	14.7	307	12500	0.3	0	0	0	80	19	0	1	0	0
600-1	4.91	36.0	12.6	521	6100	0.5	0	0	0	47	51	0	2	0	0
627-1	5.09	43.0	14.2	229	7400	0.7	0	0	0	61	35	1	3	0	0
MEAN	5.28	40.7	13.8	352	8667	0.5									
S.D.	0.41	4.0	1.10	151	3383	0.21									

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 16

HEMATOLOGY - CYTOLOGY
CONTROL - WITH 20

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIAL PERCENT MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	ATYPICAL
FEMALES															
266-E	5.88	42.0	14.0	339	12700	1.5	0	0	0	63	34	2	1	0	0
290-F	6.38	41.5	14.2	458	8500	2.4	0	0	1	35	56	2	2	1	0
274-F	5.96	43.0	14.4	330	9300	1.4	0	0	1	64	31	2	0	0	0
569-H	6.85	47.0	16.2	334	7100	3.4	0	0	0	43	49	2	6	0	0
578-H	5.99	42.5	13.8	316	9200	0.7	0	0	0	71	23	2	4	0	0
604-I	5.48	40.5	12.8	238	13000	3.7	0	0	0	61	31	2	4	2	0
618-I	6.27	46.0	15.0	342	10700	1.9	0	0	1	31	61	3	2	0	0
MEAN	6.12	43.9	14.6	337	10094	1.5									
S.D.	0.43	2.6	1.24	65	2204	0.90									
MALES															
739-F	5.89	42.0	14.2	211	5800	3.2	0	0	0	37	55	1	4	1	0
722-G	5.08	40.0	13.4	179	13100	1.5	0	0	1	30	62	3	4	0	0
426-G	5.41	43.0	14.0	249	4300	0.9	0	0	0	73	20	3	4	0	0
619-J	5.72	43.0	13.7	311	6700	0.3	0	0	0	28	58	2	11	1	0
MEAN	5.52	42.0	13.8	238	7475	1.5									
S.D.	0.35	1.4	0.39	57	3870	0.90									

0 MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
2 INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016643

TABLE 16.1

HEMATOLOGY - CYTOLOGY
5 DAYS - WEEK 20

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	DIFFERENTIALS (%)							
							NYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	OTHER
FEMALES															
646-F	6.42	45.0	14.3	251	8700		0	0	3	67	27	2	1	0	0
701-F	5.75	42.0	13.9	326	6100		0	0	2	38	60	0	0	0	0
403-F (2)	5.97 a	43.0 a	14.1 a	328	8400		0	0	1	37	46	5	11	0	0
605-F	6.52	44.5	14.2	262	7600		0	0	0	62	34	2	2	0	0
819-H	5.01	43.0	14.4	244	5600		0	0	2	32	62	1	3	0	0
284-I	5.67	41.0	13.0	379	8200		0	0	0	62	34	2	2	0	0
309-I	5.60	41.0	13.9	271	9300		0	0	0	17	70	4	8	0	1
624-I	7.15	48.0	15.9	264	10700		0	0	1	24	69	2	2	0	1
MEAN	6.11	43.5	14.2	291	7975										
S.D.	0.60	2.5	0.87	48	1594										
MALES															
516-G	6.41	46.0	15.8	230	5100		0	0	0	60	39	1	0	0	0
119-H	5.44	42.0	13.2	179	5100		0	0	1	39	55	1	4	0	0
428-J	5.61	44.0	14.2	455	7300		0	0	0	45	50	3	2	0	0
432-J	5.55	42.0	13.1	358	6100		0	0	1	29	63	2	5	0	0
MEAN	5.75	43.5	14.1	306	5900										
S.D.	0.44	1.9	1.25	125	1056										

NYE = NYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.

B INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016644

TABLE 16.2

HEMATOLOGY - CYTOLOGY
25 UG/KG MONTH 24

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	DIFF.	DIFFERENTIAL (%)							
							MYL	JUV	BAN	SEG	LYM	MON	EOS	BAS	OTHER
FEMALES															
762-F	5.58	41.0	13.4	344	7500	2.2	0	0	0	54	41	0	4	1	0
763-F	5.82	42.0	14.1	229	5893	1.9	0	0	0	71	25	1	3	0	0
281-G (6)	5.89 a	46.5 a	14.1 a	395	8000	1.7	0	0	0	60	34	1	5	0	0
540-H	5.88	40.5	13.6	379	6200	1.4	0	0	2	29	65	2	5	1	2
273-I	6.02	42.5	14.3	299	9400	3.0	0	0	0	23	72	0	4	1	0
307-I	6.07	44.0	14.9	427	10800	2.1	0	0	0	36	61	1	2	0	0
757-I	5.57	41.0	13.2	389	9800	1.8	0	0	0	22	15	1	1	0	0
MEAN	5.79	41.8	13.9	339	8188	2.20									
S.D.	0.27	1.3	0.84	87	1824	0.87									
MALES															
20-I	5.74	42.0	13.4	478	4601	0.7	0	0	1	45	51	0	3	0	0
96-I	5.94	45.0	14.3	317	7500	1.4	0	0	1	50	43	1	5	0	0
595-I	5.34	40.0	13.8	232	4700	0.8	0	0	1	44	51	1	2	0	0
599-I	5.98	47.0	15.3	375	7200	1.2	0	0	1	34	53	1	7	0	0
MEAN	5.73	43.5	14.2	351	6500	1.0									
S.D.	0.28	3.1	0.82	103	1252	0.37									

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 16.3

HEMATOLOGY - CYTOLOGY
100 UG/KG MONTH 20

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGO (GMS)	PLATELET (MM X10)	WBC (MM)	PSTIC (%)	DIFFERENTIAL(%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	LTHER
FEMALES															
226-F	3.44	29.0	9.2	24	3400	1.5	0	0	0	12	85	0	4	0	0
269-I	5.38	40.5	13.0	340	7600	[illegible]	0	0	0	31	63	3	3	0	0
287-I	5.35	41.0	13.2	299	6800	[illegible]	0	0	0	41	54	4	1	0	0
312-I	5.53	39.5	12.9	300	7400	1.8	0	0	2	60	35	2	1	0	0
MEAN	4.92*	37.5*	12.1*	241	6300*	[illegible]									
S.D.	0.99	5.7	1.92	146	1963	[illegible]									
MALES															
425-I	5.87	43.0	14.0	291	9800	1.1	0	0	0	59	39	1	1	0	0
600-I	5.04	40.5	12.9	462	6300	[illegible]	0	0	0	41	51	1	7	0	0
627-J	5.25	41.0	13.0	856	8200	[illegible]	0	0	0	36	57	3	4	0	0
MEAN	5.37	41.5	13.6	536	8100	[illegible]									
S.D.	0.43	1.3	0.59	290	1252	[illegible]									

* MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 17

HEMATOLOGY - CYTOLOGY
[illegible]

ANIMAL NUMBER	RBC (MM³ X10⁻⁶)	CELL VOL (%)	HGB (GM%)	PLATELET (MM³ X10⁻³)	WBC (MM³)	DIFF (%)	DIFFERENTIALS (#) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	CLUMPS
FEMALES															
764-E	5.72	42.5	14.2	343	7200	[illegible]	0	0	0	39	59	1	1	0	0
203-F	6.00	48.5	15.9	546	7900	[illegible]	0	0	0	56	37	4	2	1	0
274-F	5.43	42.5	14.8	335	8200	[illegible]	0	0	0	56	39	2	3	0	0
569-H	6.00	45.5	15.2	233	5900	[illegible]	0	0	1	36	58	3	0	0	0
578-H	5.64	41.5	13.4	236	8100	[illegible]	0	0	0	53	38	4	1	0	0
604-I	6.75	38.0	13.5	303	7600	[illegible]	0	0	0	35	60	2	4	0	0
618-I	6.00	44.0	15.0	357	11200	[illegible]	0	0	1	33	54	3	7	1	1
MEAN	5.87	43.2	14.2	337	8014	[illegible]									
S.D.	0.47	3.3	1.44	105	1604	[illegible]									
MALES															
779-F	5.46	44.5	14.6	256	5600	[illegible]	0	0	0	39	56	4	1	2	0
227-G	5.80	44.0	14.5	218	11600	[illegible]	0	0	1	31	66	0	2	0	0
426-G	5.29	43.0	13.8	215	3900	[illegible]	0	0	0	50	40	2	7	0	1
418-J	5.89	46.5	15.7	223	7000	[illegible]	0	0	1	37	56	3	1	0	0
MEAN	5.61	44.5	14.6	228	7021	[illegible]									
S.D.	0.28	1.5	0.79	19	3335	[illegible]									

MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016647

TABLE 17.1

HEMATOLOGY - CYTOLOGY
5 UG/KG - MONTH 21

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIAL (%) MYE	JUV	BAND	SEG	LYM	MON	EOS	BAS	LIMP
FEMALES															
646-E	6.30	46.0	14.5	368	8100	[illegible]	0	0	1	32	56	3	7	0	1
701-F	5.50	41.0	13.6	503	6800	[illegible]	0	0	1	39	49	8	2	1	0
483-F	5.09	40.5	12.5	176	5700	[illegible]	0	0	1	22	67	6	4	0	0
605-F	6.12	42.5	14.0	241	6500	[illegible]	0	0	1	17	58	5	4	0	0
839-H	5.63	43.5	14.5	348	6100	1.7	0	0	0	31	50	6	13	0	0
284-I	5.35	40.0	12.8	675	7700	1.7	0	0	0	47	46	4	4	0	0
309-I	5.14	40.5	13.5	194	5900	1.2	0	0	1	16	57*	7	17	0	2*
624-I	6.58	47.0	15.4	181	8100	[illegible]	0	0	3	30	64	1	1	1	0
MEAN	5.71	42.6	13.8	311	6861	[illegible]									
S.D.	0.56	2.7	0.95	132	983	[illegible]									
MALES															
516-G	6.41	49.0	16.4	261	5600	1.1	0	0	0	47	51	1	1	0	0
119-H	5.20	42.0	13.4	200	4600	[illegible]	0	0	4	33	56	2	2	1	2
428-J	5.61	45.0	14.6	322	5900	[illegible]	0	0	0	43	56	0	1	0	0
432-J	5.87	45.5	14.4	270	7000	0.7	0	0	1	26	65	3	5	0	0
MEAN	5.77	45.4	14.7	263	5775	0.7									
S.D.	0.51	2.9	1.25	50	988	0.33									

* MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016648

TABLE 17.2

HEMATOLOGY - ETIOLOGY
25 DEC/AG - [illegible] 21

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	DIFFIC (%)	DIFFERENTIALS (%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	OTHER
FEMALES															
762-F	5.72	43.0	13.0	223	5600	[illegible]	0	0	1	41	48	5	3	0	0
763-F	5.68	42.0	13.9	233	6300	[illegible]	0	0	0	24	70	4	2	0	0
281-G (3)	5.21 @	39.5 @	12.5 @	201	6900	[illegible]	0	0	1	48	44	2	5	0	0
540-H	5.63	41.0	13.1	277	5300	[illegible]	0	0	0	35	58	4	3	0	0
273-I	5.60	43.0	13.7	266	8430	[illegible]	0	0	0	35	47	2	17	0	0
107-I	5.89	42.5	14.5	476	9800	[illegible]	0	0	0	27	68	2	3	0	0
257-I	5.35	40.0	13.4	299	7000	[illegible]	0	0	0	42	53	0	5	0	0
MEAN	5.64	41.9	13.6	282	7329	[illegible]									
S.D.	0.18	1.2	0.56	92	1751	[illegible]									
MALES															
20-I	5.36	43.5	13.6	230	6700	[illegible]	0	0	0	40	56	1	3	0	0
46-I	6.07	46.5	15.3	362	7300	[illegible]	0	0	0	39	42	1	12	0	0
595-I	5.66	44.0	14.8	292	3600	[illegible]	0	0	1	26	64	2	7	0	1
549-I	6.03	47.5	16.0	195	6700	[illegible]	0	0	1	39	49	5	5	0	1
MEAN	5.77	45.5	14.9	270	5525	[illegible]									
S.D.	0.36	1.9	1.01	73	1801	[illegible]									

@ MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
@ INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016649

TABLE 37.3

HEMATOLOGY - CYTOLOGY
100 UG/KG - MONTH 23

ANIMAL NUMBER	RBC (MM X10)	CELL VOL (%)	HGB (GM%)	PLATELET (MM X10)	WBC (MM)	RETIC (%)	DIFFERENTIAL(%) MYE	JUV	BAN	SEG	LYM	MON	EOS	BAS	OTHER
FEMALES															
269-1	5.09	37.5	12.6	334	5600	0.9	0	0	0	35	63	2	1	0	0
281-1	4.77	37.0	11.7	321	6800	1.1	0	0	0	29	60	4	7	0	0
312-1	5.04	38.0	12.5	375	5900	0.8	0	0	1	47	50	1	1	0	0
MEAN	4.97a	37.5a	12.3	343	6100	0.9									
S.D.	0.17	0.5	0.49	28	674	0.15									
MALES															
625-1	5.25	43.5	14.4	327	7900	0.6	0	0	1	53	43	1	0	0	2
600-1	5.41	41.5	14.2	385	6700	0.5	0	0	1	35	60	2	1	0	1a
627-1	5.09	40.5	13.5	214	6800	0.7	1	0	1	16	69	2	9	1	1
MEAN	5.42	41.8	14.6	309	7133	0.6									
S.D.	0.33	1.5	0.47	87	666	0.10									

0 MYE = MYELOCYTES, JUV = JUVENILES, BAN = BANDS, SEG = SEGMENTED NEUTROPHILS, LYM = LYMPHOCYTES, MON = MONOCYTES, EOS = EOSINOPHILS, BAS = BASOPHILS.
a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

Note: Blood not drawn on 226-F.

TABLE IN

BIOCHEMISTRY

CONTROL - PRETEST

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (PU/ML)	SGPT (PU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
765-E	15.0	1.0	177.0	0.5	27.0	42.0	7.5	4.1	10.2	5.0	1.2	3.5
087-F	21.0	1.4	144.0	0.4	38.0	30.0	6.7	3.7	9.4	3.1	1.2	3.0
209-F	29.0	1.1	177.0	0.1	35.0	26.0	7.9	3.8	10.9	4.1	0.9	4.1
274-F	9.0	1.0	176.0	1.1	43.0	45.0	7.7	4.5	10.6	5.0	1.4	3.2
569-H	17.0	1.0	150.0	0.2	45.0	39.0	7.6	4.0	10.7	3.4	1.1	3.6
578-H	13.0	1.1	155.0	0.1	31.0	29.0	7.2	4.2	10.5	5.4	1.4	3.0
604-I	15.0	1.0	165.0	0.2	45.0	21.0	6.8	3.8	10.2	3.6	1.1	3.8
618-I	18.0	1.0	175.0	1.1	51.0	111.0	7.2	3.7	9.7	5.1	1.1	3.5
MEAN	17.1	1.1	164.9	0.5	39.4	42.9	7.3	4.0	10.3	4.4	1.2	3.3
S.D.	6.0	0.14	13.5	0.44	8.1	28.7	0.43	0.28	0.51	0.86	0.17	0.39
MALES												
739-F	18.0	1.2	112.0	0.1	33.0	29.0	7.2	4.0	9.8	4.3	1.3	3.2
227-G	21.0	1.0	172.0	0.3	32.0	50.0	6.4	3.7	9.8	5.0	1.4	2.7
424-G	24.0	1.5	109.0	0.1	35.0	42.0	6.8	3.8	9.8	3.8	1.4	3.0
418-J	18.0	1.9	156.0	1.6	29.0	42.0	7.9	4.8	12.2	7.0	1.6	3.1
MEAN	20.3	1.4	137.3	0.6	32.2	40.8	7.1	4.1	10.4	5.0	1.4	3.0
S.D.	2.9	0.39	31.6	0.65	2.5	8.7	0.64	0.50	1.20	1.41	0.14	0.22

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016651

TABLE 18.1

BIOCHEMISTRY

CONTROL - PLACEBO

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (UNITS/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
764-E	0.2	189.0	331.0	104.0	12.0	[illegible]	4.7	149.0	110.0	22.0	62.0
087-F	0.1	105.0	850.0	155.0	162.0	[illegible]	4.0	153.0	105.0	26.0	66.0
200-F	0.2	146.0	1285.0	136.0	90.0	[illegible]	4.5	152.0	114.0	15.0	92.0
274-F	0.1	109.0	735.0	132.0	86.0	[illegible]	5.4	151.0	109.0	16.0	79.0
569-H	0.2	95.0	1190.0	102.0	89.0	[illegible]	6.6	154.0	111.0	13.0	55.0
578-H	0.2	156.0	685.0	100.0	9.0	[illegible]	4.5	157.0	111.0	23.0	61.0
604-I	0.2	142.0	750.0	102.0	86.0	[illegible]	4.6	147.0	109.0	28.0	60.0
618-I	0.3	133.0	452.0	147.0	41.0	[illegible]	5.0	146.0	111.0	15.0	57.0
MEAN	0.2	144.4	782.3	134.8	54.4	[illegible]	4.9	150.1	110.0	19.4	56.5
S.D.	0.06	34.3	331.1	20.0	51.6	[illegible]	0.79	3.0	2.6	6.0	12.4
MALES											
139-E	0.1	116.0	180.0	104.0	38.0	[illegible]	4.6	141.0	105.0	25.0	85.0
221-G	0.1	84.0	639.0	91.0	67.0	[illegible]	4.5	150.0	109.0	24.0	78.0
426-G	0.1	104.0	660.0	138.0	67.0	[illegible]	5.1	154.0	109.0	25.0	68.0
418-J	0.2	371.0	292.0	199.0	90.0	[illegible]	6.0	159.0	109.0	7.0	149.0
MEAN	0.1	168.8	542.8	133.0	64.3	[illegible]	5.0	151.5	108.0	20.3	95.0
S.D.	0.05	135.5	218.8	48.3	21.3	[illegible]	0.69	5.2	2.0	8.8	36.7

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016652

TABLE 18.2

BIOCHEMISTRY

5 UG/KG - PRETEST

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	UPTK ALED (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLUC (MG/DL)
FEMALES												
646-F	15.0	0.8	164.0	0.5	31.0	39.0	7.6	3.8	9.8	5.1	1.0	3.4
701-E	19.0	1.1	165.0	0.9	47.0	76.0	7.1	4.6	10.2	4.3	1.6	2.7
483-I	16.0	1.0	183.0	0.9	40.0	39.0	7.6	4.6	10.6	3.2	1.5	3.7
609-F	18.0	0.9	159.0	0.2	31.0	16.0	7.4	4.1	10.5	3.7	1.2	3.7
839-H	15.0	0.7	150.0	0.2	33.0	42.0	7.1	3.9	9.6	4.1	1.2	3.2
284-J	21.0	1.3	171.0	0.3	31.0	72.0	7.4	4.1	11.2	4.4	1.2	3.5
309-I	17.0	1.0	177.0	0.1	28.0	86.0	8.0	4.3	11.0	5.2	1.2	3.7
624-I	18.0	0.9	173.0	1.0	45.0	48.0	7.4	4.2	10.9	5.7	1.2	3.5
MEAN	16.6	1.0	167.8	0.5	35.7	59.8	7.5	4.1	10.5	4.5	1.2	3.1
S.D.	3.3	0.18	10.5	0.37	7.2	24.0	0.30	0.22	0.53	0.83	0.13	0.34
MALES												
516-G	19.0	1.4	153.0	0.4	31.0	43.0	7.1	4.0	10.7	5.2	1.2	3.1
319-H	18.0	0.9	121.0	0.3	43.0	42.0	6.8	3.7	9.7	5.0	1.2	3.1
428-J	18.0	1.2	124.0	0.7	27.0	20.0	7.5	4.3	10.3	5.4	1.3	3.2
432-J	19.0	1.4	131.0	0.9	41.0	48.0	7.4	4.1	10.2	4.3	1.2	3.5
MEAN	18.5	1.2	131.0	0.6	35.5	35.8	7.1	4.1	10.2	5.0	1.2	3.1
S.D.	0.6	0.24	11.5	0.28	7.7	10.7	0.42	0.29	0.41	0.48	0.05	0.17

d INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016653

TABLE 18.3

RECONSISTENCY

5 UG/KG - [illegible]

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT PROTN (MG/DL)	TRIGLYC (MG/DL)	CPK (UNITS/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CHOL (MG/DL)	GLUC FAST (MG/DL)
FEMALES											
644-F	0.3	85.0	497.0	104.0	157.0	[illegible]	4.6	156.0	111.0	22.0	45.0
748-F	0.1	158.0	950.0	137.0	28.0	[illegible]	4.1	149.0	105.0	22.0	60.0
483-F	0.3	124.0	930.0	194.0	10.0	[illegible]	5.3	146.0	107.0	14.0	48.0
605-F	0.2	123.0	760.0	141.0	28.0	[illegible]	4.9	148.0	113.0	14.0	51.0
839-H	0.1	124.0	645.0	143.0	76.0	[illegible]	4.2	155.0	108.0	24.0	44.0
284-I	0.2	156.0	276.0	161.0	32.0	[illegible]	5.1	158.0	109.0	22.0	62.0
309-I	0.2	159.0	420.0	135.0	22.0	[illegible]	4.9	151.0	104.0	25.0	53.0
624-I	0.3	147.0	920.0	132.0	23.0	[illegible]	5.8	150.0	108.0	24.0	50.0
MEAN	0.2	134.0	676.8	143.4	47.0	[illegible]	4.9	149.1	106.1	20.9	51.4
S.D.	0.08	25.0	257.7	25.8	48.5	[illegible]	0.56	4.3	3.0	4.4	11.1
MALES											
516-G	0.2	107.0	500.0	124.0	49.0	[illegible]	4.6	151.0	106.0	21.0	61.0
189-H	0.3	139.0	760.0	200.0	70.0	[illegible]	4.8	146.0	109.0	16.0	67.0
428-J	0.2	232.0	623.0	170.0	21.0	[illegible]	5.1	150.0	105.0	20.0	72.0
432-J	0.2	270.0	397.0	208.0	14.0	[illegible]	4.7	151.0	109.0	18.0	96.0
MEAN	0.2*	187.0	520.0	175.5	38.5	[illegible]	4.8	149.5	107.3	19.3	74.0
S.D.	0.05	76.6	165.9	38.0	25.9	[illegible]	0.22	2.6	2.1	1.5	15.9

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016654

TABLE IB.4

BIOCHEMISTRY

25 MG/KG [illegible]

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	GLUCOSE (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	SODIUM (MEQ/LITER)
FEMALES												
762-E	17.0	0.8	181.0	0.4	53.0	37.0	7.2	3.7	10.4	4.8	1.1	3.5
763-E	16.0	1.1	226.0	0.2	51.0	105.0	7.3	4.1	10.2	6.4	1.4	3.0
781-G	16.0	0.9	159.0	0.5	40.0	40.0	7.5	3.9	10.2	4.4	1.1	3.4
963-H	18.0	1.2	151.0	0.9	37.0	46.0	7.4	4.2	9.7	4.0	1.1	3.2
861-H	14.0	0.9	153.0	0.2	35.0	27.0	7.1	3.9	10.4	4.3	1.2	3.1
273-I	14.0	1.0	170.0	0.2	46.0	28.0	7.4	4.1	10.6	3.9	1.2	3.3
307-I	20.0	0.9	136.0	0.3	44.0	27.0	6.8	3.5	9.9	5.2	1.1	3.3
757-I	19.0	1.0	164.0	1.1	35.0	19.0	7.0	4.1	10.8	3.8	1.2	3.5
MEAN	16.8	1.0	167.5	0.5	42.6	43.0	7.3	4.0	10.1	4.7	1.1	3.3
S.D.	2.2	0.13	27.2	0.35	7.0	27.7	0.29	0.30	0.37	0.96	0.11	0.19
MALES												
820-I	19.0	1.4	142.0	0.6	36.0	34.0	7.2	3.7	9.8	7.7	1.2	3.1
046-I	18.0	1.1	135.0	0.3	39.0	24.0	6.7	3.6	9.4	6.5	1.2	3.1
599-I	15.0	1.4	137.0	0.6	28.0	13.0	7.0	3.9	10.2	3.0	1.0	3.9
599-I	22.0	1.0	126.0	0.5	29.0	17.0	7.4	4.0	10.5	2.9	1.2	3.5
MEAN	18.5	1.4	135.0	0.4	33.0	32.5	7.1	3.8	10.0	3.1	1.19	3.4
S.D.	2.9	0.29	6.7	0.17	5.6	5.0	0.46	0.17	0.48	0.78	0.10	0.35

# INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016655

TABLE 18.5

BIOCHEMISTRY

25 UG/KG PRETEST

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRG (MU/ML)	TOT PROT (MG/DL)	TRIGLYC (MG/DL)	CPK (U/L)	SERUM PHOS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
762-E	0.2	133.0	1055.0	158.0	48.0	2[illegible]	4.3	149.0	104.0	25.0	37.0
763-E	0.1	138.0	1430.0	202.0	46.0	[illegible]	5.1	151.0	106.0	16.0	35.0
781-E	0.2	81.0	650.0	160.0	28.0	23[illegible]	4.3	147.0	107.0	23.0	53.0
560-H	0.2	124.0	730.0	154.0	45.0	[illegible]	4.6	148.0	107.0	22.0	58.0
861-H	0.2	167.0	478.0	157.0	88.0	[illegible]	5.2	146.0	109.0	20.0	42.0
273-I	0.2	194.0	950.0	150.0	45.0	2[illegible]	4.7	146.0	109.0	22.0	32.0
307-I	0.1	81.0	1280.0	153.0	110.0	[illegible]	5.6	150.0	113.0	11.0	49.0
757-I	0.1	125.0	615.0	166.0	38.0	[illegible]	5.7	151.0	109.0	27.0	44.0
MEAN	0.2	130.4	898.5	162.5	56.0	21.1	4.9	149.0	108.9	20.5	51.9
S.D.	0.05	38.5	338.6	16.7	27.9	[illegible]	0.57	2.8	1.9	3.5	14.6
MALES											
020-I	0.2	101.0	560.0	81.0	46.0	[illegible]	4.8	145.0	105.0	20.0	92.0
046-I	0.2	86.0	860.0	134.0	93.0	[illegible]	4.9	144.0	105.0	23.0	76.0
595-I	0.1	132.0	385.0	172.0	49.0	[illegible]	5.0	146.0	108.0	17.0	70.0
599-I	0.2	104.0	358.0	266.0	106.0	57.0	5.1	153.0	110.0	21.0	64.0
MEAN	0.2	105.8	535.8	163.3	73.5	47.1	4.9	147.0	107.0	20.3	75.0
S.D.	0.05	19.2	230.6	78.0	30.5	27.9	0.13	4.1	2.4	2.5	12.1

d INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 18.6

RED CHEMISTRY

100 MG/KG - PRETEST

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	UPIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	GLO (MG/DL)	PHOS (MG/DL)	A/G RATIO	GGTP (UM/ML)
FEMALES												
152-F	15.0	1.0	187.0	0.5	47.0	170.0	7.2	3.0	10.4	4.5	1.1	3.9
224-F	18.0	1.1	173.0	0.9	38.0	44.0	7.0	4.1	9.4	4.1	1.1	3.7
486-H	17.0	1.2	159.0	0.1	37.0	32.0	7.6	4.1	10.6	3.8	1.2	3.5
269-J	9.0	0.7	166.0	0.2	43.0	42.0	7.3	3.5	13.9	4.2	1.2	3.5
287-J	18.0	1.2	136.0	1.1	44.0	205.0	7.0	4.0	10.1	2.6	1.3	3.0
312-J	18.0	1.1	206.0	0.9	28.0	18.0	7.1	4.1	10.4	4.7	1.5	2.8
338-J	13.0	1.3	138.0	1.0	37.0	25.0	6.4	4.1	10.5	3.2	1.0	4.1
770-J	15.0	0.9	198.0	1.0	33.0	24.0	7.4	3.6	9.6	3.3	1.0	3.7
MEAN	15.4	1.1	162.9	0.7	40.9	71.1	7.5	4.0	10.2	3.8	1.2	3.3
S.D.	3.2	0.19	25.4	0.39	11.0	73.0	0.46	0.22	0.55	0.77	0.17	0.47
MALES												
206-E	30.0	1.7	145.0	0.3	38.0	35.0	6.7	3.2	10.7	3.7	1.2	3.8
600-I	18.0	1.4	146.0	0.9	33.0	16.0	7.7	4.1	10.6	3.3	1.3	3.5
625-J	22.0	1.2	158.0	0.6	31.0	25.0	7.5	4.0	9.8	4.3	1.1	3.5
677-J	17.0	1.2	108.0	1.4	32.0	31.0	7.1	4.0	11.2	3.3	1.0	4.1
MEAN	21.8	1.4	144.3	0.8	33.5	26.8	7.5	4.0	10.6	4.4	1.19	3.5
S.D.	5.9	0.24	25.4	0.47	3.1	8.3	0.59	0.24	0.58	1.81	0.11	0.55

@ INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 18.7

BIOCHEMISTRY

100 MG/KG - PHASE I

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT PROT (MG/DL)	TRIGLYC (MG/DL)	CPK (UNITS/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
152-F	0.3	141.0	660.0	131.0	18.0	[illegible]	5.1	149.0	110.0	19.0	68.0
226-F	0.2	179.0	670.0	105.0	12.0	[illegible]	5.2	147.0	108.0	22.0	56.0
486-H	0.3	172.0	488.0	132.0	60.0	[illegible]	5.3	154.0	112.0	20.0	61.0
269-I	0.1	140.0	880.0	162.0	66.0	[illegible]	5.0	147.0	109.0	22.0	61.0
287-I	0.1	176.0	319.0	151.0	50.0	[illegible]	4.4	146.0	109.0	19.0	81.0
312-I	0.1	169.0	1270.0	165.0	10.0	[illegible]	4.4	146.0	104.0	21.0	78.0
338-I	0.2	138.0	1000.0	186.0	60.0	[illegible]	5.1	147.0	107.0	16.0	81.0
778-I	0.1	110.0	466.0	157.0	43.0	[illegible]	5.4	146.0	110.0	18.0	72.0
MEAN	0.2	153.1	719.1	150.6	39.9	[illegible]	5.0	147.6	108.6	19.1	64.8
S.D.	0.09	24.5	314.4	20.8	23.2	[illegible]	0.38	2.7	2.4	2.4	16.0
MALES											
706-E	0.2	88.0	780.0	169.0	113.0	[illegible]	6.0	147.0	111.0	20.0	67.0
600-I	0.2	111.0	328.0	201.0	146.0	[illegible]	4.5	151.0	107.0	20.0	82.0
425-J	0.2	165.0	371.0	135.0	22.0	[illegible]	5.4	145.0	105.0	25.0	71.0
427-J	0.2	650.0	304.0	166.0	15.0	[illegible]	5.4	151.0	106.0	11.0	94.0
MEAN	0.2*	253.5	445.8	167.8	74.0	[illegible]	5.3	149.3	107.3	19.0	78.5
S.D.	0.00	266.3	224.6	27.0	65.5	[illegible]	0.67	2.1	2.6	5.8	12.1

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 19

BIOCHEMISTRY

CONTROL - MONTH 2

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/DL)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
764-E	10.0	1.2	151.0	0.2	37.0	33.0	7.3	4.1	9.7	4.4	1.3	3.2
887-F	19.0	1.5	153.0	0.2	45.0	27.0	6.9	3.7	9.5	4.7	1.2	3.2
200-I	11.0	1.3	154.0	0.2	45.0	32.0	6.9	3.7	9.9	5.0	2.0	3.5
274-F	11.0	1.3	189.0	0.2	50.0	40.0	8.2	4.7	11.1	4.5	1.3	3.5
569-H	17.0	1.3	150.0	0.5	52.0	53.0	8.2	4.1	10.0	4.4	1.4	3.0
578-H	15.0	1.3	169.0	0.2	46.0	73.0	7.3	4.1	11.2	5.6	1.4	3.2
604-I	15.0	1.2	166.0	0.1	40.0	33.0	7.3	4.7	10.7	4.1	1.5	3.1
618-I	13.0	1.0	145.0	0.2	44.0	44.0	7.2	3.6	10.2	5.0	1.0	1.0
MEAN	14.6	1.2	159.6	0.2	44.9	47.1	7.4	4.0	10.1	4.6	1.3	3.1
S.D.	3.1	0.15	14.4	0.12	4.9	19.5	0.51	0.41	0.65	0.53	0.30	0.90
MALES												
227-G	22.0	1.3	185.0	0.1	42.0	72.0	6.7	3.8	10.6	4.7	1.3	2.9
426-G	24.0	1.7	117.0	1.6	42.0	84.0	7.2	4.0	10.0	3.6	1.3	3.2
739-I	19.0	1.5	80.0	0.2	56.0	91.0	6.8	4.0	10.3	7.3	1.4	2.8
418-J	21.0	1.9	169.0	0.4	35.0	52.0	8.3	5.0	11.4	5.9	1.5	3.3
MEAN	21.5	1.6	139.0	0.6	43.7	75.1	7.2	4.2	10.6	5.1	1.4	3.0
S.D.	2.1	0.26	49.1	0.69	8.8	17.7	0.71	0.55	0.60	1.56	0.10	0.25

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 19.1

BIOCHEMISTRY

CONTROL - MONTH 2

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (UTU/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
764-E	0.2	159.0	475.0	156.0	19.0	47.[illegible]	3.9	154.0	109.0	21.0	39.0
887-F	0.2	94.0	735.0	140.0	139.0	[illegible]	3.2	153.0	103.0	27.0	52.0
280-F	0.2	146.0	490.0	176.0	63.0	27.[illegible]	4.7	149.0	109.0	19.0	33.0
274-F	0.1	135.0	670.0	165.0	51.0	[illegible]	5.4	160.0	109.0	20.0	41.0
569-H	0.2	97.0	810.0	183.0	29.0	[illegible]	4.9	155.0	110.0	9.0	79.0
578-H	0.2	138.0	615.0	172.0	59.0	[illegible]	4.7	151.0	109.0	24.0	48.0
604-I	0.1	152.0	555.0	181.0	22.0	[illegible]	4.8	156.0	110.0	27.0	47.0
618-I	0.1	161.0	750.0	66.0	31.0	[illegible]	4.5	151.0	106.0	25.0	17.0
MEAN	0.2	135.3	631.3	154.9	51.6	41.[illegible]	4.5	154.4	108.1	21.8	[illegible]
S.D.	0.05	26.2	123.9	38.6	39.1	30.[illegible]	0.67	3.5	2.4	6.1	19.8
MALES											
739-F	0.1	78.0	530.0	184.0	104.0	[illegible]	4.4	151.0	118.0	25.0	53.0
227-G	0.1	103.0	560.0	136.0	139.0	[illegible]	4.4	154.0	111.0	19.0	64.0
426-G	0.2	159.0	700.0	199.0	72.0	[illegible]	4.9	153.0	111.0	21.0	13.0
418-J	0.2	289.0	535.0	170.0	95.0	[illegible]	4.2	159.0	107.0	20.0	40.0
MEAN	0.1	157.3	501.3	174.3	102.5	[illegible]	4.5	154.3	111.8	21.3	42.5
S.D.	0.06	94.1	80.2	27.0	27.8	40.[illegible]	0.30	3.4	4.6	2.6	[illegible]

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016660

TABLE 19.2

BIOCHEMISTRY

5 UG/KG - MONTH 2

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
646-E	15.0	0.7	123.0	0.1	38.0	36.0	6.9	3.7	9.8	5.3	1.2	3.2
701-E	17.0	1.3	154.0	0.3	62.0	144.0	7.2	4.5	11.0	4.6	1.8	2.7
683-F	17.0	1.2	161.0	0.2	51.0	83.0	7.7	4.1	11.1	5.3	1.3	3.0
605-F	16.0	1.1	155.0	0.1	41.0	58.0	7.5	4.2	10.6	3.7	1.3	3.3
839-H	19.0	0.9	141.0	0.2	66.0	140.0	7.1	3.9	10.9	2.8	1.2	3.2
284-I	17.0	1.3	109.0	0.2	35.0	34.0	7.0	4.4	11.5	5.8	1.3	3.5
309-I	14.0	0.8	130.0	0.1	34.0	37.0	6.7	3.6	10.0	4.5	1.2	3.1
624-I	21.0	1.0	175.0	0.3	44.0	32.0	7.4	3.9	10.7	5.5	1.1	3.5
MEAN	17.0	1.0	153.5	0.2	46.4	69.6	7.3	4.1	11.6	4.3	1.3	3..
S.D.	2.2	0.23	22.1	0.08	12.2	47.6	0.40	0.33	0.61	1.03	0.18	0.26
MALES												
516-G	20.0	1.5	130.0	0.1	47.0	30.0	6.9	3.8	10.2	4.6	1.2	3.1
119-H	18.0	1.4	146.0	0.3	48.0	40.0	8.0	4.5	11.4	6.5	1.3	3.5
428-J	19.0	1.4	127.0	0.3	49.0	33.0	7.9	4.6	11.0	5.3	1.4	3.3
432-J	18.0	1.4	116.0	0.2	50.0	31.0	7.5	4.1	9.7	4.5	1.2	3.4
MEAN	18.8	1.4	131.8	0.2	48.5	33.5*	7.6	4.2	10.7	5.2	1.3	3.1
S.D.	1.0	0.05	13.1	0.10	1.3	4.5	0.50	0.37	0.92	0.92	0.10	0.17

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 19.3

BIOCHEMISTRY

5 UG/KG - MONTH 2

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT PROT (MG/DL)	TRIGLYC (MG/DL)	CPK (IU/L)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	SGPT (ALT) (MG/ML)
FEMALES											
646-E	0.2	88.0	650.0	164.0	95.0	22.0	4.7	140.0	111.0	13.0	43.0
701-E	0.1	161.0	740.0	196.0	88.0	29.0	5.5	142.0	109.0	16.0	58.0
483-F	0.2	116.0	750.0	235.0	38.0	16.0	5.7	136.0	108.0	20.0	38.0
689-F	0.2	99.0	615.0	168.0	148.0	35.0	4.9	152.0	113.0	9.0	59.0
859-H	0.1	105.0	790.0	155.0	94.0	26.0	5.6	151.0	113.0	14.0	33.0
284-I	0.2	150.0	346.0	162.0	84.0	29.0	6.5	146.0	113.0	17.0	58.0
389-I	0.1	138.0	510.0	196.0	80.0	24.0	4.8	152.0	107.0	20.0	64.0
624-I	0.1	99.0	955.0	123.0	66.0	46.0	5.5	140.0	110.0	21.0	56.0
MEAN	0.1	119.5	669.5	176.6	86.6	33.5	5.49	147.9	110.5	15.4*	52.5
S.D.	0.05	26.9	185.5	33.5	31.0	15.6	0.59	11.4	2.4	4.3	8.5
MALES											
516-G	0.2	88.0	710.0	168.0	41.0	49.0	4.4	152.0	106.0	22.0	60.0
119-H	0.2	121.0	445.0	220.0	49.0	35.0	5.9	140.0	111.0	16.0	53.0
478-J	0.2	227.0	845.0	203.0	29.0	51.0	4.8	152.0	109.0	11.0	51.0
432-J	0.1	201.0	685.0	186.0	24.0	330.0	4.9	150.0	105.0	19.0	83.0
MEAN	0.2	179.3	671.3	194.3	33.8**	126.3	5.0	153.5	107.0	16.5	54.3
S.D.	0.05	90.1	166.4	22.3	11.4	146.3	0.64	4.4	2.4	4.7	10.0

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016662

TABLE 39.0

BIOCHEMISTRY

25 UG/KG MONTH 2

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	UREIC ACID (MG/DL)	SGOT (IU/ML)	SGPT (IU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
762-E	22.0	0.9	142.0	0.2	56.0	51.0	6.6	3.4	10.1	3.5	1.1	2.9
763-T	14.0	1.0	207.0	0.2	71.0	135.0	6.8	4.2	10.0	4.5	1.6	2.6
761-G	17.0	1.0	152.0	0.3	40.0	24.0	7.7	4.2	10.7	4.7	1.2	3.5
560-H	18.0	1.0	156.0	0.2	44.0	58.0	7.2	4.0	9.6	4.0	1.3	3.2
891-H	14.0	1.0	123.0	0.2	29.0	28.0	6.3	4.1	10.5	5.7	1.9	2.1
773-I	16.0	1.0	151.0	0.2	55.0	33.0	7.5	4.3	11.0	4.4	1.3	3.2
307-I	20.0	1.0	135.0	0.3	44.0	31.0	7.7	3.9	10.3	6.0	1.0	3.0
757-I	17.0	1.1	125.0	0.1	47.0	42.0	8.0	4.0	11.3	4.3	1.4	3.6
MEAN	17.3	1.00*	148.9	0.2	48.2	56.5	7.3	4.1	10.4	4.6	1.3	3.2
S.D.	2.8	0.09	26.5	0.05	12.5	36.1	0.50	0.27	0.54	0.83	0.38	0.49
MALES												
870-I	18.0	1.5	168.0	0.8	39.0	42.0	8.1	4.3	12.3	4.4	1.1	3.0
866-I	18.0	1.4	133.0	0.9	37.0	19.3	7.6	4.1	10.7	5.4	1.2	3.5
995-I	19.0	1.4	139.0	0.8	45.0	40.1	8.5	4.1	10.4	5.3	1.0	4.1
999-I	21.0	1.7	179.0	0.7	38.0	48.0	7.9	3.9	11.9	4.6	1.9	4.0
MEAN	18.0	1.5	153.3	0.8	39.7	49.1*	8.0	4.1	11.2	5.4	1.1**	3.7**
S.D.	2.4	0.14	23.8	0.08	3.6	8.7	0.34	0.16	0.74	0.90	0.10	0.59

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 19.5

BIOCHEMISTRY

25 MG/KG — MONTH 2

ANIMAL NUMBER	BIL BIL (MG/DL)	ALK PHO (IU/ML)	LAC DEHYDRO (IU/ML)	TOT PROT (MG/DL)	TRIGLYC (MG/DL)	CPK (IU/L)	SERUM UREA (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/ML)
FEMALES											
762-E	0.1	114.0	1030.0	150.0	146.0	[illegible]	3.9	154.0	110.0	17.0	58.0
761-E	0.1	88.0	930.0	172.0	144.0	[illegible]	4.2	156.0	109.0	16.0	61.0
281-G	0.1	90.0	845.0	156.0	81.0	[illegible]	4.7	153.0	106.0	21.0	61.0
548-H	0.2	96.0	800.0	178.0	95.0	[illegible]	4.6	155.0	110.0	18.0	63.0
843-H	0.2	147.0	614.0	143.0	77.0	[illegible]	5.2	157.0	113.0	17.0	64.0
273-I	0.1	153.0	920.0	201.0	161.0	[illegible]	4.4	152.0	104.0	20.0	61.0
307-I	0.1	87.0	965.0	180.0	106.0	[illegible]	4.8	154.0	111.0	16.0	53.0
757-I	0.1	207.0	990.0	229.0	152.0	[illegible]	5.7	157.0	109.0	17.0	70.0
MEAN	0.1	122.8	859.3*	176.4	115.3**	[illegible]	4.7	154.5	109.3	17.5	58.6
S.D.	0.05	43.0	194.3	28.6	40.7	[illegible]	0.58	3.4	2.4	2.6	6.4
MALES											
020-I	0.1	124.0	331.0	210.0	96.0	[illegible]	5.8	161.0	111.0	19.0	83.0
046-I	0.2	72.0	425.0	224.0	65.0	[illegible]	5.6	157.0	107.0	26.0	67.0
595-I	0.1	109.0	448.0	179.0	60.0	[illegible]	5.0	155.0	106.0	29.0	64.0
599-I	0.1	93.0	488.0	207.0	48.0	[illegible]	5.4	159.0	110.0	22.0	67.0
MEAN	0.1	99.5	423.0*	203.8	67.3	[illegible]	5.44*	158.5	108.5	24.0	70.0
S.D.	0.05	22.3	66.6	23.2	20.5	[illegible]	0.57	3.4	2.6	4.4	8.2

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 19.6

BIOCHEMISTRY

100 D.Z/KG. - MONTH 2

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	UREC ACID (MG/DL)	SGOT (IU/L)	SGPT (IU/L)	TOT PRO (G/DL)	ALB (G/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLUC (MG/DL)
FEMALES												
192-I	17.0	1.0	169.0	0.2	45.0	85.0	6.8	3.7	10.4	4.2	1.2	1.1
226-I	18.0	1.1	162.0	0.2	54.0	140.0	7.5	3.9	10.9	5.0	1.1	1.1
486-H	20.0	1.5	134.0	0.4	39.0	35.0	7.8	4.5	10.4	4.7	1.4	1.1
269-I	29.0	1.0	182.0	0.0	97.0	221.0	7.8	4.2	10.7	4.7	1.2	1.1
287-I	11.0	1.2	155.0	0.7	34.0	83.0	7.0	4.0	10.1	3.6	1.3	1.0
312-I	12.0	1.1	185.0	0.3	23.0	9.0	7.1	4.7	10.4	3.5	1.9	1.1
319-I	19.0	1.4	125.0	0.5	45.0	40.0	6.4	4.1	11.1	3.9	1.8	1.1
270-I	14.0	0.9	140.0	1.9	36.0	34.0	7.5	3.0	10.2	4.4	0.9	1.2
MEAN	17.5	1.2	157.5	0.69	46.9	80.9	7.5	4.1	10.6	4.2	1.2	1.1
S.D.	5.7	0.30	21.4	0.43	22.4	70.0	0.51	0.38	0.35	0.55	0.27	0.55
MALES												
206-E	25.0	1.0	165.0	0.4	43.0	35.0	6.9	4.1	10.1	4.0	1.5	1.0
600-I	17.0	1.2	137.0	0.1	41.0	22.0	7.7	4.4	11.2	6.0	1.3	1.3
625-J	17.0	1.1	147.0	0.7	54.0	24.0	7.5	4.0	10.2	5.0	1.1	1.1
627-J	17.0	1.3	114.0	0.6	51.0	29.0	7.8	4.4	11.8	6.0	1.1	1.2
MEAN	19.0	1.1	135.8	0.4	47.7	27.5 *	7.5	4.1	10.8	5.2	1.2	1.1
S.D.	4.0	0.31	15.1	0.26	6.7	5.8	0.40	0.17	0.82	0.98	0.19	0.14

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016665

TABLE 19.7

BIOCHEMISTRY

100 UG/KG - MONTH 2

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT PROTEIN (MG/DL)	TRIGLYC (MG/DL)	[illegible] (UNIT/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC (MG/DL)
FEMALES											
157-F	0.1	114.0	467.0	260.0	51.0	[illegible]	4.9	155.0	109.0	24.0	47.0
226-F	0.1	126.0	381.0	232.0	41.0	[illegible]	5.4	151.0	106.0	22.0	53.0
486-H	0.2	159.0	1020.0	154.0	53.0	[illegible]	4.9	155.0	104.0	16.9	42.0
269-I	0.3	200.0	300.0	160.0	315.0	[illegible]	4.1	154.0	102.0	16.9	59.0
287-I	0.1	218.0	224.0	192.0	81.0	[illegible]	5.4	154.0	109.0	23.0	58.3
312-I	0.1	144.0	340.0	180.0	21.0	[illegible]	4.8	147.0	107.0	19.0	64.0
334-I	0.1	114.0	770.0	201.0	53.0	[illegible]	5.3	155.0	110.0	19.8	97.0
770-I	0.1	97.0	339.0	172.0	85.0	[illegible]	5.4	154.0	110.0	21.0	96.0
MEAN	0.1	146.8	478.6	193.9	88.0	[illegible]	5.0	153.6	107.1	20.0	68.1
S.D.	0.07	43.3	272.9	36.4	94.1	[illegible]	0.45	2.8	2.9	3.0	19.9
MALES											
706-E	0.1	86.0	409.0	255.0	104.0	[illegible]	5.3	155.0	108.0	24.0	69.0
600-I	0.1	111.0	473.0	243.0	191.0	[illegible]	5.2	157.0	106.0	25.3	52.0
425-J	0.1	184.0	700.0	178.0	36.0	[illegible]	5.5	151.0	105.0	24.0	68.0
427-J	0.1	413.0	428.0	282.0	37.0	[illegible]	5.4	160.0	109.0	16.0	87.0
MEAN	0.1	199.0	502.5	239.50	82.0	[illegible]	5.349	155.8	107.0	23.3	69.0
S.D.	0.00	148.5	134.4	44.1	95.9	[illegible]	0.13	3.8	1.8	5.1	14.1

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016666

TABLE 20

BIOCHEMISTRY

CONTROL - MONKEY 4

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (IU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	ALK PHOS	GLOB (GM/DL)
FEMALES												
764-E	15.0	1.3	146.0	0.1	26.0	60.0	7.4	4.1	9.7	4.5	1.7	3.3
847-F	17.0	1.4	155.0	1.4	31.0	22.0	6.9	3.6	9.3	3.7	1.0	3.3
280-F	16.0	1.2	196.0	0.2	36.0	36.0	8.0	3.7	10.9	4.6	0.9	4.3
275-F	9.0	1.2	176.0	0.2	67.0	73.0	9.1	4.4	10.6	4.6	1.7	3.7
567-H	17.0	1.1	159.0	0.1	42.0	33.0	7.8	3.9	10.3	3.5	1.0	3.9
579-H	14.0	1.3	186.0	0.1	36.0	82.0	7.5	4.3	10.8	4.5	1.3	3.2
604-I	14.0	1.2	156.0	0.3	28.0	23.0	7.1	4.0	9.9	3.8	1.1	3.1
618-I	14.0	1.2	165.0	0.2	33.0	46.0	7.7	3.8	9.8	5.6	1.0	3.9
MEAN	14.5	1.2	167.4	0.3	37.4	46.0	7.6	3.7	10.1	4.3	1.1	3.6
S.D.	2.6	0.09	17.1	0.44	13.0	22.0	0.42	0.33	0.53	0.87	0.16	0.58
MALES												
739-F	28.0	1.7	97.0	0.1	69.0	98.0	7.5	4.9	10.1	3.2	1.9	2.6
727-G	28.0	1.7	175.0	0.2	39.0	63.0	7.5	4.5	11.1	3.3	1.5	3.0
626-G	29.0	1.6	117.0	0.5	32.0	53.0	6.7	4.4	10.6	3.8	2.2	2.3
618-J	29.0	2.1	167.0	0.2	146.0	115.0	9.5	5.8	13.5	4.8	1.4	3.5
MEAN	27.5	1.8	139.0	0.2	66.5	74.8	7.5	4.7	11.3	3.1	1.7	2.8
S.D.	1.7	0.22	38.0	0.08	53.5	33.9	0.74	0.74	1.44	1.44	0.37	0.59

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 20.1

BIOCHEMISTRY

CONTROL - WEEK 4

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (IU/ML)	LAC DEHYDRO (IU/ML)	TOT PROT (MG/DL)	TRIGLYC (MG/DL)	LDL (IU/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CHOL (MG/DL)	GLUC FAST (MG/DL)
FEMALES											
764-E	0.1	163.0	290.0	239.0	62.0	[illegible]	4.6	147.0	107.0	23.0	97.0
867-E	0.1	96.0	460.0	210.0	214.0	[illegible]	3.9	145.0	108.0	17.0	93.0
200-F	0.2	173.0	1095.0	210.0	141.0	[illegible]	5.1	149.0	113.0	11.0	93.0
276-F	0.1	143.0	708.0	120.0	69.0	[illegible]	4.8	157.0	106.0	12.0	103.0
569-H	0.1	102.0	948.0	160.0	69.0	47.3	5.2	148.0	113.0	12.3	97.0
578-H	0.1	185.0	950.0	164.0	123.0	[illegible]	4.9	150.0	113.0	13.0	92.0
584-I	0.1	152.0	744.0	162.0	37.0	31.0	4.4	148.0	109.0	22.0	97.0
638-I	0.2	149.0	345.0	183.0	43.0	[illegible]	4.0	149.0	108.0	17.0	92.0
MEAN	0.1	144.9	557.3	181.3	94.8	[illegible]	4.5	147.9	109.6	15.6	97.4
S.D.	0.05	31.8	322.0	37.4	60.4	[illegible]	0.67	3.6	2.9	4.3	20.4
MALES											
739-F	0.1	106.0	676.0	204.0	63.0	[illegible]	4.1	155.0	117.0	25.0	90.0
727-G	0.1	141.0	640.0	152.0	66.0	[illegible]	4.7	200.0	116.0	29.3	83.0
426-G	0.2	179.0	426.0	154.0	51.0	[illegible]	5.4	196.0	116.0	24.0	89.0
418-J	0.2	325.0	1275.0	81.0	78.0	[illegible]	5.7	200.0	118.0	16.0	113.0
MEAN	0.2	180.3	704.3	147.8	59.5	[illegible]	5.0	177.8	116.8	22.5	93.0
S.D.	0.08	102.1	391.3	50.6	14.2	[illegible]	0.72	25.7	1.0	5.6	12.1

# INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016668

TABLE 20.2

BIOCHEMISTRY

5 UG/KG - WEEK 6

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PROT (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
646-E	20.0	1.1	162.0	0.2	28.0	13.[illegible]	7.5	3.8	10.5	2.6	1.[illegible]	3.7
701-E	20.0	1.3	194.0	0.3	100.0	175.0	7.1	4.1	11.0	3.4	1.4	3.0
481-F	15.0	1.4	151.0	0.1	57.0	102.0	7.6	4.2	11.2	2.4	1.3	3.2
605-F	15.0	1.4	158.0	0.1	28.0	49.0	7.0	3.8	10.1	2.9	1.2	3.2
034-H	20.0	1.1	166.0	0.2	34.0	48.0	7.0	3.8	9.8	2.1	1.2	3.2
284-I	16.0	1.4	180.0	0.2	32.0	37.0	7.5	4.1	11.5	4.5	1.[illegible]	3.4
389-I	13.0	1.1	143.0	0.1	36.0	110.0	7.8	3.6	9.7	4.6	1.1	3.7
624-I	19.0	1.1	186.0	0.1	46.0	94.0	7.5	4.0	10.6	5.5	1.1	3.5
MEAN	17.5*	1.2	161.3	0.2	45.1	75.[illegible]	7.2	3.9	10.5	3.5	1.[illegible]	3.3
S.D.	2.8	0.15	15.7	0.07	24.3	52.8	0.28	0.21	0.75	1.23	0.12	[illegible]
MALES												
516-G	24.0	1.9	161.0	0.1	34.0	28.0	6.2	4.4	10.4	3.3	1.1	3.4
119-H	20.0	1.4	125.0	0.2	48.0	59.0	8.0	5.0	11.0	4.6	1.7	3.0
420-J	21.0	1.5	149.0	0.1	32.0	31.0	8.5	5.0	10.[illegible]	5.2	1.6	3.[illegible]
432-J	19.0	1.6	113.0	0.1	30.0	20.0	7.9	4.7	10.[illegible]	5.5	1.5	3.2
MEAN	20.0*	1.6	129.5	0.1	36.0	34.[illegible]	8.1	4.8	10.8	4.6	1.5	3.1
S.D.	3.7	0.22	21.6	0.05	8.2	17.0	0.76	0.15	0.72	0.97	0.17	[illegible]

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 20.3

BIOCHEMISTRY

5 UG/KG MONTH 6

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (IU/ML)	LAC DEHYDRO (IU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (IU/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GAMG TASE (IU/ML)
FEMALES											
646-E	0.1	92.0	320.0	118.0	207.0	[illegible]	3.9	151.0	109.0	29.0	49.0
701-E	0.1	191.0	418.0	121.0	268.0	[illegible]	4.4	145.0	104.0	15.0	46.0
483-F	0.8	117.0	311.0	214.0	99.0	[illegible]	5.0	156.0	109.0	24.0	47.0
695-F	0.8	97.0	244.0	125.0	101.0	[illegible]	4.0	134.0	101.0	16.0	42.0
859-H	0.1	128.0	493.0	145.0	256.0	[illegible]	3.3	146.0	108.0	21.0	32.0
286-I	0.1	175.0	230.0	96.0	142.0	[illegible]	5.0	152.0	107.0	26.0	39.0
309-I	0.1	155.0	377.0	236.0	136.0	[illegible]	4.3	145.0	100.0	17.0	77.0
426-I	0.2	124.0	117.0	174.0	87.0	[illegible]	5.2	159.0	115.0	23.0	57.0
MEAN	0.1	136.9	314.0	153.4	162.0	[illegible]	4.4	148.8	108.1	22.6	51.8
S.D.	0.06	35.7	110.2	50.2	72.2	[illegible]	0.65	6.5	3.8	6.4	15.7
MALES											
516-G	0.3	132.0	458.0	175.0	49.0	[illegible]	4.8	158.0	115.0	23.0	46.0
159-H	0.2	186.0	305.0	225.0	77.0	[illegible]	5.1	156.0	111.0	20.0	84.0
428-J	0.2	214.0	710.0	188.0	46.0	[illegible]	5.0	156.0	112.0	21.0	102.0
437-J	0.1	328.0	398.0	352.0	43.0	[illegible]	5.3	156.0	111.0	21.0	78.0
MEAN	0.2	215.0	472.0	185.0	53.0	[illegible]	5.2	156.5	112.3**	20.0	78.0
S.D.	0.08	82.7	165.7	30.5	15.7	[illegible]	0.19	1.0	1.9	0.5	22.1

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016670

TABLE 20.4

BIOCHEMISTRY

25 WEEKS - MONTH 9

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
762-F	20.0	0.7	124.0	4.2	41.0	51.0	7.0	3.6	9.7	3.7	1.2	3.0
763-C	17.0	1.1	226.0	0.1	47.0	89.0	7.2	4.1	10.4	4.0	1.3	3.1
781-G	17.0	1.1	199.0	0.1	35.0	38.0	7.0	3.1	10.1	4.6	1.1	3.3
598-H	18.0	1.0	152.0	0.1	65.0	52.0	7.0	3.7	9.8	4.2	1.1	3.3
841-H	11.0	1.7	187.0	0.1	37.0	52.0	6.9	3.9	9.9	3.9	1.3	3.0
773-I	17.0	1.2	134.0	0.1	56.0	31.0	7.3	3.9	10.0	4.9	1.2	3.9
387-I	27.0	1.2	137.0	0.2	93.0	35.0	7.6	3.9	10.5	4.0	1.1	3.7
759-I	17.0	1.4	135.0	0.1	47.0	23.0	7.9	4.4	10.6	4.2	1.3	3.5
MEAN	17.0	1.1	195.5	0.1	49.1	52.9	7.2	3.9	10.1	4.5	1.2	3.3
S.D.	3.0	0.35	36.3	0.05	7.1	36.9	0.35	0.26	0.32	0.71	0.09	0.22
MALES												
820-I	21.0	1.9	138.0	0.2	199.0	113.0	7.6	4.1	10.8	2.9	1.2	3.5
846-I	21.0	1.5	127.0	10.9	37.0	62.0	7.5	4.0	10.2	3.7	1.1	3.5
595-S	20.0	1.5	151.0	1.0	32.0	82.0	8.3	4.1	10.8	2.8	1.0	4.2
899-I	24.0	1.4	127.0	0.0	128.0	153.0	7.7	4.1	9.9	3.4	1.1	3.6
MEAN	22.5*	1.7	131.0	1.0	77.0	98.5	7.8	4.1**	10.1	3.2	1.1*	3.7*
S.D.	2.6	0.21	6.9	0.95	79.1	47.0	0.36	0.05	0.50	0.52	0.08	0.36

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016671

TABLE 20.5

BIOCHEMISTRY

25 MG/KG - MONTH 4

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (MU/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
762-E	0.1	120.0	940.0	175.0	106.0	114.0	4.2	143.0	107.0	23.0	68.0
763-E	0.1	79.0	720.0	204.0	97.0	94.0	4.8	147.0	106.0	23.0	84.0
281-G	0.1	91.0	810.0	176.0	63.0	46.0	4.7	151.0	106.0	20.0	97.0
560-H	0.1	104.0	1230.0	199.0	61.0	51.0	4.6	157.0	111.0	9.0	37.0
843-H	0.1	145.0	661.0	207.0	59.0	49.0	4.7	154.0	120.0	10.0	70.0
273-I	0.1	151.0	970.0	229.0	95.0	101.0	4.9	150.0	107.0	24.0	58.0
307-I	0.1	84.0	920.0	167.0	116.0	91.0	5.0	146.0	110.0	21.0	61.0
757-I	0.1	195.0	1210.0	232.0	75.0	82.0	5.3	156.0	111.0	15.0	73.0
MEAN	0.1	121.1	907.6*	198.6	84.0	180.4	4.7	133.5*	109.8	19.1	61.0
S.D.	0.00	40.1	252.8	24.5	22.3	317.5	0.41	5.8	4.7	6.6	15.7
MALES											
020-I	0.2	159.0	1603.0	206.0	50.0	3515.0	5.2	157.0	118.0	11.0	192.0
858-I	0.1	88.0	1316.0	162.0	101.0	967.0	4.8	156.0	115.0	17.0	79.0
595-I	0.1	137.0	650.0	140.0	55.0	48.0	4.4	158.0	112.0	27.0	73.0
599-I	0.1	124.0	1102.0	163.0	45.0	436.0	8.0	158.0	112.0	16.0	103.0
MEAN	0.1	127.0	1167.3	167.0	62.8	1239.0	5.6	157.3	115.3	17.8	93.1
S.D.	0.05	29.7	498.0	27.6	25.8	1572.5	1.63	1.0	2.9	6.7	31.1

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 20.6

[illegible]

[illegible] MONKEY A

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G [illegible]	GLOB (GM/DL)
FEMALES												
152-I	17.0	1.1	138.0	0.8	47.0	106.0	6.5	3.5	10.7	3.3	1.7	3.8
274-I	19.0	1.1	151.0	0.2	61.0	119.0	7.3	3.7	9.7	3.1	1.4	3.6
496/M	14.9	1.5	121.0	0.5	45.0	39.0	7.1	4.1	10.7	3.8	1.1	3.2
269-I	7.0	0.9	139.0	0.2	40.0	50.0	7.5	4.1	11.5	4.8	1.2	3.6
287-I	15.0	1.4	142.0	0.2	38.0	76.0	7.5	4.1	10.8	3.7	1.2	3.4
512-I	16.0	1.1	196.0	0.1	25.0	20.0	7.6	4.4	10.6	4.5	1.4	3.2
338-I	11.0	1.3	110.0	0.2	53.0	48.0	8.2	4.1	10.2	3.1	1.0	4.1
270-I	13.0	1.0	139.0	0.1	34.0	42.0	7.8	3.8	9.9	3.5	1.0	4.0
MEAN	14.5	1.2	141.1*	0.2	45.4	63.1	7.5	4.0	10.5	3.66	1.2	3.5
S.D.	3.6	0.21	25.6	0.13	14.1	31.2	0.49	0.29	0.57	0.63	0.15	0.36
MALES												
706-E	26.0	2.0	121.0	0.1	43.0	48.0	7.0	4.1	10.2	2.8	1.4	2.9
680-I	29.0	1.7	133.0	0.2	43.0	34.0	8.1	4.6	10.9	22.2	1.3	3.5
425-J	24.0	1.2	139.0	0.1	42.0	32.0	7.7	4.1	10.1	4.1	1.1	3.6
427-J	13.0	1.6	97.0	0.5	104.0	65.0	8.2	4.5	12.1	4.6	1.2	3.8
MEAN	23.0	1.6	121.5	0.2	57.5	44.1	7.7	4.30	10.6	8.9	1.29	3.4
S.D.	7.0	0.33	17.5	0.19	31.0	14.1	0.54	0.24	1.10	8.99	0.13	0.33

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016673

TABLE 20.7

BIOCHEMISTRY

100 DAYS - MONTH 4

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (UI10/ML)	SERUM PUTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC (MG/DL)
FEMALES											
152-F	0.1	129.0	920.0	407.0	90.0	620.0	4.9	149.0	110.0	14.0	52.0
226-F	0.1	144.0	750.0	234.0	146.0	52.0	4.6	149.0	110.0	21.0	47.0
406-M	0.1	137.0	820.0	199.0	106.0	30.0	5.9	156.0	115.0	12.0	59.0
269-I	0.1	192.0	931.0	225.0	62.0	30.0	5.8	155.0	117.0	20.0	70.0
283-S	0.1	251.0	198.0	224.0	144.0	47.0	5.7	155.0	117.0	18.0	56.0
312-I	0.1	136.0	265.0	175.0	86.0	37.0	4.4	152.0	108.0	26.0	73.0
338-I	0.1	124.0	456.0	261.0	117.0	62.0	5.0	149.0	108.0	17.0	47.0
770-I	0.1	131.0	312.0	199.0	49.0	44.0	5.0	155.0	117.0	17.0	69.0
MEAN	0.1	156.3	506.5	240.5	102.0	170.1	5.2*	152.5**	110.9	17.9	65.4
S.D.	0.00	45.9	281.1	72.1	39.4	205.6	0.57	3.1	2.9	3.8	12.5
MALES											
706-E	0.1	101.0	387.0	245.0	101.0	136.0	5.5	159.0	115.0	23.0	101.0
680-I	0.1	142.0	681.0	199.0	231.0	77.0	10.4	159.0	113.0	20.0	67.0
425-J	0.1	208.0	466.0	181.0	49.0	146.0	5.0	154.0	112.0	24.0	74.0
471-J	0.1	468.0	726.0	196.0	26.0	159.0	5.2	159.0	111.0	12.0	104.0
MEAN	0.1*	224.8	565.0	205.3	101.0	171.0	6.6	157.8	112.8**	19.8	87.5
S.D.	0.00	155.2	164.2	27.6	91.7	696.8	2.69	2.5	1.7	5.4	17.9

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016674

TABLE 21

BIOCHEMISTRY

CONTROL PONTIUS

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MG/ML)	SGPT (MG/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLUM (GM/DL)
FEMALES												
764-E	14.0	1.3	159.0	0.2	27.0	89.0	7.6	4.1	9.9	5.1	1.2	3.5
087-F	21.0	1.6	134.0	0.1	38.0	25.0	7.3	3.9	9.4	3.7	0.9	3.8
280-F	9.0	1.1	170.0	0.1	37.0	42.0	8.3	4.2	10.5	4.5	1.0	4.1
274-F	14.0	1.1	174.0	0.1	31.0	27.0	7.6	3.9	10.4	2.8	0.9	4.1
569-H	17.0	1.3	170.0	0.4	31.0	37.0	8.3	4.2	11.3	3.3	1.0	4.1
578-H	12.0	1.4	171.0	0.4	28.0	48.0	7.3	4.3	11.2	4.3	1.4	3.0
604-I	12.0	1.2	162.0	0.3	27.0	23.0	7.6	4.1	10.7	3.6	1.2	3.5
618-I	17.0	1.2	163.0	0.1	43.0	73.0	7.5	3.7	9.7	5.2	1.0	3.6
MEAN	14.5	1.3	167.9	0.2	32.3	45.5	7.7	3.9	10.4	4.1	1.1	3.7
S.D.	3.7	0.17	5.7	0.14	5.9	23.9	0.40	0.33	0.69	0.84	0.16	0.35
MALES												
739-F	17.0	1.2	98.0	0.5	37.0	50.0	7.3	4.9	9.7	4.6	2.0	2.4
227-G	15.0	1.2	143.0	0.1	31.0	36.0	7.3	5.0	10.3	5.4	2.2	2.3
426-G	17.0	1.5	108.0	0.1	130.0	91.0	7.4	4.9	9.9	2.9	2.0	2.5
418-J	15.0	1.6	163.0	0.4	29.0	41.0	7.9	6.0	11.5	6.9	3.2	1.5
MEAN	16.0	1.4	138.0	0.3	56.7	54.5	7.5	5.2	10.3	4.9	2.3	2.3
S.D.	1.2	0.21	41.4	0.21	49.0	25.0	0.29	0.55	0.81	1.67	0.57	0.26

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016675

TABLE 21.1

BIOCHEMISTRY

CONTROL ANIMALS

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (IU/ML)	LAC DEHYDRO (IU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (IU/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	SERUM LIPID (MG/DL)
FEMALES											
761-E	0.1	204.0	275.0	200.0	39.0	[illegible]	4.4	149.0	108.0	19.0	72.0
082-F	0.1	114.0	630.0	140.0	109.0	507.0	5.0	148.0	111.0	18.0	66.0
208-F	0.1	191.0	456.0	120.0	28.0	64.0	5.0	150.0	107.0	15.0	78.0
274-F	0.1	176.0	520.0	240.0	161.0	246.0	4.9	148.0	111.0	14.0	87.0
569-H	0.1	113.0	437.0	149.0	59.0	57.0	5.4	158.0	112.0	16.0	74.0
578-H	0.1	193.0	327.0	120.0	65.0	69.0	5.5	155.0	116.0	14.0	61.0
604-I	0.1	141.0	316.0	137.0	50.0	25.0	4.9	147.0	106.0	23.0	74.0
618-I	0.2	151.0	540.0	140.0	42.0	180.0	4.2	148.0	110.0	16.0	68.0
MEAN	0.1	160.4	437.6	157.8	69.1	401.4	4.9	150.4	110.1	16.0	71.4
S.D.	0.04	35.9	124.3	43.7	44.5	611.9	0.44	4.0	3.2	3.4	8.9
MALES											
739-F	0.1	107.0	580.0	160.0	33.0	31.0	4.6	147.0	107.0	20.0	90.0
227-G	0.1	100.0	560.0	210.0	85.0	467.0	4.2	153.0	104.0	17.0	71.0
426-G	0.2	155.0	1440.0	137.0	48.0	5030.0	4.5	152.0	101.0	22.0	94.0
418-J	0.1	301.0	452.0	168.0	36.0	39.0	5.4	159.0	106.0	12.0	67.0
MEAN	0.1	165.8	758.0	168.8	50.5	141.0	4.7	152.8	105.0	17.8	80.5
S.D.	0.05	93.4	458.1	30.5	23.9	240.7	0.51	4.9	3.0	4.3	11.4

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016676

TABLE 21.2

BIOCHEMISTRY

5 UG/KG - WEEK 5

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	UPTK ALTH (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLUC (MG/DL)
FEMALES												
646-E	17.0	1.0	156.0	0.1	30.0	16.0	7.5	3.7	9.7	3.5	1.0	3.4
701-E	15.0	1.1	155.0	0.1	48.0	126.0	7.7	4.1	10.3	3.7	1.3	3.6
683-F	16.0	1.3	152.0	1.2	43.0	99.0	7.6	4.4	10.0	2.8	1.4	3.2
695-F	16.0	0.9	177.0	0.5	28.0	47.0	6.7	4.4	11.5	4.8	1.8	3.3
839-H	14.0	1.0	169.0	0.3	41.0	41.0	7.3	4.0	9.1	3.4	1.2	3.4
284-I	14.0	1.3	187.0	0.9	24.0	26.0	7.7	4.2	11.5	3.5	1.2	3.5
309-I	13.0	1.0	170.0	0.1	28.0	27.0	7.4	3.8	10.8	4.4	1.1	3.4
624-I	15.0	1.1	197.0	0.1	36.0	50.0	7.9	4.2	11.0	4.4	1.1	3.7
MEAN	15.3	1.14	170.4	0.4	34.7	64.0	7.3	4.1	10.6	3.5	1.2	3.4
S.D.	1.3	0.15	16.1	0.43	8.6	28.2	0.44	0.27	0.77	0.86	0.14	0.14
MALES												
516-G	19.0	1.2	131.0	0.1	32.0	26.0	7.1	4.2	10.2	3.7	2.0	2.6
119-H	15.0	0.6	103.0	0.5	39.0	36.0	7.1	4.9	9.9	3.2	2.2	2.2
428-J	17.0	1.0	120.0	0.1	56.0	14.0	7.7	5.6	10.6	4.7	2.7	2.1
632-J	13.0	1.0	102.0	0.5	36.0	29.0	8.0	5.1	13.5	5.6	1.8	2.9
MEAN	16.0	0.99	114.0	0.3	40.7	12.3	7.5	5.1	10.3	4.3	2.2	2.4
S.D.	2.6	0.25	14.0	0.23	10.6	5.7	0.45	0.39	0.57	1.07	0.54	0.36

d INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016677

TABLE 28.3

BIOCHEMISTRY

5 UG/KG - WEEK 5

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (IU/ML)	LAC DEHYDRC (IU/ML)	TOT PROT (MG/DL)	TRIGLYC (MG/DL)	CPK (IU/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLOB FAST (MG/ML)
FEMALES											
646-E	0.1	102.0	310.0	158.0	77.0	147.0	4.2	154.0	112.0	11.0	56.0
701-E	0.1	103.0	460.0	146.0	86.0	58.0	4.4	150.0	108.0	18.0	54.0
483-I	0.1	136.0	467.0	202.0	92.0	61.0	5.0	151.0	112.0	16.0	52.0
605-I	0.1	121.0	368.0	151.0	115.0	35.0	5.9	152.0	114.0	8.0	62.0
839-H	0.1	140.0	570.0	141.0	90.0	566.0	3.8	146.0	107.0	21.0	46.0
284-I	0.1	195.0	192.0	116.0	106.0	19.0	5.8	150.0	113.0	23.0	57.0
309-I	0.1	170.0	240.0	153.0	130.0	21.0	5.2	154.0	110.0	18.0	74.0
624-I	0.1	125.0	640.0	135.0	101.0	401.0	5.1	155.0	111.0	17.0	72.0
MEAN	0.1	146.3	430.9	152.5	100.4	163.8	5.0	153.0	112.4	17.3	62.5**
S.D.	0.00	32.0	180.9	25.0	18.7	206.1	0.78	3.1	5.5	5.8	7.9
MALES											
516-G	0.1	144.0	620.0	195.0	48.0	54.0	3.9	151.0	102.0	24.0	56.0
119-H	0.1	160.0	565.0	165.0	36.0	53.0	4.9	150.0	107.0	19.0	50.0
478-J	0.1	171.0	800.0	168.0	54.0	125.0	4.4	154.0	103.0	20.0	71.0
432-J	0.1	287.0	620.0	224.0	22.0	69.0	4.9	155.0	106.0	19.0	65.0
MEAN	0.1	190.5	671.3	188.0	40.0	75.0	4.5	153.4	104.5	20.5	65.0
S.D.	0.00	65.1	141.6	27.5	14.1	33.4	0.48	1.8	2.5	2.4	15.6

** INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 21.4

BIOCHEMISTRY

25 UG/KG - MONTH 5

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
762-E	17.0	0.5	156.0	0.3	48.0	55.0	7.5	3.8	10.0	4.6	1.0	3.7
763-E	13.0	1.1	218.0	0.3	60.0	132.0	7.1	4.0	9.2	4.9	1.3	3.1
781-G	13.0	1.2	153.0	0.5	39.0	36.0	7.9	4.2	10.4	4.7	1.1	3.7
540-H	16.0	1.3	151.0	0.3	35.0	31.0	7.4	4.0	9.8	3.7	1.2	3.4
841-H	11.0	1.1	105.0	0.0	38.0	49.0	7.0	3.9	9.6	4.0	1.2	3.2
271-I	15.0	1.1	127.0	0.7	54.0	33.0	7.2	3.8	9.8	4.1	1.1	3.4
301-I	14.0	1.1	138.0	1.0	33.0	29.0	7.4	3.7	10.1	4.7	1.0	3.7
757-I	13.0	1.4	139.0	0.4	42.0	24.0	8.3	4.5	10.7	3.6	1.2	3.0
MEAN	14.0	1.1	148.4	0.4	43.6*	48.2	7.5	4.0	10.0	4.1	1.1	3.5
S.D.	1.9	0.27	32.7	0.30	9.5	35.2	0.43	0.27	0.48	0.52	0.11	0.24
MALES												
020-I	15.0	0.9	145.0	1.1	44.0	54.0	7.4	4.2	13.7	4.0	1.2	2.7
046-I	16.0	0.7	119.0	2.1	36.0	24.0	7.1	4.5	9.6	3.8	1.2	2.6
595-I	12.0	0.8	129.0	1.1	37.0	38.0	7.6	4.9	13.2	3.5	2.0	2.9
599-I	15.0	0.7	133.0	1.1	25.0	27.0	7.8	5.1	10.4	3.5	2.1	2.9
MEAN	14.5	0.8**	131.5	1.3**	35.5	40.7	7.5	4.8	10.2	3.7	1.9	2.8
S.D.	1.7	0.10	10.8	0.50	7.9	17.7	0.30	0.44	0.44	0.24	0.21	0.15

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016679

TABLE 21.5

BIOCHEMISTRY

25 UG/KG - 3-MONTHS

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT PROT (MG/DL)	TRIGLYC (MG/DL)	CPK (IU/L)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLOB RASO (MG/ML)
FEMALES											
762-E	0.1	140.0	920.0	176.0	81.0	35.0	3.9	147.0	107.0	28.2	46.0
783-E	0.1	76.0	960.0	201.0	80.0	46.0	3.9	149.0	104.0	26.0	51.0
201-G	0.1	113.0	755.0	165.0	63.0	62.0	4.2	146.0	105.0	20.0	47.0
540-H	0.1	95.0	840.0	200.0	63.0	31.3	4.2	147.0	106.0	20.3	68.0
841-H	0.1	191.0	301.0	171.0	66.0	149.0	4.2	146.0	109.0	17.0	81.0
233-I	0.1	156.0	930.0	212.0	76.0	95.0	4.5	144.0	104.0	18.0	67.0
107-I	0.1	85.0	880.0	196.0	141.0	45.0	4.9	151.0	113.0	16.0	88.0
157-I	0.1	194.0	730.0	220.0	112.0	40.3	4.9	151.0	108.0	17.0	80.0
MEAN	0.1	131.3	797.0**	192.6	82.8	59.9	4.39	147.6	108.3	17.8	65.6
S.D.	0.00	46.3	185.7	19.9	30.6	42.1	0.59	5.0	2.6	3.6	16.9
MALES											
020-I	0.1	150.0	795.0	190.0	50.0	56.3	5.7	153.0	109.0	14.0	66.0
046-I	0.1	92.0	780.0	216.0	55.0	24.3	4.4	141.0	103.0	18.0	47.0
595-I	0.1	134.0	535.0	190.0	64.0	51.0	4.4	144.0	102.0	26.0	56.0
599-I	0.1	120.0	461.0	181.0	79.0	31.3	4.3	152.0	104.0	21.0	63.0
MEAN	0.1	126.0	642.0	194.3	62.0	41.3	4.7	150.5	104.3	19.9	58.5
S.D.	0.00	27.6	170.0	15.1	12.7	15.7	0.67	2.4	3.2	5.1	10.7

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016680

TABLE 21.6

BIOCHEMISTRY

100 UG/KG - MONTH 5

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
157-F	12.0	1.1	130.0	0.1	53.0	96.0	7.1	3.7	10.1	3.6	1.1	3.4
226-F	15.0	1.2	152.0	1.1	58.0	130.0	7.0	3.9	9.9	3.5	1.0	3.5
486-H	16.0	1.4	120.0	0.6	45.0	44.0	7.7	4.1	10.7	2.3	1.3	3.4
269-I	9.0	1.0	158.0	1.8	34.0	43.0	7.6	4.2	11.6	4.2	1.2	3.4
287-I	14.0	1.3	144.0	0.6	56.0	98.0	7.4	4.1	10.1	3.7	1.2	3.3
312-I	15.0	1.2	109.0	0.4	28.0	26.0	6.2	3.4	10.1	3.6	1.1	3.6
335-I	15.0	1.2	110.0	0.2	51.0	47.0	7.1	4.6	9.6	2.3	1.9	2.5
770-I	11.0	1.0	140.0	0.2	34.0	35.0	7.7	3.7	9.7	3.5	0.9	4.0
MEAN	12.6	1.2	143.9*	0.6	44.9*	64.5	7.7	4.2	10.2	3.3	1.7	3.6
S.D.	3.4	0.14	24.1	0.57	11.5	37.7	0.35	0.56	0.65	0.68	0.17	0.27
MALES												
784-E	21.0	1.2	108.0	1.1	35.0	41.0	7.5	5.2	10.2	3.6	2.3	2.3
600-I	15.0	0.4	125.0	0.5	36.0	20.0	8.0	5.5	10.6	5.3	2.2	2.5
425-J	16.0	0.2	130.0	2.1	52.0	76.0	8.0	6.5	10.0	3.7	3.1	3.5
427-J	13.0	0.6	98.0	0.5	29.0	21.0	8.5	5.8	11.4	5.5	2.1	2.7
MEAN	16.3	0.6*	115.3	1.0	37.5	27.0	8.0	5.2	10.6	4.5	2.0	2.7
S.D.	3.4	0.43	14.9	0.75	10.0	9.7	0.41	0.54	0.81	1.01	0.46	0.53

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 21.7

BIOCHEMISTRY

100 UM/KG - MONTH 5

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (IU/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
152-F	0.1	130.0	430.0	281.0	127.0	4[illegible].0	4.4	148.0	112.0	14.0	54.0
226-F	0.1	161.0	475.0	220.0	143.0	166.0	4.7	151.0	112.0	17.0	60.0
486-H	0.1	134.0	445.0	246.0	116.0	56.0	5.0	155.0	117.0	18.0	70.0
269-I	0.1	201.0	221.0	267.0	279.0	33.0	5.9	151.0	109.0	16.0	78.0
287-I	0.1	267.0	235.0	211.0	200.0	114.0	4.3	157.0	118.0	15.0	75.0
312-I	0.1	131.0	264.0	183.0	73.0	29.0	4.2	148.0	109.0	23.0	70.0
338-I	0.1 *	145.0	465.0	223.0	116.0	64.0	4.6	150.0	108.0	20.0	88.0
770-I	0.1	128.0	246.0	192.0	70.0	5[illegible].0	5.2	152.0	112.0	17.0	66.0
MEAN	0.1	162.6	349.1	219.1**	136.3*	61.5	4.8	150.3	110.5	17.0	70.0
S.D.	0.00	48.8	117.1	27.3	56.0	46.2	0.56	2.6	3.7	2.9	9.1
MALES											
786-E	0.1	97.0	314.0	220.0	73.0	181.0	5.2	155.0	106.0	22.0	60.0
600-J	0.1	125.0	610.0	232.0	208.0	781.0	4.3	154.0	107.0	19.0	67.0
425-J	0.1	200.0	483.0	191.0	73.0	191.0	5.1	149.0	100.0	24.0	65.0
427-J	0.1	442.0	535.0	216.0	21.0	39.0	5.4	157.0	107.0	8.0	87.0
MEAN	0.1	216.0	485.5	214.8*	93.0	341.3	5.0	153.3	101.0	18.3	69.3
S.D.	0.00	156.8	125.7	17.2	80.0	321.8	0.48	3.9	3.1	7.1	12.6

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 22

BIOCHEMISTRY

CONTROL - MONTH 6

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	UREC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
764-E	16.0	1.4	148.0	0.1	23.0	47.[illegible]	7.7	4.1	[illegible]	4.4	1.7	[illegible]
087-F	17.0	1.7	160.0	1.8	36.0	30.[illegible]	6.5	3.6	5.2	3.3	1.[illegible]	2.9
200-F	16.0	1.4	191.0	2.5	26.0	15.0	3.0	3.7	11.6	4.3	0.9	4.3
274-I	10.0	1.6	180.0	0.2	15.0	61.0	9.1	5.7	12.1	5.1	1.7	3.4
569-H	15.0	1.4	161.0	0.1	36.0	80.0	4.1	4.6	10.7	3.2	1.1	3.5
578-H	14.0	1.4	147.0	0.8	33.0	53.0	5.9	4.2	10.1	5.1	1.6	2.7
604-I	13.0	1.3	156.0	0.1	26.0	23.[illegible]	7.4	4.5	10.1	3.7	1.5	3.0
618-I	18.0	1.2	143.0	0.2	32.0	71.0	6.9	3.4	10.6	2.6	1.0	3.5
MEAN	14.9	1.4	160.8	0.7	30.9	47.5	7.6	4.3	10.6	4.0	1.4	3.3
S.D.	2.5	0.16	16.8	0.93	5.1	23.1	0.85	0.75	0.91	0.91	0.31	0.51
MALES												
739-F	18.0	1.7	121.0	0.1	57.0	119.0	7.4	4.1	10.6	2.7	1.4	3.1
227-G	20.0	1.6	185.0	0.1	21.0	48.[illegible]	7.2	4.4	11.5	3.4	1.6	2.8
426-G	23.0	2.1	124.0	0.1	44.0	74.[illegible]	7.1	4.[illegible]	10.8	2.8	1.5	3.1
418-J	18.0	2.0	171.0	0.2	42.0	71.0	5.0	4.8	11.8	5.0	1.5	3.2
MEAN	19.8	1.8	150.3	0.1	41.0	78.0	7.5	4.4	11.2	3.5	1.5	3.0
S.D.	2.4	0.24	32.6	0.05	14.9	29.7	0.36	0.[illegible]	0.57	1.06	0.10	0.17

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016683

TABLE 22.1

BIOCHEMISTRY

CONTROL - MONTH 6

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT PROT (MG/DL)	ENDGLYC (MG/DL)	CPK (U/100/ML)	SERUM PHOS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	NON FAST (MG/DL)
FEMALES											
764-E	0.1	284.0	500.0	225.0	39.0	77.0	5.0	149.0	114.0	14.0	77.0
887-I	0.1	96.0	868.0	127.0	147.0	138.0	4.0	147.0	113.0	14.0	91.0
200-F	0.1	177.0	1374.0	211.0	177.0	57.0	5.2	159.0	113.0	25.0	90.0
276-I	0.1	213.0	317.0	132.0	65.0	77.0	4.8	141.0	104.0	14.0	64.0
560-H	0.1	141.0	666.0	149.0	91.0	60.0	4.4	155.0	111.0	17.0	94.0
578-H	0.1	161.0	944.0	171.0	51.0	50.0	4.7	151.0	114.0	15.0	64.0
604-I	0.1	151.0	514.0	126.0	48.0	60.0	4.4	148.0	110.0	23.0	76.0
618-I	0.1	152.0	720.0	171.0	115.0	150.0	4.2	147.0	110.0	15.0	.
MEAN	0.1	161.9	737.9	164.0	91.6	87.1	4.8	151.8	112.4	17.0	82.5
S.D.	0.00	37.0	328.1	38.0	50.6	37.1	0.89	5.5	1.8	4.1	15.4
MALES											
719-F	0.1	112.0	700.0	158.0	154.0	36.0	5.1	148.0	109.0	19.0	.
227-G	0.2	127.0	341.0	202.0	387.0	51.0	4.6	156.0	110.0	14.0	.
426-G	0.1	239.0	710.0	166.0	95.0	34.0	5.6	150.0	108.0	18.0	.
618-J	0.2	370.0	375.0	132.0	99.0	77.0	5.1	158.0	107.0	16.0	.
MEAN	0.1	212.0	531.5	164.5	183.0	111.3	5.1	153.0	108.5	17.0	.
S.D.	0.06	119.6	200.9	28.9	138.1	85.0	0.41	4.8	1.3	1.3	.

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 22.2

BIOCHEMISTRY

5 UG/KG - WEEK 6

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	LYMBES (MG/DL)	URIC ACID (MG/DL)	SGOT (U/L)	SGPT (U/L)	TOT PRO (G/DL)	ALB (G/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G (CALC)	GLOB (G/DL)
FEMALES												
644-E	15.0	1.2	150.0	0.2	26.0	46.[illegible]	7.6	3.8	9.7	5.1	[illegible]	3.9
701-F	20.0	1.3	169.0	0.2	45.0	70.0	8.1	4.9	10.3	6.6	[illegible]	[illegible]
693-F	15.0	1.6	194.0	0.2	37.0	56.0	7.8	5.1	10.5	6.1	[illegible]	2.7
605-F	16.0	1.6	182.0	0.2	25.0	43.0	8.3	4.6	11.2	6.3	[illegible]	3.7
839-H	18.0	1.2	161.0	0.1	31.0	117.0	7.4	4.1	9.7	2.3	[illegible]	3.3
784-I	15.0	1.5	180.0	0.1	17.0	21.0	6.9	4.0	11.4	5.1	[illegible]	3.3
809-I	13.0	1.2	155.0	0.1	23.0	175.0	7.3	3.7	10.6	6.1	[illegible]	3.7
624-I	17.0	1.2	167.0	0.1	39.0	45.0	7.6	4.4	10.8	5.2	[illegible]	3.2
MEAN	16.1	1.3	164.8	0.3	30.4	65.1	7.7	4.4	10.5	4.8	[illegible]	[illegible]
S.D.	2.7	0.16	11.9	0.38	9.4	47.1	0.34	0.56	0.55	0.98	0.30	[illegible]
MALES												
515-G	20.0	1.8	134.0	0.0	28.0	25.0	7.1	4.1	10.2	5.0	[illegible]	[illegible]
119-H	17.0	1.6	113.0	0.1	29.0	32.0	7.5	4.1	10.8	5.9	[illegible]	[illegible]
428-J	24.0	1.7	138.0	0.2	29.0	22.0	7.9	4.8	11.1	4.6	[illegible]	[illegible]
432-J	14.0	1.6	114.0	0.2	56.0	32.0	7.6	4.1	10.1	5.0	[illegible]	[illegible]
MEAN	18.4	1.6	124.8	0.1	35.5	30.0	7.6	4.3	10.6	4.1	[illegible]	[illegible]
S.D.	4.3	0.13	13.1	0.10	13.7	4.9	0.25	[illegible]	0.42	0.89	[illegible]	[illegible]

@ INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016685

TABLE 22.3

RETICULE ENTRY

5 UG/KG [illegible]

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT PROT (MG/DL)	TRIGLYC (MG/DL)	CPK (U/L)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/100)
FEMALES											
644-E	0.1	102.0	426.0	203.0	136.0	113.0	4.7	152.0	113.0	21.0	.
701-E	0.1	192.0	693.0	149.0	94.0	[illegible]	4.0	151.0	107.0	24.0	35.0
483-I	0.1	126.0	868.0	214.0	41.0	[illegible]	4.5	154.0	108.0	25.0	65.0
605-I	0.1	106.0	470.0	170.0	149.0	[illegible]	5.7	152.0	119.0	7.0	71.0
819-H	0.1	143.0	298.0	62.0	109.0	[illegible]	4.1	153.0	111.0	23.0	71.0
284-I	0.1	216.0	300.0	151.0	77.0	[illegible]	5.4	155.0	111.0	23.0	65.0
109-I	0.1	160.0	317.0	270.0	154.0	[illegible]	5.2	153.0	111.0	21.0	.
674-I	0.1	117.0	956.0	148.0	84.0	[illegible]	5.2	155.0	117.0	12.0	62.0
MEAN	0.1	145.3	542.0	170.9	105.5	[illegible]	4.8	153.6	112.1	19.5	58.4
S.D.	0.00	41.6	263.0	60.9	39.2	[illegible]	0.62	1.8	4.1	6.5	15.2
MALES											
516-G	0.1	137.0	745.0	199.0	110.0	[illegible]	3.7	146.0	103.0	24.0	.
119-H	0.1	148.0	421.0	175.0	157.0	[illegible]	4.8	152.0	105.0	22.0	.
428-J	0.1	197.0	1170.0	195.0	152.0	[illegible]	4.2	153.0	104.0	19.0	.
432-J	0.1	242.0	1245.0	303.0	101.0	[illegible]	4.1	150.0	104.0	16.0	.
MEAN	0.1	181.0	895.3	218.0	130.0	[illegible]	4.29	157.0	104.0**	20.3	.
S.D.	0.00	48.3	385.3	57.6	28.6	[illegible]	0.45	5.3	0.0	3.5	.

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 22.4

BIOCHEMISTRY

25 WEEK - SCHEDULE A

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/ML)	URIC ACID (MG/ML)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	SERUM GLOB (GM/DL)
FEMALES												
762-F	17.0	1.2	149.0	0.1	46.0	52.[illegible]	6.6	4.1	10.0	3.7	1.9	2.1
763-E	14.0	1.2	191.0	0.2	35.0	151.[illegible]	6.8	3.9	[illegible]	4.4	1.3	2.9
281-G	14.0	1.1	146.0	0.1	30.0	46.0	7.7	4.1	10.0	4.7	1.1	3.6
560-H	15.0	1.3	145.0	0.2	26.0	65.[illegible]	7.5	4.0	9.8	4.9	1.1	3.5
841-H	13.0	1.0	108.0	0.1	28.0	41.0	7.1	4.0	10.2	4.6	1.3	3.1
271-I	17.0	1.4	150.0	0.1	68.0	59.[illegible]	7.4	4.0	9.8	4.6	1.2	3.4
307-I	17.0	1.2	131.0	0.2	27.0	20.0	6.4	3.7	10.0	5.0	1.6	2.5
757-I	16.0	1.4	135.0	0.1	28.0	21.0	8.2	4.5	11.0	3.8	1.2	3.7
MEAN	15.4	1.2*	144.4	0.1	36.0	56.[illegible]	7.2	4.1	10.0	4.5	1.3	3.1
S.D.	1.6	0.14	23.4	0.05	14.5	41.[illegible]	0.60	0.21	0.44	0.68	0.28	0.92
MALES												
020-I	16.0	1.5	145.0	0.0	33.0	58.0	6.9	3.0	10.2	2.8	1.7	1.1
046-I	17.0	1.6	132.0	0.1	25.0	30.0	7.0	3.9	9.4	2.6	1.2	1.7
595-I	12.0	1.6	130.0	0.0	61.0	115.[illegible]	7.9	4.0	10.2	3.1	1.0	3.0
599-I	17.0	2.0	139.0	0.2	26.0	38.[illegible]	7.6	4.1	10.3	3.2	1.1	3.1
MEAN	15.5*	1.7	136.5	0.1	36.7	60.[illegible]	7.4	3.8	10.10	2.9	1.2**	1.4
S.D.	2.4	0.22	6.9	0.10	17.9	38.[illegible]	0.44	0.56	[illegible].58	0.41	0.33	[illegible].36

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016687

TABLE 22.5

BIOCHEMISTRY

25 MG/KG - MONTH 6

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (IU/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CHZ (MEQ/L)	GAM GAST (MG/ML)
FEMALES											
762-F	0.1	136.0	1160.0	189.0	88.0	45.0	4.2	150.0	113.0	17.0	50.0
763-E	0.1	65.0	720.0	178.0	115.0	41.0	4.5	149.0	108.0	23.0	.
781-G	0.1	116.0	720.0	205.0	58.0	72.0	4.7	154.0	109.0	24.0	.
540-H	0.1	113.0	575.0	180.0	52.0	72.0	4.7	150.0	107.0	19.0	.
651-H	0.1	191.0	490.0	231.0	102.0	45.0	5.3	149.0	112.0	19.0	.
273-I	0.1	146.0	1005.0	249.0	103.0	1610.0	5.3	144.0	109.0	13.0	.
307-I	0.1	74.0	940.0	255.0	122.0	42.0	5.0	151.0	116.0	16.0	28.0
757-I	0.1	152.0	845.0	83.0	88.0	44.0	5.5	153.0	109.0	29.0	.
MEAN	0.1	124.1	806.9	195.3	91.0	249.1	4.9	149.1	109.9	19.1	39.0
S.D.	0.00	41.5	224.4	55.2	25.7	598.1	0.45	2.6	3.6	3.2	5.7
MALES											
020-I	0.1	180.0	475.0	196.0	175.0	42.0	4.2	157.3	108.0	21.0	.
944-I	0.1	86.0	470.0	210.0	252.0	1660.0	3.7	145.0	102.0	20.0	.
595-I	0.1	164.0	385.0	166.0	109.0	43.0	4.1	149.0	104.0	24.0	.
599-I	0.1	130.0	365.0	221.0	225.0	52.0	3.9	149.0	104.0	16.0	.
MEAN	0.1	140.0	423.3	197.8	185.3	549.3	4.04*	146.5*	104.5*	20.3	.
S.D.	0.00	41.6	57.4	23.9	56.8	817.2	0.27	1.9	2.5	3.3	.

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 22.6

BIOCHEMISTRY

100 UG/KG MONTH 6

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLUP (GM/DL)
FEMALES												
152-F	13.0	1.2	134.0	0.1	30.0	40.0	7.1	3.3	9.8	3.8	1.2	3.3
276-F	18.0	1.3	158.0	0.2	53.0	93.0	7.7	3.5	9.4	4.0	1.0	3.0
486-H	13.0	1.5	123.0	0.2	31.0	67.0	8.1	5.2	10.7	3.7	1.9	2.5
269-I	8.0	0.9	134.0	0.1	32.0	53.0	7.3	4.1	10.6	4.1	1.3	3.2
287-I	14.0	1.1	140.0	0.0	31.0	97.0	7.0	3.9	9.5	4.1	1.3	3.1
312-I	15.0	1.1	171.0	0.1	19.0	39.0	7.2	4.3	9.8	3.3	1.5	2.9
338-I	12.0	1.3	117.0	0.0	41.0	56.0	7.8	3.8	9.7	2.9	1.0	4.0
770-I	13.0	1.1	156.0	0.0	20.0	33.0	8.1	3.9	10.5	3.2	0.9	4.2
MEAN	13.9	1.2*	141.6*	0.1	32.1	66.0	7.5	4.1	10.0	3.7	1.2	3.3
S.D.	3.3	0.18	18.6	0.08	11.0	24.9	0.44	0.47	0.52	0.61	0.30	0.50
MALES												
756-I	26.0	2.4	135.0	0.3	29.0	38.0	7.1	4.3	10.4	4.4	1.5	2.8
600-I	17.0	1.6	137.0	0.1	27.0	25.0	7.3	4.5	11.2	3.9	1.6	2.8
425-J	20.0	1.5	147.0	0.1	30.0	20.0	7.7	4.2	10.9	4.0	1.2	3.5
427-J	14.0	1.6	117.0	0.5	33.0	41.0	8.6	4.7	12.2	6.5	1.2	3.5
MEAN	19.3	1.8	134.0	0.2	29.7	31.0*	7.7	4.4	11.2	4.7	1.4	3.2
S.D.	5.1	0.42	12.5	0.19	2.5	10.1	0.67	0.22	0.76	1.22	0.21	0.54

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016689

TABLE 22.7

[illegible]

100 MG/KG - MONTH 6

ANIMAL NUMBER	BUT DEL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT PROT (MG/DL)	TRIGLYC (MG/DL)	CPK (IU/L)	SERUM PUTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLOB LASS (MG/ML)
FEMALES											
152-I	0.1	121.0	431.0	330.0	83.0	[illegible]	4.6	150.0	112.0	21.0	.
226-I	0.1	155.0	845.0	265.0	118.0	[illegible]	5.4	147.0	102.0	8.0	.
486-H	0.1	180.0	316.0	229.0	99.0	[illegible]	5.2	152.0	116.0	15.0	76.0
269-I	0.1	239.0	446.0	260.0	95.0	[illegible]	5.5	150.0	109.0	20.0	.
287-I	0.1	260.0	227.0	191.0	129.0	[illegible]	4.5	147.0	104.0	20.0	.
317-I	0.1	124.0	466.0	263.0	93.0	[illegible]	4.3	146.0	106.0	21.0	.
538-I	0.1	146.0	845.0	238.0	89.0	[illegible]	4.6	147.0	107.0	14.0	.
770-I	0.1	136.0	280.0	267.0	64.0	[illegible]	4.2	154.0	114.0	16.0	.
MEAN	0.1	170.1	482.0	249.6**	91.3	[illegible]	5.0	150.0	110.5	17.0	76.0
S.D.	0.00	52.7	239.4	40.4	25.3	[illegible]	0.65	4.5	3.5	4.7	.
MALES											
706-E	0.1	124.0	364.0	249.0	165.0	[illegible]	5.5	149.0	111.0	10.0	.
600-I	0.2	147.0	461.0	269.0	598.0	[illegible]	4.8	151.0	109.0	19.0	.
425-J	0.1	175.0	705.0	250.0	112.0	[illegible]	4.4	156.0	101.0	20.0	.
427-J	0.1	438.0	570.0	243.0	92.0	[illegible]	5.1	157.0	112.0	5.0	.
MEAN	0.1	221.0	525.0	251.8**	239.8	[illegible]	4.9	150.8	108.3	12.3	.
S.D.	0.05	146.2	146.6	9.4	235.5	[illegible]	0.47	4.6	5.0	4.7	.

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016690

TABLE 23

BIOCHEMISTRY

CONTROL [illegible] A

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
265-E	15.7	1.1	142.0	0.1	62.0	20.	7.1	3.7	9.3	6.2	1.1	3.4
087-F	18.0	1.6	154.0	0.1	66.0	11.	6.8	3.3	9.1	7.7	1.0	3.5
290-F	16.0	1.2	192.0	0.1	80.0	20.[illegible]	7.9	3.5	10.3	6.3	0.8	4.4
276-F	12.0	1.5	191.0	0.3	72.0	54.	8.4	4.5	10.4	5.1	1.2	3.7
569-H	16.0	1.4	167.0	0.3	52.0[A]	26.[illegible]	8.3	4.5	10.8	4.6	0.9	4.3
528-H	12.0	1.4	180.0	0.1	83.0	53.[illegible]	7.6	4.0	10.4	4.3	1.1	3.4
604-J [illegible]	13.0	1.1	164.0	0.1	36.0	24.[illegible]	7.1 [illegible]	3.8	9.3	7.9	1.2	3.3 [illegible]
618-J	14.0	1.2	173.0	0.2	57.0	78.[illegible]	7.4	3.6	9.4	5.8	0.8	3.8
MEAN	14.5	1.3	170.6	0.2	63.5	35.[illegible]	7.6	3.8	9.8	5.0	1.0	3.8
S.D.	2.1	0.19	17.3	0.09	15.4	23.[illegible]	0.60	0.37	0.56	0.87	0.16	0.39
MALES												
239-F	15.0	1.5	188.0	0.4	54.0[A]	83.0[A]	7.3	3.9	9.2	3.4	1.2	3.3
227-G	22.0	1.6	174.0	0.7	28.0	24.[illegible]	7.4	4.1	10.[illegible]	4.1	1.2	3.3
426-G	24.0	1.9	199.0	0.8	40.0	72.[illegible]	7.7	4.0	9.7	3.6	1.1	3.7
618-J	27.0	1.8	168.0	0.2	58.0	67.0	8.0	4.4	10.0	5.8	1.2	3.6
MEAN	21.0	1.7	151.0	0.3	45.0	61.[illegible]	7.6	4.1	9.8	4.2	1.2	3.7
S.D.	5.3	0.18	25.5	0.30	13.7	25.[illegible]	0.42	0.22	0.63	1.09	0.05	0.20

A INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016691

TABLE 23.1

BIOCHEMISTRY

CONTROL MONTH 6

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT PROT (MG/DL)	TRIGLYC (MG/DL)	UREA (MG/DL)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC (MG/DL)
FEMALES											
764-E	0.1	181.0	1970.0Δ	207.0	28.0	54.0	4.9	149.0	112.0	15.0	94.0
887-F	0.1	137.0	1530.0Δ	144.0	217.0Δ	101.0Δ	4.2	150.0	110.0	16.0	95.0
708-I	0.1	164.0	2040.0Δ	273.0	137.0	44.0	5.2	152.0	114.0	14.0	93.0
276-F	0.1	173.0	735.0	143.0	54.0	42.0	4.8	157.0	107.0	17.0	84.0
569-H	0.1	130.0	1920.0Δ	137.0	96.0	104.0Δ	4.5	155.0	112.0	16.0Δ	72.0
578-H	0.1	129.0	1640.0Δ	144.0	119.0	73.0Δ	4.4	150.0	115.0	22.0	92.0
604-I (I)	0.1	139.0 ø	516.0	190.0	60.0 ø	31.0	3.6	146.0	106.0	22.0	80.0 ø
618-I	0.2	133.0	1590.0Δ	189.0	48.0	218.0	3.7	151.0	113.0	16.0	69.0
MEAN	0.1	149.6	1496.9	178.4	99.9	103.6	4.4	152.3	111.1	16.4	84.1
S.D.	0.04	22.3	570.8	46.8	65.1	147.2	0.53	4.1	3.2	3.5	16.7
MALES											
739-F	0.2	182.0	693.0	209.0	36.0	256.0	3.9	153.0	109.0	22.0	73.0
227-G	0.1	99.0	433.0	179.0	80.0	222.0	4.0	155.0	112.0	16.0	75.0
476-G	0.1	152.0	657.0	185.0	53.0	189.0	4.0	160.0	113.0	23.0	53.0
618-J	0.2	241.0	678.0	185.0	63.0	241.0Δ	4.8	154.0	109.0	15.0	76.0
MEAN	0.1	151.0	615.3	189.5	53.0	186.4	4.1	155.5	110.8	19.0	59.0
S.D.	0.06	64.1	122.4	13.1	19.3	104.5	0.44	3.1	2.1	4.1	24.9

ø INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016692

TABLE 23.2

BIOCHEMISTRY

5 UG/KG - WEEK 8

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
646-E	13.0	0.9	155.0	0.1	39.0	31.[illegible]	7.4	3.5	8.9	2.7	0.9	3.9
701-E	18.0	1.3	146.0	0.2	80.0	243.3[a]	7.5	4.2	9.8	3.4	1.1	3.3
483-F	13.0	1.4	162.0	0.2	52.0	92.0	7.7	4.2	9.9	2.7	1.2	3.5
605-F	14.0	1.6	172.0	0.2	36.0	55.0	7.6	3.9	9.6	3.1	1.1	3.7
839-H	15.0	1.0	167.0	0.1	43.0	88.0	7.1	3.6	9.0	2.0	1.0	3.5
284-I	16.0	1.3	179.0	0.1	37.0	38.0	7.7	3.8	10.0	4.3	1.0	3.9
309-I	13.0	1.0	149.0	0.1	38.0	116.0[a]	7.4	3.6	5.8	3.8	1.0	3.8
624-I	15.0	1.2	190.0	0.2	56.0	53.0	7.9	3.8	10.[illegible]	4.8	0.9	4.1
MEAN	14.6	1.2	165.0	0.1	47.6	89.[illegible]	7.5	3.8	9.7	3.3	1.0	3.7
S.D.	1.8	0.24	15.1	0.05	15.0	68.[illegible]	0.24	0.27	0.52	0.88	0.14	0.26
MALES												
516-G	19.0	1.6	151.0	0.0	33.0	20.0	7.5	3.7	9.5	3.6	1.0	3.6
119-H	15.0	1.3	128.0	0.1	37.0	26.[illegible]	7.4	3.9	9.6	4.8	1.1	3.5
429-J	22.0	1.6	149.0	0.1	39.0	29.[illegible]	8.0	4.4	10.0	5.1	1.2	3.6
437-J	17.0	1.0	148.0	0.1	37.0	30.[illegible]	8.1	4.2	10.1	4.4	1.1	3.7
MEAN	18.3	1.6	144.5	0.1	36.5	24.[illegible]	7.7	4.0	9.8	4.5	1.1	3.7
S.D.	3.0	0.21	11.2	0.05	2.5	4.[illegible]	0.35	0.31	0.26	0.65	0.08	0.18

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016693

TABLE 23.3

BIOCHEMISTRY

5 UG/KG - MONTH 4

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT TRIGL (MG/DL)	TRIGLYC (MG/DL)	CPK (U/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/ML)
FEMALES											
446-E	0.1	95.0	1300.0[A]	152.0	142.0	[illegible]	3.7	151.0	116.0	16.0	93.0
781-E	0.2	170.0	702.0	163.0[A]	160.0	[illegible]	3.2	154.0	107.0	23.0	33.0[A]
483-F	0.1	113.0	642.0	203.0[A]	107.0	[illegible]	3.8	156.0	109.0	21.0	67.0
605-F	0.1	95.0	430.0	191.0	231.0	[illegible]	3.2	146.0	110.0	17.0	71.0
859-H	0.1	111.0	714.0	196.0	136.0	[illegible]	4.0	157.0	116.0	17.0	96.0
284-I	0.1	176.0	499.0	163.0	136.0	[illegible]	5.5	156.0	120.0	15.0	93.0
309-I	0.1	150.0	524.0	173.0	167.0	[illegible]	3.9	152.0	110.0	26.0	96.0
626-I	0.2	121.0	1590.0[A]	158.0	117.0	[illegible]	4.6	156.0[A]	116.0	19.0	64.0
MEAN	0.1	128.9	875.1[9]	172.4	149.5	[illegible]	4.0	154.4	113.0	18.5	73.0
S.D.	0.05	32.3	486.1	22.1	38.6	[illegible]	0.76	2.5	4.6	2.7	13.8
MALES											
516-G	0.1	113.0	496.0	209.0	54.0	[illegible]	4.0	154.0	108.0	24.0	62.0
119-H	0.2	130.0	480.0	168.0	56.0	[illegible]	4.7	155.0	111.0	22.0	63.0
428-J	0.1	142.0	1920.0[A]	188.0	19.0	[illegible]	4.8	158.0	109.0	23.0	50.0[A]
432-J	0.2	162.0	1560.0[A]	112.0[A]	33.0	[illegible]	4.6	156.0	110.0	19.0	69.0
MEAN	0.1	136.8	1109.0	219.3	40.3	[illegible]	4.5	156.0	109.5	22.0	90.8
S.D.	0.04	20.6	735.7	64.1	18.1	[illegible]	0.36	1.6	1.1	2.2	17.8

9 INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016694

TABLE 23.4

BIOCHEMISTRY

25 UG/KG - MONTH 6

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	UREC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
762-E	18.0	1.1	50.0	0.8	45.0	32.0	7.0	3.6	9.7	4.0	1.1	3.4
763-E	14.0	1.3	221.0	1.1	64.0A	114.0A	7.1	4.0	9.3	4.9	1.3	3.1
201-G	16.0	1.1	146.0	0.9	46.0	49.0	7.5	3.8	9.5	4.4	1.0	3.7
540-H	15.0	1.0	137.0	1.3	40.0	39.0	7.3	3.6	9.0	3.3	1.0	3.7
841-H	16.0	1.1	98.0	1.0	47.0	48.0	6.8	3.7	9.5	4.0	1.2	3.1
273-I	17.0	1.3	138.0	0.0	64.0	37.0	7.4	3.7	9.7	3.6	1.0	3.7
307-I	16.0	1.2	123.0	0.7	84.0	26.0	7.0	3.6	9.6	4.5	1.1	3.4
757-I	16.0	1.5	144.0	0.8	42.0	15.0	8.0	4.2	10.3	3.9	1.1	3.8
MEAN	16.0	1.2	132.1	0.8*	47.7*	45.0	7.3	3.8	9.5	4.1	1.1	3.5
S.D.	1.2	0.16	48.2	0.38	10.8	30.9	0.38	0.22	0.38	0.51	0.11	0.28
MALES												
020-I	13.0	1.5	161.0	0.0	35.0	90.0	7.5	3.9	9.8	3.7	1.1	3.6
046-I	12.0	1.0	148.0	0.5	28.0	12.0	7.9	4.1	11.5A	5.1A	1.0	3.7
595-J	14.0	1.6	169.0	0.0	35.0	50.0	8.5	4.1	9.8	4.1	0.9	4.6
599-I	19.0	2.0	149.0	0.0	30.0	41.0	8.3	4.1	9.6	3.4	1.1	4.0
MEAN	14.5	1.7	156.8	0.1	32.0	38.0	8.0	4.1	10.2	4.1	1.0	3.5
S.D.	3.1	0.22	10.1	0.25	3.6	18.0	0.44	0.16	0.89	0.75	0.10	0.34

A INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 23.5

BIOCHEMISTRY

25 UG/KG - MONTH 6

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (IU/ML)	LAC DEHYDRO (IU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (IU/L/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
762-E	0.1	129.0	1690.0[A]	188.0	90.0	365.0	3.8	139.0	112.0	21.0	77.0
763-E	0.1	11.0	1700.0[A]	217.0	89.0	94.0[A]	3.3	155.0	108.0	25.0	95.0
781-G	0.1	108.0	1280.0[A]	188.0	38.0	336.0	4.2	151.0	110.0	22.0	69.0
540-H	0.1	98.0	1500.0[A]	243.0	37.0	161.0	3.1	148.0	108.0	22.0	90.0
841-H	0.1	191.0	1670.0[A]	225.0	47.0	25.0	5.4	158.0	119.0	15.0	69.0
271-I	0.1	150.0	1320.0[A]	176.0[A]	75.0	50.0	4.1	152.0	113.0	16.0	61.0
307-I	0.1	72.0	500.0	202.0[A]	100.0	48.0	3.9	156.0	113.0	20.0	70.0
757-I	0.1	157.0	500.0	302.0	79.0	71.0	5.6	159.0[A]	116.0	11.0	78.0
MEAN	0.1	122.0	1265.0	217.6	69.4	144.6	4.2	154.8	112.6	18.8	52.2
S.D.	0.00	62.6	448.6	40.9	25.1	133.8	0.90	5.1	3.8	4.8	16.5
MALES											
020-I	0.2	155.0	500.0	156.0	49.0	7.0	4.4	157.0	109.0	21.0	57.0
046-I	0.1	83.0	332.0	221.0	63.0	21.0	4.5	156.0	107.0	31.0	85.0
595-I	0.1	165.0	380.0	177.0	54.0	28.0	4.8	160.0	111.0	21.0	54.0
599-I	0.1	96.0	304.0	209.0	78.0	48.0	4.9	156.0	119.0	11.0	77.0
MEAN	0.1	124.8	379.0[A]	190.8	61.0	26.3[A]	4.6	157.0	111.5	16.5	67.0
S.D.	0.05	41.3	86.6	29.7	12.7	14.9	0.24	2.2	5.3	5.1	14.4

A INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016696

TABLE 23.6

BIOCHEMISTRY

100 UG/KG - MONTH 6

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (IU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	LAP (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
152-1	16.0	1.4	121.0	0.4	48.0	77.0	7.0	3.5	9.4	2.9	1.0	3.5
226-1	16.0	1.3	145.0	0.3	49.0	46.0	7.4	3.6	9.0	3.7	1.0	3.8
486-H	16.0	1.6	107.0	0.9	44.0	31.0	7.2	3.8	9.1	3.8	1.1	3.4
269-1	8.0	1.3	128.0	0.6	38.0	51.0	8.0	4.3	11.1	4.9	1.2	3.7
287-1	11.0	1.4	143.0	0.3	32.0	54.0	7.2	3.9	9.7	4.0	1.2	3.3
312-1	16.0	1.5	203.0	0.2	32.0	21.0	7.7	4.4	10.1	4.7	1.1	3.3
338-1	15.0	1.4	111.0	0.1	53.0	43.0	7.6	3.7	9.1	2.3	1.0	3.9
778-1	14.0	1.1	136.0	0.3	48.0	46.0	7.7	3.7	9.0	4.2	1.0	4.0
MEAN	14.0	1.4	136.8*	0.4*	43.0**	46.1	7.5	3.9	9.6	3.7	1.1	3.5
S.D.	3.0	0.15	30.2	0.25	8.1	16.5	0.33	0.32	0.73	0.92	0.12	0.34
MALES												
796-C	23.0	2.3	132.0	0.1	49.0	72.0	7.4	4.1	9.5	3.1	1.2	3.3
600-I	11.0	1.7	153.0	0.0	29.0	10.0	8.2	4.7	11.4	3.7	1.3	3.5
425-J	18.0	1.4	172.0	0.1	35.0	15.0	8.3	4.8	9.9	4.1	1.4	4.0
427-J	22.0	1.8	180.0	0.0	33.0	42.0	8.6A	5.0A	12.1A	7.0A	1.4A	3.6A
MEAN	18.5	1.8	159.3	0.0	36.0	34.5	8.0	4.4	10.7	4.5	1.2	3.6
S.D.	5.4	0.37	28.4	0.06	8.9	28.7	0.50	0.46	1.23	1.71	0.17	0.27

A INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016697

TABLE 23.7

BIOCHEMISTRY

100 UG/KG - MONTH 6

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (IU/L)	SERUM PHTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
152-F	0.1	131.0	604.0	101.0Δ	98.0	[illegible]	5.2	157.0	119.0	18.0	59.0
226-F	0.1	139.0	562.0	283.0Δ	103.0	[illegible]	4.5	154.0	117.0	16.0	65.0
486-H	0.1	184.0	500.0	212.0	63.0	[illegible]	4.1	156.0	114.0	18.0	62.0
269-I	0.1	230.0	518.0	261.0	115.0	[illegible]	5.5	153.0	116.0	18.0	46.0
287-I	0.1	195.0	252.0	358.0	137.0	[illegible]	4.3	158.0	111.0	20.0	61.0
312-I	0.1	119.0	554.0	222.0	79.0	[illegible]	3.5	158.0	111.0	21.0	64.0
338-I	0.1	122.0	940.0	239.0Δ	95.0	[illegible]	3.5	156.0	111.0	22.0	78.0
770-I	0.1	116.0	510.0	218.0Δ	77.0	[illegible]	4.7	155.0	109.0	11.0	74.0
MEAN	0.1	154.6	555.0**	239.3*	95.9	[illegible]	4.4	156.7*	115.8*	18.0	67.5
S.D.	0.00	42.5	188.6	53.9	23.4	[illegible]	0.72	2.9	3.5	3.4	11.5
MALES											
78A-F	0.3	119.0	336.0	289.0Δ	75.0	[illegible]	6.5	159.0	120.0	11.0	72.0
600-I	0.1	90.0	298.0	265.0	229.0Δ	[illegible]	5.2	157.0	114.0	19.0	69.0
425-J	0.1	148.0	323.0	211.0	27.0	[illegible]	5.1	155.0	116.0	23.0	69.0
427-J	0.1	204.0	280.0	267.0	53.0	[illegible]	4.5Δ	157.0	111.0	15.0	90.0
MEAN	0.1	140.3	308.0**	258.0**	91.0	[illegible]	5.4	156.0	112.9	17.0	75.0
S.D.	0.10	48.7	23.4	39.2	94.4	[illegible]	0.83	1.7	5.9	5.2	10.1

Δ INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016698

TABLE 24

BIOCHEMISTRY

CONTROL - MONTH 10

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
366-E (2)	8.0	1.1	70.0	0.1	33.0	19.0	6.9 a	4.4	9.7	5.3	1.8	2.5 a
087-I (1)	17.0	1.6	155.0	1.1	92.0	30.0	7.3 a	4.1	9.5	3.5	1.4	2.8 a
208-F (1)	14.0	1.3	189.0	0.2	76.0	46.0	8.9 a	4.2	11.6	4.8	1.1	3.8 a
276-F (2)	7.0	1.1	121.0	0.1	76.0	44.0	7.7 a	4.8	10.2	4.8	1.7	2.9 a
569-H	13.0	1.9	162.0	0.6	67.0	41.0	8.0	4.8	10.4	5.3	1.5	3.2
578-H (2)	15.0	1.4	140.0	0.2	48.0	43.0	7.6 a	5.2	11.5	5.5	2.2	2.4 a
604-I (3)	10.0	1.3	83.0	1.7	68.0	27.0	6.9 a	4.2	10.0	5.3	1.6	2.7 a
618-I (2)	11.0	1.3	119.0	0.6	104.0	66.0	7.2 a	4.4	9.8	5.7	1.6	2.8 a
MEAN	11.9	1.3	130.6	0.6	70.7	39.4	8.0	4.5	10.1	5.0	1.6	3.1
S.D.	3.5	0.18	39.9	0.57	23.0	15.0	*	0.38	0.60	0.69	0.32	*
MALES												
227-G	20.0	1.4	182.0	0.1	75.0 a	44.0	7.4	4.1	10.0	4.4	1.2	3.3
426-G	12.0	1.9	99.0	1.0	49.0	52.0	7.4	4.0	9.5	2.6	1.2	3.4
739-I	22.0	1.4	101.0	0.6	59.0	72.0 a	7.4	4.1	10.5	4.4	1.2	3.3
610-J	23.0	1.8	160.0	0.4	65.0	66.0	8.0	4.7	12.2	4.1	1.4	3.3
MEAN	24.3	1.6	135.5	0.5	62.0	58.5	7.5	4.2	10.5	3.9	1.2	3.1
S.D.	4.3	0.26	42.0	0.30	10.9	12.8	0.30	0.32	1.17	0.91	0.13	0.05

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 24.1

BIOCHEMISTRY

CONTROL - MONTH 18

ANIMAL NUMBER	TOT PIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRC (MU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (UIU/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
764-F (2)	0.1	114.0 B	928.0	132.0	37.0 B	33.0	4.8	150.0	111.0	19.0	24.0 B
887-F (1)	0.1	112.0 B	948.0A	187.0	170.0 B	18.0A	3.1	148.0	112.0	11.0	69.0 B
900-F (1)	0.2	159.0 B	1728.0A	237.0	121.0 B	302.0	5.4	152.0	116.0	11.0	49.0 B
279-F (2)	0.1	97.0 B	1284.0A	128.0	23.0 B	31.0A	4.2	144.0	102.0	16.0	59.0 B
569-H	0.2	124.0	938.0A	159.0	71.0	44.0A	4.4	152.0	109.0	14.0	89.0
578-H (2)	0.2	96.3 B	892.0	153.0	18.0 B	6.0	4.6	152.0	114.0	12.0	41.0 B
504-I (3)	0.2	100.0 B	880.0	193.0	17.0 B	22.0A	3.8	146.0	106.0	14.0	84.0 B
618-I (2)	0.1	97.0 B	1085.0A	170.0	19.0 B	417.0A	3.7	156.0	108.0	19.0	36.0 B
MEAN	0.2	124.0	1082.4	159.9	71.0	180.1	4.2	149.3	109.8	14.5	89.0
S.D.	0.07	.	270.7	41.0	.	158.6	0.72	3.0	4.5	3.3	.
MALES											
739-F	0.2	80.0	120.0	227.0	37.0	364.0	4.3	150.0	108.0	22.0	40.0
227-H	0.2	93.0	785.0A	242.0	60.0	421.0A	3.2	150.0	110.0	13.0	64.0
426-H	0.2	105.0	356.0	258.0	63.0	0.0	4.0	152.0	108.0	25.0	36.0
418-J	0.2	201.0	288.0	227.0	126.0	274.0	4.7	158.0	114.0	12.0	49.0
MEAN	0.2	119.8	492.3	239.8	71.5	264.8	4.0	152.5	110.4	18.0	54.3
S.D.	0.00	55.1	345.4	20.7	38.1	186.6	0.64	3.8	2.8	6.5	7.4

B INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016700

TABLE 24.2

BIOCHEMISTRY

5 UG/KG - MONTH 10

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
644-E (2)	11.0	1.3	174.0	0.1	30.0	26.0	7.8 a	4.8	10.0	4.9	1.6	3.0 a
701-E (1)	13.0	1.3	156.0	0.7	69.0	84.0	7.4 a	5.4	10.0	4.5	2.7	2.0 a
683-I	12.0	1.5	159.0	0.8	52.0	29.0	7.9	5.1	10.3	3.6	1.8	2.8
605-I (2)	8.0	1.3	122.0	0.7	44.0	19.0	7.3 a	4.1	10.0	4.5	1.3	3.2 a
859-II	14.0	1.1	163.0	0.9	38.0	56.0	7.2	4.6	9.8	3.1	1.8	2.6
204-I	14.0	1.6	204.0	0.1	39.0	21.0	7.9	5.0	10.4	4.8	1.7	2.9
309-I	10.0	1.3	166.0	0.7	76.0	50.0	7.7	4.6	9.9	4.3	1.5	3.1
624-I (2)	11.0	1.2	104.0	0.7	51.0	11.0	7.0 a	4.0	10.1	4.5	1.1	3.0 a
MEAN	12.1	1.3	155.8	0.6	50.9	36.8	7.7	4.7	10.1	4.39	1.7	2.9
S.D.	2.1	0.16	30.7	0.36	14.5	24.2	0.33	0.48	0.31	0.62	0.45	0.23
MALES												
516-G	24.0	1.8	132.0	0.1	55.0	38.0	7.7	4.0	10.1	4.8	1.1	3.7
119-H	18.0	1.2	88.0	0.1	51.0	40.0	7.2	3.9	9.1	3.4	1.2	3.1
428-J	29.0	1.6	124.0	0.5	55.0	34.0	8.0	4.6	11.1	3.5	1.4	3.6
432-J	17.0	1.7	100.0	0.2	54.0	43.0	8.1	4.3	10.0	4.7	1.1	3.6
MEAN	22.0	1.6	111.0	0.2	53.7	38.0*	7.7	4.2	10.1	4.1	1.2	3.5
S.D.	5.6	0.26	20.5	0.10	1.9	3.8	0.40	0.32	0.82	0.75	0.14	0.26

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 24.3

BIOCHEMISTRY

5 UG/KG [illegible] 10

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (IU/L)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
666-E (2)	0.2	81.0 a	1160.0[A]	102.0	162.0 a	111.0	3.9	151.0	114.0	9.0	59.0 a
701-E (1)	0.1	114.0 a	856.0	160.0	104.0 a	100.0	3.2	150.0	108.0	21.0	62.0 a
681-F	0.1	110.0	880.0	241.0	65.0	78.0	4.3	152.0	111.0	11.0	64.0
605-F (2)	0.2	77.0 a	860.0	188.0	22.0 a	336.0	4.3	148.0	114.0	9.0	52.0 a
839-H	0.1	111.0	735.0	155.0	65.0	15.0	3.9	151.0	116.0	15.0	52.0
284-I	0.1	111.0	468.0	110.0	96.0	3.0	5.3	154.0	121.0	12.0	75.0
309-I	0.2	139.0	1310.0[A]	162.0	82.0	92.0[A]	4.4	148.0	110.0	15.0	76.0
624-I (2)	0.1	70.0 a	1356.0[A]	110.0	33.0 a	0.0	4.7	157.0	117.0	11.0	71.0 a
MEAN	0.1	119.8	956.1	163.5	77.8	80.4	4.2	151.0	113.9	12.7	68.0
S.D.	0.05	13.3	301.8	42.7	15.0	110.8	0.62	2.6	4.2	4.8	10.9
MALES											
516-G	0.2	83.0	684.0	278.0	47.0	41.0	3.8	155.0	106.0	24.0	60.0
519-H	0.1	104.0	488.0	227.0	90.0	71.0	3.6	147.0	109.0	19.0	58.0
428-J	0.1	150.0	896.0	246.0	200.0	110.0	3.7	153.0	110.0	17.0	71.0
432-J	0.2	119.0	284.0	310.0	46.0	315.0	3.6	152.0	107.0	18.0	68.0
MEAN	0.1	114.0	588.0	265.3	95.8	135.1	3.7	151.3	108.0	19.3	64.3
S.D.	0.06	28.2	262.4	36.5	72.5	125.7	0.15	2.9	1.8	3.3	6.2

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 20.4

BIOCHEMISTRY

25 UG/KG 12 MONTH TD

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
262-E (1)	17.0	1.1	135.0	0.1	46.0	12.0	6.6 a	4.1	9.2	4.0	1.5	2.6 a
263-E (2)	13.0	1.3	219.0	0.3	73.0	190.0	7.2 a	4.6	10.4	4.1	1.8	2.6 a
281-G	13.0	1.2	191.0	0.8	37.0	14.0	7.7	4.8	10.2	4.2	1.7	2.5
540-M (2)	15.0	1.4	129.0	0.5	34.0	24.0	7.4 a	4.7	10.0	4.4	1.5	3.1 a
841-M (2)	14.0	1.4	93.0	0.4	79.0	13.0	7.4 a	4.8	9.2	6.0	1.9	2.6 a
273-I (2)	13.0	1.4	97.0	0.7	56.0	40.0	7.2 a	4.5	9.5	4.0	1.7	2.7 a
307-I	14.0	1.1	119.0	0.2	48.0	24.0	7.5	4.1	10.3	3.7	1.4	3.2
757-I (2)	14.0	1.3	103.0	0.2	46.0	11.0	6.3 a	4.7	10.9	4.7	1.3	3.4 a
MEAN	14.4	1.3	129.5	0.4	52.4	49.3	7.4	4.6	10.0	4.5	1.6	3.0
S.D.	1.5	0.13	40.3	0.25	16.1	57.6	0.14	0.20	0.56	0.75	0.23	0.21
MALES												
078-I	16.0	1.5	141.0	0.3	67.0	54.0	7.7	4.3	9.9	4.0	1.1	3.6
046-I	17.0	1.6	112.0	0.3	52.0	26.0	7.7	4.1	9.9	4.0	1.1	3.6
995-I	19.0	1.5	110.0	0.7	62.0	40.0	8.1	4.1	10.4	3.4	1.0	4.0
599-I	20.0	2.1	119.0	0.2	56.0	71.0	8.5	4.7	10.2	4.2	1.2	3.8
MEAN	18.0	1.7	120.5	0.4	59.2	47.3	8.0	4.2	10.1	3.9	1.1	3.7
S.D.	1.8	0.29	14.7	0.22	6.6	13.1	0.38	0.30	0.24	0.33	0.03	0.19

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 24.5

BIOCHEMISTRY

25 UG/KG - 4-WEEK IO

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (IU/ML)	LAC DEHYDRO (IU/ML)	TOT PROT (MG/DL)	TRIGLYC (MG/DL)	CPK (IU/L)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/ML)
FEMALES											
762-E (3)	0.1	116.0 a	729.0	174.0	78.0 a	28.1	3.3	149.0	114.0	15.0	56.0 a
763-E (2)	0.1	72.0 a	920.0A	189.0	166.0 a	49.0	4.8	153.0	114.0	14.0	51.0 a
781-G	0.1	109.0	700.0	179.0	38.0	39.1	4.0	149.0	108.0	21.0	63.0
540-H (2)	0.1	104.0 a	699.0	150.0	53.0 a	31.3	4.3	152.0	111.0	19.0	71.0 a
541-H (2)	0.1	159.0 a	1300.0A	166.0	41.0 a	45.0	3.4	150.0	110.0	13.0	55.0 a
271-I (2)	0.1	99.0 a	735.0	258.0	31.0 a	184.0	5.5	149.0	108.0	21.0	75.0 a
307-I	0.1	60.0	1505.0A	226.0	72.0	23.0	4.1	157.0	115.0	19.0	52.0
757-I (2)	0.1	122.0 a	739.0	206.0	26.0 a	35.0	5.0	158.0	110.0	19.0	47.0 a
MEAN	0.1**	84.5	926.4	193.5	55.0	51.1	4.0	152.0	111.5	17.6	57.5
S.D.	0.00	34.6	327.8	35.1	24.0	54.1	0.83	3.8	2.8	3.2	7.8
RATES											
020-I	0.2	113.0	699.0	218.0	47.0	35.0A	3.8	153.0	113.0	15.0	68.0
046-I	0.2	77.0	856.0	234.0	105.0	103.0	5.8	154.0	110.0	11.0	67.0
595-I	0.1	123.0	253.0	214.0	198.0	56.0	4.9	149.0	111.0	23.0	56.0
599-I	0.2	71.0	484.0	326.0	90.0	99.0	5.6	157.0	109.0	17.0	74.0
MEAN	0.2	96.0	573.0	248.0	110.0	72.5**	4.0	153.3	110.8	16.0	68.5*
S.D.	0.05	25.8	262.2	52.7	61.6	32.7	0.59	3.3	1.7	4.2	9.2

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 20.6

BIOCHEMISTRY

100 UG/KG [illegible] MONTH 10

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
226-F	14.0	1.3	141.0	0.5	78.0	40.0	7.6	4.5	9.8	3.5	1.5	3.1
486-H	18.0	1.5	131.0	0.0	60.0	33.0	7.5	4.6	9.5	3.2	1.6	2.9
269-I	10.0	1.1	93.0	0.3	47.0	24.0	7.9	5.0	10.8	3.6	1.7	2.9
287-I	13.0	1.3	150.0	0.0	46.0	25.0	7.3	4.8	10.2	2.7	1.9	2.5
312-I (2)	11.0	1.1	135.0	0.3	29.0	10.0	7.1 a	4.6	9.9	4.0	1.8	2.5 a
338-I (1)	14.0	1.3	109.0	0.2	51.0	24.0	7.9 a	4.9	9.7	2.8	1.3	3.5 a
770-I	13.0	1.1	113.0	0.5	49.0	22.0	7.5	4.2	9.7	2.4	1.3	3.1
MEAN	13.1	1.2	124.6	0.3	51.1	26.5	7.6	4.6	9.9	3.27*	1.6	2.9
S.D.	2.6	0.15	20.2	0.21	15.1	14.4	0.22	0.24	0.52	0.57	0.23	0.36
MALES												
786-E	23.0	2.3	109.0	0.5	56.0	49.0	7.5	4.7	10.1	3.5	1.3	3.3
400-I	19.0	1.7	97.0	0.1	73.0	17.0	8.0	4.6	10.1	4.1	1.4	3.2
425-J	21.0	1.3	130.0	0.2	51.0	24.0	7.8	5.9	10.7	3.5	1.8	3.9
427-J	17.0	1.0	95.0	0.5	53.0	12.0	8.6	4.6	11.1	5.3	1.7	4.0
MEAN	20.0	1.8	107.0	0.3	57.7	18.0*	8.0	4.3	10.6	4.1	1.7	3.7
S.D.	2.6	0.41	16.1	0.21	10.2	10.6	0.46	0.36	0.41	0.89	0.27	0.35

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 21.7

BIOCHEMISTRY

100 U/KG - MONTH 10

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (IMU/ML)	LAC DEHYDRO (IMU/ML)	TOT PROT (MG/DL)	TRIGLYC (MG/DL)	CPK (IU/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/ML)
FEMALES											
152-F	0.2	111.0	300.0	279.0	29.0	26[illegible]	4.4	140.0	107.0	16.0	50.0
226-F	0.1	105.0	672.0	312.0	138.0	541.[illegible]	4.4	156.0	114.0	16.0	57.0
496-M	0.1	154.0	237.0	256.0	33.0	[illegible]	3.7	139.0	105.0	17.0	59.0
269-I	0.1	158.0	622.0	216.0	85.0	[illegible]	4.9	152.0	116.0	16.0	74.0
287-I	0.1	142.0	629.0	334.0	70.0	267.[illegible]	4.4	153.0	116.0	18.0	59.0
312-I (2)	0.1	81.0 #	672.0	125.0	14.0 #	[illegible]	3.8	141.0	108.0	23.0	50.0 #
338-I (3)	0.1	105.0 #	741.0	310.0	65.0 #	741.[illegible]	3.9	151.0	111.0	17.0	72.0
778-I	0.1	84.0	467.0	238.0	75.0	[illegible]	4.3	154.0	114.0	20.0	51.0
MEAN	0.1*	125.7	492.5**	257.8**	71.7	[illegible]	4.2	150.5**	113.9*	17.1	59.0*
S.D.	0.06	30.0	184.5	67.7	39.8	[illegible]	0.48	5.5	3.0	3.7	10.1
MALES											
706-E	0.2	89.0	449.0	397.0	89.0	[illegible]	4.7	157.0	114.0	17.0	64.0
600-I	0.2	92.0	397.0[A]	311.0	103.0	[illegible][A]	3.4	156.0	107.0	22.0	61.0
425-J	0.1	126.0	253.0	256.0	78.0	[illegible]	3.8	154.0	102.0	28.0	66.0
427-J	0.2	219.0	222.0	343.0	50.0	[illegible]	4.1	157.0	106.0	15.0	96.0
MEAN	0.2	130.0	330.3	326.0*	80.0	[illegible]**	4.0	151.5	107.3	21.0	69.5
S.D.	0.05	57.8	109.9	59.0	22.5	[illegible]	0.55	4.0	5.0	5.5	10.7

\# INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 25

BIOCHEMISTRY

CONTROL - WITH 12

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	GLOB (MG/ML)	PHOS (MG/ML)	A/G RATIO	GLOB (GM/ML)
FEMALES												
764-E (4)	11.0	1.0	106.0 a	0.2 a	63.0	50.0	6.6 a[A]	3.0 a[A]	3.5	4.7	0.9 a	3.3
887-F (3)	12.0	1.4	174.0	0.2	19.0	17.0	6.6 a	3.3	10.9	5.5	1.0	3.3 a
200-T (3)	11.0	0.9	166.0	0.1	21.0	20.0	6.8 a	3.1	10.5	5.6	0.9	3.7 a
276-F (4)	8.0	0.9	140.0 a	0.2 a	64.0[A]	71.0[A]	7.2 a	3.4 a	9.5	5.1	0.9 a	3.8
589-H	12.0	1.1	176.0	0.2	35.0	32.0	7.4	3.7	9.9	5.3	1.0	3.7
578-H (4)	11.0	1.1	125.0 a	0.2 a	64.0	50.0	6.6 a	3.5 a	10.6	5.1	1.1 a	3.1
604-I (5)	11.0	0.9	118.0 a	0.1 a	30.0	25.0	7.0 a[A]	3.1 a[A]	8.9	3.7	0.9 a	3.1
618-I (4)	8.0	1.0	132.0 a	0.1 a	73.0	62.0[A]	6.4 a[A]	2.8 a[A]	8.8	4.2	0.9 a	3.3
MEAN	10.5	1.0	177.0	0.2	46.1	40.5	7.4	3.4	9.7	4.6	0.9	3.4
S.D.	1.6	0.17	5.3	0.06	22.0	20.2	.	0.31	0.93	0.83	0.12	0.30
MALES												
227-G	10.0	1.1	181.0	0.3	49.0	49.0	6.9	3.6	10.0	4.9	1.1	3.3
426-G	20.0	1.4	123.0	0.2	70.0	66.0	7.0	3.6	9.3	3.4	1.1	3.4
139-I	20.0	0.7	124.0	0.1	77.0	58.0	6.9	3.5	9.5	4.8	1.0	3.4
618-J	18.0	1.5	157.0	0.1	61.0	54.0	7.4	4.1	10.2	5.3	1.2	3.3
MEAN	19.0	1.2	146.3	0.2	64.7	71.3	7.0	3.7	9.7	4.4	1.1	3.3
S.D.	1.2	0.34	28.0	0.10	12.0	23.3	0.24	1.27	2.42	0.85	0.10	0.06

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 25.1

BIOCHEMISTRY

CONTROL - WEEK 12

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (U/ML)	SERUM PHOS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC (MG/DL)
FEMALES											
764-E (4)	0.1	75.0	1140.0	223.0	53.0	25.0	4.3	144.0	106.0	25.0	38.0
887-F (3)	0.1	129.0 a	1302.0	105.0	446.0 a	84.0	3.9	145.0	98.0	24.0	207.0 a
200-I (3)	0.2	99.0 a	1502.0	135.0	193.0 a	21.0	4.3	143.0	100.0	24.0	140.0 a
274-F (4)	0.1	74.0	741.0	167.0	52.0	108.0	4.6	157.0	106.0	22.0	37.0
569-H	0.1	94.0	944.0	131.0	44.0	23.0	4.1	144.0	106.0	19.0	44.0
578-H (4)	0.1	71.0	642.0	165.0	70.0	21.0	5.0	153.0	108.0	25.0	44.0
604-I (5)	0.1	82.0	960.0	145.0	75.0	33.0	4.3	139.0	104.0	19.0	37.0
614-I (4)	0.4	87.0	663.0	130.0	51.0	102.0	3.4	143.0	106.0	25.0	31.0
MEAN	0.1	80.5	996.8	150.1	57.5	46.3	4.2	145.0	104.5	22.9	52.2
S.D.	0.11	8.8	330.2	35.6	12.1	59.1	0.47	5.0	3.5	2.6	11.7
MALES											
739-F	0.1	92.0	394.0	160.0	41.0	119.0	4.0	152.0	107.0	29.0	53.0
227-G	0.1	85.0	358.0	186.0	90.0	84.0	4.0	151.0	114.0	16.0	67.0
426-G	0.1	134.0	485.0	217.0	44.0	127.0	3.6	152.0	108.0	24.0	41.0
438-J	0.1	244.0	790.0	168.0	66.0	1695.0	3.6	134.0	105.0	18.0	80.0
MEAN	0.1	138.8	506.8	184.0	60.3	506.3	3.8	147.3	108.5	21.8	57.8
S.D.	0.00	73.4	196.3	23.1	22.8	797.0	0.23	1.7	3.9	5.9	19.0

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 25.2

BIOCHEMISTRY

5 UG/KG - MONTH 12

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (IU/ML)	SGPT (IU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
646-E (4)	11.0	0.9	177.0 a	0.1 a	47.0	37.1	7.4 a	3.7 a	10.1	3.2	1.0 a	3.7
701-E (3)	14.0	1.0	122.0	0.2	239.0 A	236.0 A	7.7 a A	3.2	9.0	4.3	1.0	3.1 a
601-F	12.0	1.2	102.0	0.1	73.0	44.0	7.2	4.0	10.0	2.9	1.3	3.2
605-F (4)	12.0	1.1	127.0 a	0.1 a	52.0	41.0	6.9 a	3.2 a	9.7	4.5	0.9 a	3.7
839-H	15.0	1.0	183.0	0.1	92.0	75.3	6.9	3.6	9.3	3.6	1.1	3.3
284-I	14.0	1.3	177.0	0.1	32.0	43.0	7.3	3.5	11.6	5.0	0.9	3.8
309-I (1)	10.0	1.0	161.0	0.1	43.0	31.0	7.0 a	3.5	10.1	4.1	1.0	3.5 a
621-I (4)	13.0	1.0	127.0 a	0.1 a	60.0	50.0	6.5 a	3.0 a	9.5	4.4	0.9 a	3.5
MEAN	12.6a	1.1	165.0	0.1	77.0	72.0	7.1	3.6	9.7	4.0	1.1	3.5
S.D.	1.7	0.13	25.6	0.04	56.6	64.0	0.21	0.29	0.84	0.71	0.15	0.24
MALES												
516-G	21.0	1.4	157.0	0.1	59.0	35.0	7.4	3.7	9.6	4.1	1.0	3.7
119-H	20.0	1.0	123.0	0.1	55.0	51.0	7.2	3.7	9.4	4.7	1.1	3.5
428-J	21.0	1.3	126.0	0.2	54.0	37.0	7.6	4.2	10.1	4.9	1.2	3.4
432-J	23.0	1.6	127.0	0.1	41.0	46.0	7.9	4.1	10.2	4.7	1.1	3.8
MEAN	21.3a	1.3	133.3	0.1	52.2	42.3	7.5a	3.9	9.8	4.6	1.1	3.6a
S.D.	1.3	0.25	15.9	0.05	7.8	12.8	0.30	0.24	0.39	0.35	0.08	0.18

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016709

TABLE 25.3

BIOCHEMISTRY

5 UG/KG - WEEK 12

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT TRIG (MG/DL)	TRIGLYC (MG/DL)	CPK (IU/L)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
446-E (4)	0.1	94.0	723.0	123.0	65.0	184.0	3.8	149.0	108.0	21.0	48.0
701-E (3)	0.2	118.0 a	1150.0	154.0	130.0 a	189.0	4.1	142.0	107.0	31.0	31.0 *
403-F	0.1	83.0	702.0	168.0	62.0	36.0	3.8	149.0	105.0	23.0	51.0
605-F (4)	0.1	70.0	856.0	127.0	136.0	88.0	4.2	143.0	109.0	13.0	47.0
819-H	0.2	89.0	693.0	150.0	86.0	44.0	3.6	147.0	107.0	24.0	51.0
204-I	0.1	85.0	235.0	122.0	128.0	36.0	5.1	158.0	114.0	22.0	48.0
309-I (1)	0.1	123.0 a	800.0	142.0	76.0 a	27.0	3.8	148.0	106.0	24.0	56.0 *
624-I (4)	0.2	70.0	948.0	133.0	48.0	15.0	4.5	145.0	110.0	6.0	41.0
MEAN	0.1	89.5	772.4	139.9	86.2	75.7	4.1	147.6	108.3*	19.5	48.0
S.D.	0.05	9.2	265.0	16.5	38.5	60.7	0.49	5.0	2.8	7.0	6.1
MALES											
516-G	0.1	85.0	594.0	257.0	44.0	186.1	3.7	146.0	105.0	27.0	51.0
119-H	0.1	127.0	412.0	202.0	41.0	80.0	4.0	149.0	106.0	22.0	46.0
428-J	0.1	105.0	471.0	190.0	64.0	61.1	4.4	154.0	104.0	23.0	55.0
432-J	0.1	157.0	324.0	188.0	6.0	47.1	3.6	154.0	106.0	21.0	46.0
MEAN	0.1	118.5	450.3	209.3	39.3	94.3	3.9	150.8	105.8	23.3	49.5
S.D.	0.00	30.9	113.3	32.4	24.8	62.1	0.36	3.7	0.5	2.6	5.8

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016710

TABLE 24.4

BIOCHEMISTRY

25 UG/KG - WEEK 12

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	GLU (MG/DL)	PHOS (MG/DL)	A/G RATIO	CA (MG/DL)
FEMALES												
0762-E (3)	18.0	0.9	98.0	0.1	34.0	28.0	6.3 [2A]	3.5[A]	9.5	3.4	0.9	9.3
0763-E (4)	11.0	1.3	167.0 a	0.2 a	52.0	51.0[A]	7.0 a[A]	3.3 a	10.1	6.4	1.1 a	9.7
281-G	10.0	1.1	136.0	0.1	37.0	26.0	7.5	3.7	10.4	7.9	1.0	9.8
0540-H (4)	15.0	1.1	145.0 a	0.2 a	39.0	54.0	7.2 a	3.4 a	10.0	6.3	0.9 a	9.8
0881-H (4)	12.0	1.1	130.0 a	0.2 a	45.0	44.0	6.2 a	3.0 a	9.3	4.7	0.9 a	9.2
0273-I (4)	11.0	1.1	135.0 a	0.1 a	49.0	31.0	6.6 a[A]	3.1 a[A]	9.2	4.3	0.9 a	9.2
307-I	18.0	1.4	175.0	0.3	45.0	44.0	7.5	3.7	10.2	5.6	1.0	9.7
0757-I (4)	14.0	1.2	154.0 a	0.2 a	39.0	34.0	6.7 a	3.3 a	9.3	4.7	0.9 a	9.4
MEAN	13.66	1.1	134.7	0.2	42.5	37.1	7.5	3.6	9.8	4.9	1.0	9.5
S.D.	3.2	0.15	38.6	0.12	6.2	13.9	0.07	0.12	0.57	1.17	0.06	0.19
MALES												
020-I	18.0	1.5	153.0	0.1	42.0	49.0	7.1	3.7	10.2	6.3	1.1	9.6
044-I	19.0	1.6	136.0	0.1	41.0	38.0	7.0	3.5	9.5	6.2	1.1	9.5
599-I	19.0	1.6	128.0	0.3	44.0	AP.8	7.5	3.6	9.5	3.8	0.9	3.9
599-I	24.0	1.9	157.0	0.2	53.0	87.0	9.5	5.3	10.3	6.C	1.1	9.5
MEAN	20.0	1.6	144.5	0.2	45.0*	60.5	7.8	4.0	9.8	4.6	1.0	9.8
S.D.	2.7	0.22	14.8	0.10	5.5	21.6	1.17	0.68	0.50	0.97	0.10	0.52

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 25.5

BIOCHEMISTRY

25 UG/KG MONTH 12

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRG (MU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (IU/L)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
362-E (3)	0.1	70.0 a	729.0	148.0	42.0 a	[illegible]	3.6	142.0	103.0	26.0	29.0 a
763-E (4)	0.0	65.0	1160.0	266.0	23.0	[illegible]	4.7	154.0	108.0	24.0	33.0
281-G	0.1	83.0	483.0	170.0	48.0	[illegible]	4.5	157.0	108.0	26.0	47.0
949-H (4)	0.0	57.0	820.0	252.0	91.0	[illegible]	4.7	150.0	108.0	22.0	34.0
861-H (4)	0.0	96.0	500.0	258.0	117.0	[illegible]	4.5	147.0	108.0	23.0	38.0
273-I (4)	0.0	91.0	1130.0	285.0	129.0	[illegible]	4.1	145.0	108.0	25.0	28.0
307-I	0.0	69.0	875.0	187.0	75.0	[illegible]	5.1	156.0	112.0	25.0	60.0
757-I (4)	0.0	79.0	980.0	228.0	30.0	[illegible]	4.1	147.0	106.0	23.0	96.0
MEAN	0.00*	77.1	839.6	226.00*	73.3	[illegible]	4.4	149.4	107.6	24.9	41.7
S.D.	0.05	14.2	257.1	49.8	41.6	[illegible]	0.52	5.2	2.5	1.9	19.4
MALES											
020-I	0.1	100.0	363.0	224.0	93.0	[illegible]	3.8	154.0	109.0	27.0	30.0
046-I	0.1	66.0	458.0	191.0	102.0	[illegible]	3.8	150.0	105.0	26.0	32.0
595-I	0.1	103.0	351.0	185.0	69.0	[illegible]	4.3	150.0	106.0	27.0	28.0
599-I	0.1	106.0	208.0	278.0	29.0	[illegible]	4.6	161.0	111.0	25.0	49.0
MEAN	0.1	95.8	345.0	219.8	73.3	[illegible]	4.1	153.8	107.3	26.4	44.5
S.D.	0.00	19.9	103.1	39.4	32.6	[illegible]	0.39	5.2	3.3	5.6	25.2

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016712

TABLE 25.6

BIOCHEMISTRY

100 UG/KG - MONTH 12

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	ALKPH (IGM/ML)
FEMALES												
226-F [2]	16.0	1.2	131.0	0.2	51.0	52.0	7.5	3.6	10.2	4.7	0.9	3.9
686-H	23.0	1.7	158.0	0.1	35.0	38.0	6.6	3.4	9.0	2.6	1.1	3.2
269-I	46.0	1.2	107.0	0.1	80.0	87.0	7.6	3.7	10.4	2.5	1.0	3.9
287-I	11.0	1.2	162.0	0.3	28.0	41.0	7.5	3.8	10.6	4.0	1.1	3.6
312-I [4]	11.0	0.9	139.0 @	0.3 @	37.0	32.0	5.9 @	3.1 @	8.7	3.9	1.1 @	2.5 @
330-I [3]	15.0	1.1	163.0	0.4	49.0	25.0	7.8 @	3.5	9.6	2.9	0.8 @	4.3 @
770-I	14.0	0.9	167.0	0.2	31.0	30.0	7.2	3.3	8.9	3.8	0.9	3.9
MEAN	20.0*	1.2	146.0	0.2	55.4	46.4	7.2	3.5	9.6	3.3**	1.0	3.6
S.D.	12.1	0.27	23.9	0.12	17.9	22.0	0.43	0.19	0.78	0.88	0.07	0.55
MALES												
706-E	30.0	2.0	132.0	0.1	48.0	45.0	6.9	3.7	9.4	6.6	1.2	3.7
600-I	26.0	1.6	112.0	0.1	43.0	37.0	7.8	4.6	10.6	5.0	1.3	3.5
425-J	23.0	1.6	137.0	0.1	38.0	26.0	7.3	3.6	9.6	3.9	1.0	3.7
427-J	19.0	2.1	109.0	0.4	65.0	40.0	8.2	3.9	10.2	6.4	0.9	4.1
MEAN	24.0	1.84	122.5	0.2	48.5	39.9	7.5	3.9	9.9	4.9	1.1	3.8
S.D.	4.5	0.33	14.1	0.15	11.7	12.7	0.57	0.44	0.62	1.08	0.19	0.40

@ INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 25.7

BIOCHEMISTRY

100 UG/KG MONTH 12

ANIMAL NUMBER	BUT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (UNIT/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
226-F (2)	0.0	92.0 d	313.0	167.0	63.0 d	174.0	5.6	153.0	109.0	15.0	48.0 d
486-H	0.0	111.0	189.0	414.0	118.0	29.0	4.1	153.0	116.0	21.0	62.0
269-I	0.1	143.0	434.0	161.0	40.0	515.0	4.3	152.0	115.0	22.0	64.0
287-I	0.1	155.0	194.0	196.0	89.0	66.0	4.3	152.0	108.0	18.0	45.0
312-I (4)	0.1	59.0	813.0	236.0	46.0	61.0	4.2	147.0	108.0	22.0	30.0
338-I (3)	0.1	286.0 d	928.0	202.0	83.0 d	96.0	4.3	144.0	110.0	13.0	81.0 d
770-I	0.0	81.0	209.0	306.0	86.0	104.0	4.5	146.0	112.0	17.0	67.0
MEAN	0.1	109.8	439.1**	240.3*	75.0	141.6	4.5	150.3	111.1**	18.1*	57.1
S.D.	0.05	40.5	304.6	90.9	32.5	171.1	0.51	6.8	3.3	3.7	11.7
MALES											
206-E	0.1	91.0	340.0	264.0	88.0	195.0	4.7	156.0	108.0	20.0	71.0
600-I	0.1	92.0	406.0	272.0	40.0	58.0	4.3	154.0	107.0	23.0	47.0
425-J	0.1	132.0	311.0	243.0	58.0	64.0	4.3	150.0	103.0	27.0	47.0
427-J	0.1	250.0	322.0	230.0	8.0	261.0	3.7	152.0	107.0	18.0	55.0
MEAN	0.1	141.3	344.8	252.3**	48.5	252.0	4.2	154.3	106.3	20.3	60.5
S.D.	0.00	75.0	42.5	19.2	33.5	314.4	0.41	4.0	2.2	4.8	11.7

d INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 26

BIOCHEMISTRY

CONTROL - MONTH 14

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
764-F (5)	14.0	1.4	143.0 B	0.3	28.0	12.0	7.0	3.6	11.9[A]	5.6	0.9	3.6[A]
200-F (5)	16.0	1.1	87.0 B	0.2 B	40.0	11.0	6.0 B	2.9[A]B	11.1	3.9	0.7 B	4.1[A]
274-F (6)	21.0	1.3	150.0 B	0.2	93.0	58.0	8.0	3.8	11.2[A]	4.9	0.9	4.2
569-H	18.0	1.3	177.0	0.2	32.0	42.0	8.2	4.1	11.2[A]	5.6	1.0	3.1[A]
578-H (6)	17.0	1.3	127.0 B	0.3	46.0	17.0	7.4	3.4	11.4	5.2	0.9	3.3[A]
604-I (7)	16.0	1.5	156.0 B	0.3	34.0	10.0	8.4	4.1	11.3[A]	4.8	1.0	3.6[A]
410-I (6)	14.0	1.3	106.0 B	0.1	41.0	22.0	6.7	3.3[A]	10.2	4.7	0.8	3.8
MEAN	16.6	1.3	177.0	0.2	45.4	23.9	7.7	3.7	11.2	5.0	0.9	3.8
S.D.	2.7	0.12	.	0.08	21.8	19.9	0.62	0.34	0.51	0.59	0.08	0.31
MALES												
227-G	23.0	1.6	220.0	0.3	37.0	48.0	7.2	4.2	10.7	4.8	1.4	3.0
428-G	27.0	1.8	131.0	0.3	55.0	78.0	7.5	4.2	10.7	4.6	1.3	3.3
739-I	20.0	1.6	121.0	0.2	49.0	100.0	7.3	4.1	10.2	3.7	1.3	3.2
418-J	22.0	1.9	185.0	0.3	40.0	66.0	7.7	4.7	11.2	5.2	1.6	3.0
MEAN	23.5	1.7	164.3	0.3	45.3	73.0	7.4	4.3	10.7	4.6	1.4	3.1
S.D.	2.1	0.15	46.6	0.05	8.3	21.8	0.22	0.27	0.41	0.63	0.14	0.15

B INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016715

TABLE 26.1

BIOCHEMISTRY

CONTROL - MONTH 14

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (UIU/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
264-F (6)	0.2	152.0	672.0	128.0	35.0 B	48.0	5.1	150.0	115.0	12.0	79.0
280-F (5)	0.2	140.0	2178.0 A	381.0	78.0	98.0	5.2	151.0	114.0	11.0	98.0
274-F (6)	0.2	121.0	1398.0	188.0	27.0 B	488.0	5.6	150.0	113.0	16.0	32.0
569-M	0.1	127.0	1278.0	141.0	31.0	71.0	5.1	152.0	107.0	14.0	82.0
578-M (6)	0.2	280.0	1258.0	237.0	29.0 B	44.0	4.5	155.0	111.0	11.0	92.0
604-I (7)	0.2	154.0	645.0	188.0	78.0 B	44.0	5.9	159.0	113.0	15.0	78.0
418-I (4)	0.4	153.0	1048.0	267.0	15.0 B	44.0	4.8	150.0	112.0	17.0	15.0
MEAN	0.2	161.0	1176.2	196.0	61.5	110.1	5.1	154.7	112.1	13.7	52.1
S.D.	0.09	54.1	554.4	56.9	48.1	163.4	0.64	3.7	2.6	2.4	29.6
MALES											
739-F	0.1	110.0	439.0	239.0	28.0	32.0	3.8	154.0	106.0	22.0	46.0
227-G	0.2	95.0	788.0	293.0	95.0	41.0	3.5	159.0	109.3	16.0	61.0
426-G	0.2	170.0	1800.0	262.0	38.0	196.0	4.3	155.0	106.0	19.0	26.0
618-J	0.2	310.0	810.0	215.0	28.0	253.0	4.3	159.0	109.0	18.0	41.0
MEAN	0.2	180.1	737.3	256.0	32.0	180.0	4.0	156.0	107.5	18.0	44.0
S.D.	0.05	100.4	734.5	27.9	4.2	102.1	0.39	2.6	1.7	2.5	15.3

B INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016716

TABLE 26.2

BIOCHEMISTRY

5 UG/KG - MONTH 14

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
466-I	1.0	1.0	173.0	0.1	96.0	25.0	7.3	3.0	9.3[A]	3.6	1.1	3.5[A]
781-I (5)	19.0	1.3	112.0 B	0.2 B	52.0	57.0	7.5 B	3.6 B	10.7	3.5	0.9 B	3.9
483-F (1)	19.0	1.1	196.0	0.1	95.0	69.0	7.5 B	4.0	10.0	7.0	1.1	3.6 B
485-F (6)	19.0	1.0	148.0 B	0.0	36.0	32.0	7.0	3.0	10.0	2.5	1.0	4.0
839-M	15.5	1.0	153.0	0.3	93.0	86.0	7.1	3.0	9.7	2.0	1.2	3.3
784-I (2)	17.0	1.2	157.0	0.2	29.0	49.0	7.9 U	3.9	10.7	4.1	1.0	3.9[A,U]
389-I (3)	8.0	0.8	77.0	0.1	17.0	27.0	6.7 B	3.5[A]	9.0	4.5	0.9	3.5 B
624-I (6)	24.0	1.3	191.0 A	0.2	51.0	31.0	7.0	3.7	10.6[A]	6.0	0.9	3.3[A]
MEAN	14.6	1.1	141.2	0.2	48.-	44.4	7.5	3.8	10.2**	3.7*	1.0	3.6
S.D.	4.5	0.28	37.2	0.13	12.4	22.7	0.36	0.16	0.53	1.35	0.11	0.35
MALES												
516-M	25.0	1.6	148.0	0.2	56.0	38.0	7.5	3.9	10.7	5.6	1.1	3.6
119-M	23.0	1.2	144.0	0.2	61.0	39.0	7.8	4.1	10.7	4.6	1.1	3.7
498-J	21.0	1.4	139.0	0.2	58.0	60.0	7.9	4.5	10.8	4.1	1.3	3.4
432-J	22.0	1.6	114.0	0.1	45.0	49.0	8.3	4.2	10.7	4.4	1.1	3.8
MEAN	23.0	1.4	135.5	0.2	57.0	37.0*	7.8	4.2	10.7	4.5	1.1*	3.6**
S.D.	1.4	0.19	14.1	0.05	12.2	7.4	0.22	0.29	0.05	0.59	0.10	0.17

B INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 26.3

BIOCHEMISTRY

5 UG/KG - MONTH 14

ANIMAL NUMBER	TOT PIL (MG/DL)	ALK PHT (MU/ML)	LAC DEHYDRG (MU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (UIU/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
646-E	0.2	130.0	890.0	178.0	113.0	19.0 #	4.6	142.0	109.0	10.0	78.0
701-L (5)	0.2	143.0	1405.0	327.0	2.0	52.0	4.0	149.0	108.0	16.0	24.0
403-F (1)	0.1	106.9 #	895.0	215.0	57.0 #	61.0	5.6	147.0	109.0	13.0	52.0 #
605-F (6)	0.1	217.0	1005.0	46.0	28.0 #	65.0	4.7	152.0	115.0	6.0	120.0 #
839-H	0.1	100.0	1025.0	153.0	77.0	100.0 #	4.4	147.0	112.0	15.0	69.0
204-T (2)	0.1	108.3 #	280.0	134.0	183.0 #	21.0	5.2	151.0	111.0	19.0	50.0 #
309-T (3)	0.1	137.0 #	384.0	142.0	77.0 #	478.0	4.0	142.0	105.0	19.0	54.0 #
434-T (6)	0.2	130.0	1290.0	150.0	5.0 #	95.0	5.6	168.0	114.0	15.0	48.0
MEAN	0.1	160.0	886.0	168.1	64.0	130.1	4.8	148.0*	110.4	14.1	56.2
S.D.	0.05	45.0	409.2	80.0	56.6	222.9	0.65	5.0	3.3	4.4	35.5
MALES											
516-G	0.2	99.0	900.0	219.0	44.0	236.0	3.7	151.0	108.0	23.0	42.0
119-H	0.1	172.0	441.0	127.0	38.0	81.0	3.6	148.0	105.0	17.0	55.0
428-J	0.2	125.0	1520.0	234.0	35.0	392.0	9.6	151.0	111.0	16.0	30.0
432-J	0.1	204.0	820.0	201.0	24.0	73.0	4.2	151.0	108.0	17.0	90.0
MEAN	0.1	150.0	920.3	220.0	35.3	195.5	4.8	151.3*	108.0	18.3	54.0
S.D.	0.06	47.9	447.2	14.4	8.4	151.0	0.46	2.9	2.4	3.2	18.7

# INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016718

TABLE 26.4

BIOCHEMISTRY

25 UG/KG - WEEK 14

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	UPTK ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
762-E (5)	16.0	1.1	75.0 a	0.1 a	48.0	9.0	5.9 a	3.0 a	10.-	3.7	0.- a	3.7
763-F (6)	12.0	1.3	132.0 a	0.2	63.0	84.0 a	7.5	3.7	11.0	6.3	1.-	3.6
201-G	16.0	1.0	145.0	0.0	34.0	50.0	7.6	3.9	10.5	7.8	1.1	3.7
560-H (6)	18.0	1.1	96.0 a	0.2	44.0	42.0	7.6	3.7	10.4	7.8	0.7	4.4
841-H (6)	19.0	1.3	165.0 a	0.2	36.0	4.0	7.4	4.0	10.- a	4.3	1.-	3.-
273-I (6)	15.0	1.3	86.0 a	0.2	61.0	31.0	7.5	3.3	10.6	3.5	0.8	4.2
307-I	17.0	1.0	133.0	0.0	26.0	42.0	7.1	3.5	10.4	4.3	1.0	3.6
757-I (6)	23.0	1.6	118.0 a	0.5	37.0	8.0	7.6	3.5	17.7 a	7.3	0.9	4.1 a
MEAN	17.0	1.2	139.0	0.2	43.6	33.8	7.5	3.6	10.9	4.4	1.0	3.8
S.D.	1.2	0.20	8.5	0.17	13.1	27.0	0.18	0.30	0.75	1.62	0.17	0.41
MALES												
020-I	19.0	1.6	185.0	0.4	42.0	52.0	7.7	3.9	10.9	6.6	1.0	3.8
046-I	18.0	1.4	127.0	0.2	45.0	31.0	7.0	3.6	9.5	4.1	1.1	3.4
594-I	20.0	1.3	129.0	0.1	60.0	71.0	8.0	3.8	9.6	4.4	1.0	4.2
599-I	20.0	1.0	152.0	0.5	41.0	50.0	7.7	4.0	10.1	5.1	1.1	3.7
MEAN	19.3	1.5	148.3	0.3	47.0	51.0	7.6	3.89	10.0	4.5	1.09	3.8
S.D.	1.0	0.22	27.0	0.18	8.8	16.4	0.42	0.17	0.66	1.48	0.10	0.31

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016719

TABLE 76.5

BIOCHEMISTRY

25 UG/KG - MONTH 14

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (UNITS/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
762-E (5)	0.1	98.0	1240.0	160.0	50.0	10.0	4.5	151.0	113.0	19.0	83.0
763-E (6)	0.2	88.0	1260.0	266.0	20.0 @	160.0 A	4.4	150.0	111.0	15.0	96.0
281-G	0.0	101.0	283.0	173.0	64.0	96.0	4.4	147.0	104.0	23.0	61.0
548-H (6)	0.2	120.0	492.0 A	176.0	55.0 @	52.0	5.0	147.0	113.0	9.0	10.0
644-H (6)	0.1	206.0	484.0	151.0	70.0 @	60.0	4.7	151.0	115.0	15.0	63.0
279-I (6)	0.2	157.0	1618.0 A	175.0	90.0 @	760.0 A	5.1	148.0	112.0	11.0	42.0
307-I	0.0	85.0	369.0	227.0	113.0	57.0	5.5	151.0	113.0	14.0	72.0
757-I (6)	0.1	274.0	1025.0	162.0	30.0 @	74.0	6.8 A	150.0	109.0	6.0	192.0
MEAN	0.14	141.1	845.4	186.3	75.7	153.6	5.2	151.4	112.5	14.0	57.1
S.D.	0.08	67.6	499.0	39.5	33.1	248.3	0.74	4.1	4.2	5.4	35.0
MALES											
020-I	0.2	136.0	404.0	348.0	129.0	530.0	4.0	152.0	105.0	17.0	89.0
046-I	0.2	65.0	905.0	237.0	119.0	1200.0	3.2	147.0	101.0	23.0	43.0
595-I	0.2	88.0	845.0	234.0	129.0	114.0	3.3	152.0	106.0	20.0	55.0
599-I	0.1	87.0	725.0	209.0	156.0	201.0	3.0	144.0	105.0	21.0	48.0
MEAN	0.2	94.0	719.8	267.0	133.3**	511.8	3.4	147.3**	104.8*	20.3	58.0
S.D.	0.05	29.9	223.4	60.9	15.9	493.0	0.43	4.1	1.9	2.5	25.1

@ INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016720

TABLE 26.6

BIOCHEMISTRY

100 UG/KG - MONTH 24

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
226-F (4)	18.0	1.2	151.0 a	0.3 a	65.0	29.0	7.6 d	3.8 d	9.6	3.5	1.0 a	3.8
269-1	9.0	1.1	125.0	0.2	37.0	27.0	7.6	4.0	10.6	5.3	1.1	3.6
287-1	11.0	1.1	134.0	0.2	27.0	24.0	7.0	3.7	9.6	2.6	1.1	3.3
312-1 (6)	18.0	1.5	179.0 a	0.3	31.0	21.0	7.4	4.1	11.9	6.7	1.2	3.3
330-1 (5)	13.0	1.2	111.0 a	0.1 a	55.0	42.0	7.5 d	3.6 d	9.8	2.0	0.9 a	4.0
MEAN	13.8	1.2	129.5	0.2	43.0	24.0	7.3	3.9	10.3	4.0	1.1**	3.6
S.D.	4.1	0.16	6.4	0.06	16.3	11.4	0.31	0.21	1.02	1.95	0.06	0.25
MALES												
70A-C	28.0	1.8	109.0	0.1	39.0	27.0	7.0	3.7	9.3	5.5	1.1	3.4
600-1	23.0	1.4	110.0	0.2	60.0	35.0	7.6	4.2	10.4	4.4	1.2	3.5
625-3	21.0	1.3	141.0	0.2	39.0	22.0	7.8	3.9	9.9	5.5	1.0	3.8
627-3	19.0	1.4	105.0	0.3	48.0	32.0	8.2	4.2	10.9	4.9	1.1	5.0
MEAN	22.8	1.5	116.3	0.2	44.5	29.0**	7.6	4.0	10.1	4.1	1.1*	3.7
S.D.	3.9	0.22	16.6	0.08	10.3	6.4	0.50	0.24	0.68	0.92	0.08	0.4

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016721

TABLE 26.7

BIOCHEMISTRY

100 UG/KG - MONTH 14

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (IU/ML)	LAC DEHYDRO (IU/ML)	TOT PROT (MG/DL)	TRIGLYC (MG/DL)	CPK (UI/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CA2 (MEQ/L)	GLUC (MG/ML)
FEMALES											
226-F (4)	0.1	99.0	1015.0	229.0	86.0	4175.0	3.5	147.0	107.0	18.1	63.0
269-I	0.1	119.0	575.0	225.0	144.0	61.0	4.2	152.0	111.0	19.0	57.0
287-I	0.1	109.0	210.0	218.0	159.0	91.0	4.8	154.0	108.0	23.0	50.0
312-I (6)	0.2	77.0	1165.0	244.0	10.0 *	61.0	5.9	150.0	119.0	7.0	76.0
334-E (5)	0.1	139.0	840.0	289.0	248.0	99.0	4.0	147.0	113.0	15.0	52.0
MEAN	0.1	100.6	761.0	241.0	164.3	897.4	4.1	150.4	111.4	16.4	61.0
S.D.	0.04	32.3	378.2	28.5	66.2	1837.3	0.94	4.7	4.4	6.8	9.6
MALES											
70A-E	0.1	75.0	403.0	320.0	142.0	552.0	4.3	151.0	107.0	21.0	37.0
680-I	0.2	97.0	665.0	324.0	315.0	174.0	3.6	153.0	106.0	23.0	47.0
425-J	0.1	96.0	615.0	268.0	61.0	135.0	4.2	148.0	104.0	22.0	66.0
427-J	0.2	337.0	780.0	275.0	85.0	98.0	3.5	151.0	106.0	18.0	57.0
MEAN	0.1	151.3	615.8	296.8	150.3	239.8	3.9	150.8*	105.5	21.0	51.8
S.D.	0.06	124.2	157.8	29.3	115.0	210.5	0.47	2.1	1.3	2.2	12.5

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016722

TABLE 22

BIOCHEMISTRY

CONTROL [illegible] 15

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
764-E (7)	18.0	1.4	141.0 a	0.5	32.0	22.[illegible]	7.8	4.5	11.9	5.4	1.4	3.3
200-F (6)	23.0	1.1	106.0 a	0.7	47.0	10.[illegible]	5.7	2.5	10.9	3.9	0.8	3.2
274-F (7)	17.0	1.4	165.0 a	0.5	30.0	40.[illegible]	8.5	4.9	11.5[a]	5.3	1.4	3.6
569-H	19.0	1.2	155.0	0.0	46.8	20.[illegible]	8.1	4.3	11.4	5.3	1.1	3.8
578-H (7)	19.0	1.2	150.0 a	4.3	30.0	10.[illegible]	7.4	4.3	12.0	4.1	1.4	3.1
604-I	14.0	1.2	167.0	0.4	37.0	13.[illegible]	7.4	4.3	11.3	4.4	1.4	3.1
618-I (7)	20.0	1.1	147.0 a	0.0	55.0	35.[illegible]	7.2	3.8	11.0	6.0	1.1	3.4
MEAN	18.6	1.2	161.0	0.9	39.6	21.[illegible]	7.4	4.1	11.4	4.9	1.2	3.4
S.D.	2.8	0.13	8.5	1.52	9.8	12.[illegible]	0.89	0.77	0.42	0.78	0.24	0.26
MALES												
227-G	17.0	1.5	229.0	0.0	28.0	10.[illegible]	7.1	4.3	10.7	4.5	1.5	2.8
426-G	25.0	1.5	111.0	0.0	50.0	53.[illegible]	6.9	4.0	9.9	2.7	1.4	2.5
739-F	21.0	1.4	100.0	0.0	56.0	81.[illegible]	6.7	4.0	9.3	3.7	1.5	2.7
418-J	22.0	1.5	143.0	0.0	40.0	28.[illegible]	7.0	4.3	10.6	4.4	1.[illegible]	2.7
MEAN	21.3	1.5	145.8	0.0	43.5	43.[illegible]	6.9	4.1	10.1	3.8	1.5	2.8
S.D.	3.3	0.05	58.4	0.00	12.3	30.[illegible]	0.17	0.17	0.66	0.83	0.08	0.1[illegible]

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016723

TABLE 27.1

BIOCHEMISTRY

CONTROL - MONTH 15

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (UTM/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/ML)
FEMALES											
766-F (7)	0.1	244.0	495.0	152.0	12.0 *	110.0	5.3	157.0	107.0	19.0	41.0
200-F (6)	0.2	132.0	1345.0	97.0	98.0 *	246.0	4.5	153.0	105.0	21.0	129.0
274-F (7)	0.1	129.0	615.0	184.0	59.0 *	23.0	6.1	151.0	101.0	16.0	31.0
569-H	0.1	151.0	1245.0	142.0	31.0	42.0	4.5	153.0	114.0	7.0	85.0
578-H (7)	0.1	131.0	1075.0	116.0	17.0 *	17.0	4.7	159.0	108.0	20.0	50.0
604-I	0.1	178.0	440.0	151.0	6.0	17.0	5.1	152.0	102.0	23.0	62.0
618-I (7)	0.3	226.0	1125.0	180.0	20.0 *	465.0	4.4	155.0	114.0	13.0	71.0
MEAN	0.1	170.1	905.7	146.0	18.5	137.1	4.9	154.3	107.3	17.0	67.0
S.D.	0.08	47.8	377.5	31.6	17.7	166.3	0.61	2.9	5.2	5.5	32.4
MALES											
739-F	0.2	161.0	580.0	147.0	10.0	26.0	3.1	148.0	107.0	23.0	23.0
227-G	0.3	132.0	545.0	235.0	3.0	26.0	3.3	154.0	108.0	18.0	62.0
426-G	0.2	241.0	880.0	176.0	21.0	347.0	3.8	153.0	110.0	27.0	13.0
418-J	0.1	332.0	850.0	145.0	59.0	46.0	4.5	153.0	114.0	13.0	59.0
MEAN	0.2	216.5	713.8	175.8	23.3	111.3	3.7	152.0	109.8	19.0	35.3
S.D.	0.08	89.7	175.7	42.0	25.0	157.4	0.62	2.7	3.1	4.5	24.0

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016724

TABLE 27.2

BIOCHEMISTRY

5 UG/KG - MONTH 15

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
446-E	16.0	1.0	151.0	0.0	44.0	22.0	7.6	4.1	10.2	2.9	1.2	3.5
483-F (2)	11.0	0.9	98.0	0.0	39.0	22.0	7.3 a	4.2	10.4	4.5	1.4	3.1 a
605-F (7)	15.0	1.3	145.0 a	0.1	60.0	25.0	8.4A	4.2	11.5	4.1	1.0	4.4 a
819-H	12.0	1.1	136.0	0.0	40.0	14.0	7.3	4.2	11.0	3.0	1.4	3.1
296-I (3)	14.0	1.3	85.0	0.7	42.0	31.0	7.2 a	3.7	11.0	5.2	1.1	3.5 a
309-I (4)	12.0	0.9	67.0 a	0.5 a	30.0	17.0	6.7 a	3.5 a	10.7	3.2	1.1 a	3.2
624-I (7)	15.0	1.1	129.0 a	0.4	40.0	20.0	7.1	3.9	11.2	4.7	1.2	3.2
MEAN	13.6**	1.1	115.5	0.2	42.1	21.6	7.4	4.0	10.9*	3.9	1.2	3.5
S.D.	1.9	0.17	33.0	0.29	9.0	5.5	0.67	0.21	0.49	0.91	0.14	0.54
MALES												
516-G	23.0	1.7	153.0	0.0	47.0	28.0	7.5	4.2	10.8	4.1	1.1	3.3
119-H	20.0	1.2	110.0	0.0	48.0	26.0	6.9	4.0	10.2	3.2	1.4	2.9
424-J	20.0	1.3	125.0	0.0	52.0	28.0	7.3	4.5	10.2	5.3	1.6	2.8
432-J	17.0	1.3	108.0	0.0	47.0	31.0	7.5	4.1	9.8	4.1	1.2	3.4
MEAN	20.0	1.4	124.0	0.0	48.5	25.8	7.3	4.2	10.2	4.1	1.4	3.1
S.D.	2.4	0.22	20.8	0.00	2.4	3.3	0.28	0.22	0.41	0.69	0.17	0.29

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

Note: Blood not drawn on 701-E.

TABLE 27.3

[illegible]

5 UG/KG [illegible] 15

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	FOL IRON (NG/DL)	TRIGLYC (MG/ML)	CPK (UIU/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC (MG/DL)
FEMALES											
446-F	0.3	106.0	895.0	152.0	62.0	[illegible]	3.7	152.0	120.0	12.0	48.0
483-F (2)	0.1	103.0 a	850.0	156.0	15.0 a	[illegible]	4.1	154.0	109.0	17.3	31.0 a
485-F (7)	0.1	231.0	1340.0	121.0	13.0 a	[illegible]	4.9	151.0	109.0	12.0	42.0
499-H	0.1	123.0	1170.0	130.0	39.0	[illegible]	3.8	156.0	108.0	20.0	38.6
284-I (3)	0.1	96.0 a	411.0	159.0	22.0 a	[illegible]	5.1	159.0	103.0	14.0	36.0 a
309-I (6)	0.1	159.0	890.0	214.0	123.0	[illegible]	3.8	144.0	105.0	19.0	47.0
624-I (7)	0.1	136.0	1280.0	130.0	21.0 a	[illegible]	4.3	154.0	106.0	18.3	48.0
MEAN	0.1	151.0	976.6	151.7	74.7	[illegible]	4.2*	152.6	108.6	16.3	38.6
S.D.	0.09	48.7	319.3	31.2	43.4	[illegible]	0.56	2.8	5.5	3.5	7.5
MALES											
514-G	0.2	139.0	780.0	196.0	25.0	[illegible]	4.1	155.0	110.0	17.0	48.0
519-H	0.1	151.0	625.0	215.0	55.0	[illegible]	3.7	149.0	109.0	19.0	55.0
428-J	0.1	111.0	985.0	177.0	42.0	[illegible]	3.8	151.0	104.0	20.0	54.0
432-J	0.1	203.0	880.0	220.0	25.0	[illegible]	3.4	150.0	109.0	17.0	65.0
MEAN	0.1	151.0	817.5	202.0	35.5	[illegible]	3.7	151.8	109.0	18.8	55.0
S.D.	0.05	38.5	153.2	19.6	12.6	[illegible]	0.29	2.8	0.8	1.5	8.8

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016726

TABLE 27.4

BIOCHEMISTRY

25 MG/KG - [illegible]

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
262-E [illegible]	31.0	1.1	137.0 a	0.0	51.0	47.0	7.0	3.5	11.1	7.5	1.0	3.5
263-E [illegible]	15.0	1.1	208.0 a	0.0	30.0	5.0	8.0	4.0	10.7	6.8	1.0	3.6
280-G [illegible]	34.0	1.3	133.0	0.0	37.0	29.0	7.3 a	4.1	10.2	9.1	1.3	3.2 a
540-H [illegible]	27.0	1.2	155.0 a	0.0	35.0	13.0	7.9	4.0	9.9	5.8	1.0	3.9
861-H [illegible]	21.0	1.2	107.0 a	0.0	43.0	30.0	6.9	3.9	10.7	5.3	1.3	3.0
273-I [illegible]	16.0	1.3	124.0 a	0.0	40.0	35.0	7.7	4.0	10.9	5.3	1.1	3.7
307-I	18.0	1.1	125.0	0.0	48.0	34.0	7.2	3.9	10.2	6.3	1.2	3.3
757-I [illegible]	24.0	1.5	151.0 a	0.0	41.0	8.0	8.4	4.6	11.7	6.6	1.2	3.8
MEAN	20.8	1.2	129.0*	0.0	43.1	25.4	7.6	4.0	10.7	5.6	1.1	3.5
S.D.	6.1	0.14	5.7	0.00	9.6	15.0	0.56	0.30	1.02	1.21	0.13	0.33
MALES												
020-I	17.0	1.7	171.0	0.2	53.0	67.0	7.5	4.2	10.8	4.4	1.3	3.3
046-I	19.0	1.3	129.0	0.0	66.0	29.0	7.0	3.9	9.5	4.1	1.3	3.1
595-I	16.0	1.3	110.0	0.0	65.0	90.0	7.5	4.0	10.3	2.7	1.1	3.6
599-I	26.0	1.7	136.0	0.0	49.0	34.0	7.3	4.1	10.2	5.8	1.3	3.2
MEAN	19.5	1.5	136.5	0.0	58.3	56.3	7.3*	4.0	10.2	3.7	1.2**	3.3**
S.D.	4.9	0.23	25.5	0.10	10.1	27.7	0.26	0.13	0.54	0.74	0.10	0.22

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016727

TABLE 27.5

BIOCHEMISTRY

25 UG/KG - MONTH 15

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRG (MU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (UIU/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
762-E (6)	0.1	163.0	1300.0	216.0	41.0 @	58.0	6.4	155.0	114.0	15.0	50.0
763-E (7)	0.1	94.0	1530.0[4]	100.0[4]	33.0 @	93.0	5.7	160.0	108.0	14.0	67.0
781-G (1)	0.1	104.0 @	960.0	144.0	28.0 @	51.0	4.5	152.0	108.0	18.0	44.0 *
540-H (7)	0.2	150.0	477.0	159.0	29.0 @	41.0	4.3	156.0	116.0	18.0	62.0
841-H (7)	0.1	206.0	670.0	162.0	42.0 @	91.0	5.1	153.0	112.0	18.0	56.0
273-I (7)	0.1	156.0	1120.0	152.0	147.0 @	203.0	4.3	151.0	111.0	9.0	82.0
107-I	0.1	80.0	1305.0	196.0	100.0	733.0	4.8	156.0	114.0	17.0	55.0
751-I (7)	0.1	168.0	1025.0	230.0	33.0 @	46.0	5.4	156.0	109.0	13.0	85.0
MEAN	0.1	146.4	1048.4	169.9	100.0	165.1	5.1	154.9	110.3	15.3	65.1
S.D.	0.04	44.1	347.3	42.2	.	235.4	0.74	2.9	3.0	3.2	13.6
MALES											
020-I	0.1	184.0	675.0	235.0	23.0	305.0	3.9	153.0	114.0	9.0	118.0
046-I	0.1	93.0	1660.0	190.0	58.0	5855.0	3.7	149.0	108.0	16.0	66.0
595-I	0.1	136.0	610.0	205.0	18.0	829.0	4.0	150.0	109.0	17.0	61.0
599-I	0.1	137.0	720.0	230.0	57.0	315.0	3.7	152.0	111.0	13.0	50.0
MEAN	0.1*	137.5	916.3	215.0	39.0	1826.0	3.8	151.0	110.5	13.8	73.8
S.D.	0.00	37.2	497.9	21.2	21.5	2697.1	0.15	1.8	2.6	3.5	30.2

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016728

TABLE 27.6

BIOCHEMISTRY

100 MG/KG - MONTH 15

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (G/DL)
FEMALES												
226-F (S)	24.0	1.2	147.0 a	0.0 a	50.0	14.0	7.0 a	3.8 a	9.5	7.6	1.2 a	3.7
249-S	11.0	1.0	105.0	0.0	47.0	32.0	7.4	4.0	10.6	5.4	1.2	3.4
287-J	12.0	1.1	112.0	0.0	41.0	16.0	6.7	3.7	9.1	4.9	1.2	3.0
312-J (F)	16.0	1.4	107.0 a	0.0	25.0	11.0	7.5	4.8	11.6	5.3	1.6	3.1
338-I	19.0	1.1	89.0	0.0	41.0	23.0	7.3	3.7	9.7	7.4	1.0	3.6
MEAN	16.4	1.2	101.3**	0.0	40.0	19.2	7.3	4.0	10.1**	5.7	1.2	3.3
S.D.	5.3	0.15	11.6	0.00	9.7	8.4	0.49	0.52	1.00	1.38	0.25	0.24
MALES												
706-E	29.0	1.5	99.0	0.0	34.0	27.0	6.5	3.5	9.1	4.6	1.1	3.0
600-I	19.0	1.2	105.0	0.0	38.0	12.0	7.1	4.1	10.5	4.7	1.4	3.4
425-J	20.0	1.4	129.0	0.0	39.0	13.0	8.3	4.0	10.8	4.6	1.0	4.0
427-J	17.0	1.5	102.0	0.0	30.0	21.0	7.0	4.2	10.9	5.6	1.2	3.5
MEAN	23.3	1.4	108.0	0.0	37.5	18.3	7.3	3.9	10.3	4.8	1.24	3.49
S.D.	6.1	0.14	11.7	0.00	2.4	1.1	0.69	0.31	0.41	0.43	0.14	0.49

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 27.7

BIOCHEMISTRY

100 UG/KG - MONTH 15

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/ML)	EPK (UIU/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/ML)
FEMALES											
226-F (5)	0.2	72.0	615.0	166.0	122.0	1052.0	3.1	142.0	103.0	15.0	24.0
269-I	0.1	170.0	725.0	180.0	101.0	58.0	5.1	155.0	115.0	9.0	105.0
287-I	0.1	145.0	433.0	185.0	42.0	57.0	4.0	148.0	109.0	11.0	67.0
312-I (7)	0.1	176.0	480.0	220.0	23.0 *	33.0	4.6	155.0	105.0	20.0	61.0
318-I	0.1	137.0	960.0	207.0	37.0	192.0	4.6	149.0	113.0	14.0	69.0
MEAN	0.1	140.0	644.2	193.2*	75.5	276.4	4.3	149.8	109.0	13.8	65.2
S.D.	0.04	41.4	209.8	24.4	42.5	418.2	0.77	5.4	5.1	4.2	28.4
MALES											
706-E	0.1	99.0	319.0	220.0	57.0	48.0	4.4	150.0	109.0	21.0	54.0
400-I	0.0	112.0	995.0	264.0	182.0	42.0	4.0	156.0	110.0	20.0	50.0
425-J	0.1	138.0	499.0	210.0	43.0	35.0	5.4	156.0	110.0	23.0	66.0
427-J	0.1	319.0	305.0	175.0	25.0	34.0	4.3	155.0	110.0	16.0	65.0
MEAN	0.1*	167.0	629.5	217.1	76.8	37.0	4.5	154.3	109.8	20.0	58.8
S.D.	0.05	102.6	290.2	36.7	71.4	7.4	0.61	2.9	0.5	2.9	4.0

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016730

TABLE 28

BIOCHEMISTRY

CONTROL - MONTH 16

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
764-E	14.0	1.3	159.0	0.0	32.0	32.0	7.7	4.1	10.6	4.5	1.1	3.6
280-F (?)	16.0	1.3	149.0 a	0.1	45.0	20.0	7.8	3.5	11.4	3.9	0.9[a]	4.7[a]
274-F	15.0	1.3	197.0	0.2	50.0	33.0	8.4	4.6	11.7	4.3	1.2	3.8
569-H	15.0	1.1	149.0	1.4	38.0	26.[illegible]	7.9	3.8	10.5	3.6	1.0[a]	4.[illegible][a]
578-H	20.0	1.4	155.0	1.5	88.0	47.0	8.0	4.3	12.4[a]	5.0	1.2	3.[illegible]
604-I	16.0	1.2	189.0	1.2	39.0	21.0	7.8	4.0	10.9	4.3	1.1	3.8
618-I	18.0	1.2	136.0	1.1	47.0	39.[illegible]	7.6	3.7	10.2	5.0	1.1[a]	3.6[a]
MEAN	15.9	1.3	164.2	0.8	48.4	31.1	7.9	4.0	11.1	4.4	1.1	3.[illegible]
S.D.	3.1	0.10	23.8	0.66	18.5	9.8	0.26	0.37	0.77	0.52	0.11	0.40
MALES												
227-G	28.0	1.8	170.0	0.4	34.0	38.0	7.0	4.1	9.8	4.2	1.4	2.[illegible]
476-G	33.0	1.8	95.0	0.6	51.0	57.0	6.7	3.8	9.1	4.0	1.3	2.[illegible]
739-F	19.0	1.3	90.0	0.1	46.0	87.0	7.2	4.0	9.6	4.1	1.3	3.[illegible]
418-J	19.0	1.9	147.0	1.0	44.0	87.[illegible]	7.6	4.5	10.6	4.3	1.5	3.1
MEAN	24.8	1.7	125.5	0.5	43.8	62.[illegible]	7.1	4.1	9.8	4.6	1.4	3.0
S.D.	6.9	0.27	39.3	0.38	7.1	20.[illegible]	0.38	0.[illegible]	0.67	1.10	0.1[illegible]	0.15

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016731

TABLE 28.1

BIOCHEMISTRY

CONTROL - MONTH 16

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT PROT (MG/DL)	TRIGLYC (MG/DL)	CPK (IU/L/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
764-E	0.1	243.0	995.0	121.0	23.0	26.0	4.8	151.0	111.0	26.0	63.0
200-E (T)	0.3	194.0	1430.0	82.0	28.0	55.0	5.6	154.0	111.0	26.0	72.0
274-F	0.2	199.0	1295.0	67.0	12.0	58.0	5.4	157.0	107.0	28.0	52.0
569-H	0.2	121.0	1650.0	93.0	16.0	27.0	4.4	154.0	109.0	21.0	57.0
578-H	0.2	135.0	496.0	119.0	43.0	70.0	4.3	160.0	118.0	17.0	70.0
804-I	0.2	231.0	1020.0	113.0	12.0	13.0	4.5	155.0	108.0	24.0	74.0
618-I	0.4	326.0	1130.0	101.0	4.0	11.0	4.0	153.0	110.0	32.0	12.0*
MEAN	0.2	207.0	1165.1	99.4	18.3	32.9	4.7	154.9	109.6	27.1	57.9
S.D.	0.10	69.3	369.3	20.1	6.2	10.2	0.59	2.9	1.6	4.3	21.4
MALES											
739-F	0.1	148.0	434.0	163.0	22.0	33.0	3.3	149.0	104.0	28.0	17.0
227-G	0.2	180.0	417.0	197.0	43.0	279.0	3.1	152.0	107.0	28.0	42.0
426-G	0.1	203.0	695.0	213.0	27.0	32.0	3.6	149.0	104.0	27.0	31.0
518-J	0.1	337.0	486.0	169.0	74.0	104.0	4.0	155.0	107.0	33.0	44.0
MEAN	0.1	199.0	508.0	185.5	41.5	119.5	3.5	151.3	105.3	27.0	33.5
S.D.	0.05	99.9	128.1	23.6	23.4	111.4	0.39	2.9	2.1	2.8	20.4

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 28.2

BIOCHEMISTRY

5 UG/KG - MONTH 1%

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
646-E	18.0	0.9	149.0	1.0	40.0	25.0	7.4	3.7	9.7	2.5	0.9	4.0
701-E (3)	18.0	1.2	173.0 a	1.2	25.0	25.0	6.2	4.3	10.0 a	5.3	1.1	1.9 a
483-E (3)	19.0	0.8	75.0	1.0	31.0	31.0	7.2 2	3.7	10.1	3.6	1.1	3.5 a
605-E	12.0	1.4	152.0	1.2	28.0	23.0	8.4 a	4.2	11.5	4.1	1.1 a	4.2 a
899-H	15.0	0.9	150.0	1.0	40.0	38.0	7.6	4.0	9.8	2.8	1.1	3.6
284-I (4)	13.0	1.3	95.0 a	1.0 a	28.0	35.0	7.4 4	3.5 3	10.0	4.5	0.9 a	4.1 a
309-I (5)	11.0	0.7	64.0 a	0.7 a	29.0	0.0	6.8 4	3.4 a	9.7	3.5	0.9 a	3.4
624-I	17.0	1.2	186.0	1.0	75.0	15.0	8.1	4.1	11.8 a	6.6	1.1 a	3.7 a
MEAN	15.1	1.0	142.4	1.1	37.0	28.0	8.0	4.0	10.4	4.1	1.1	3.8
S.D.	3.2	0.26	40.7	0.10	16.3	21.0	0.36	0.25	0.85	1.10	0.10	0.8
MALES												
516-G	24.0	2.0	191.0	0.4	50.0	50.0	7.3	4.0	10.3	3.4	1.2	3.3
119-H	20.0	1.3	102.0	0.5	42.0	38.0	7.4	4.2	9.8	3.2	1.2	3.4
424-J	22.0	1.5	110.0	0.2	61.0	23.0	7.4	4.3	9.8	3.8	1.4	3.1
432-J	19.0	1.7	97.0	0.5	46.0	14.0	7.6	4.0	9.7	4.5	1.1	3.6
MEAN	21.3	1.6	110.0	0.4	49.8	26.3	7.4	4.1	9.7	3.7	1.2	3.3
S.D.	2.2	0.30	15.0	0.14	8.2	16.1	0.13	0.15	0.36	0.57	0.13	0.21

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 28.3

BIOCHEMISTRY

5 UG/KG - MONTH 16

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (IU/L)	LAC DEHYDRO (IU/L)	TOT PROT (MG/DL)	TRIGLYC (MG/DL)	CPK (IU/L)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
646-E	0.3	106.0	755.0	130.0	29.0	551.0	3.7	150.0	111.0	18.0	87.0
701-E (T)	0.1	197.0	1260.0	88.0	19.0 a	31.0	4.1	157.0	105.0	16.0	69.0
483-E (B)	0.2	99.0 a	930.0	89.0	37.0 a	52.0	3.8	152.0	107.0	20.0	78.0 a
695-E	0.1	227.0	1185.0	119.0	0.0	22.0	5.1	160.0	118.0	6.0	71.0
839-H	0.1	129.0	1025.0	130.0	35.0	126.0	3.8	156.0	113.0	16.0	90.0
284-S (W)	0.2	83.0	461.0	80.0	25.0	45.0	4.3	155.0	113.0	16.0	80.0
103-E (S)	0.1	198.0	1140.0	123.0	106.0	4.0	5.3	156.0	109.0	17.0	84.0
426-E	0.3	172.0	1545.0	84.0	19.0	31.0	5.3	160.0	110.0	17.0	83.0
MEAN	0.2	150.9	1032.6	106.4	35.7	72.5	4.1	153.9	110.6	15.5	84.1
S.D.	0.09	53.6	333.4	20.8	36.5	175.2	0.60	5.0	4.1	4.2	25.7
MALES											
516-G	0.1	137.0	595.0	199.0	38.0	13.0	4.0	152.0	106.0	22.0	93.0
119-H	0.1	151.0	627.0	176.0	49.0	15.0	3.8	149.0	111.0	17.8	92.0
628-J	0.1	116.0	1015.0	172.0	55.0	12.5.0	3.3	147.0	102.0	25.0	93.0
432-J	0.1	220.0	935.0	176.0	6.0	241.0	4.7 a	147.0	103.0	20.0	77.0 a
MEAN	0.1	155.5	743.0	180.3	37.5	502.8	3.7	154.8	105.5	21.0	91.0
S.D.	0.00	45.6	278.5	12.6	20.9	5.5.9	0.58	2.5	4.0	3.4	10.5

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 28.4

BIOCHEMISTRY

25 [illegible] - MARCH 16

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (IU/ML)	SGPT (IU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
762-E (7)	20.0	1.1	126.0 a	1.0	55.0	89.0	7.9	4.0	11.3	4.8	1.0	3.9
763-E	13.0	1.2	200.0	1.2	55.0	15.0	7.8	4.2	11.5	4.7	1.2	3.6
281-G (2)	13.0	0.9	96.0	0.0	34.0	17.0	7.6 a	3.7	10.7	4.6	1.0[A]	3.9 [A]
540-H	24.0	1.0	143.0	0.0	30.0	14.0	7.5	3.9	10.6	2.6	1.1	3.4
861-H	19.0	1.2	92.0	0.7	47.0	47.0	7.1	3.7	10.2	4.2	1.1	3.4
271-I	19.0	1.4	146.0	0.0	33.0	36.0	8.1	4.1	11.3	4.5	1.0[A]	3.4[A]
387-I	18.0	1.0	119.0	0.0	30.0	22.0	7.2	3.7	9.7	5.4	1.1	3.5
757-I	22.0	1.6	114.0	0.1	70.0	30.0	7.0	4.1	11.3	3.9	1.1	3.2
MEAN	19.5	1.2	130.0	0.4	48.8	33.4	7.6	3.9	10.9	4.6	1.1	3.4
S.D.	5.2	0.23	37.2	0.51	11.9	25.1	0.37	0.21	0.68	1.18	0.06	0.22
MALES												
020-I	19.0	1.6	159.0	0.5	73.0	58.0	7.1	3.9	9.6	3.4	1.2	3.2
016-J	19.0	1.6	122.0	0.5	47.0	31.0	6.9	3.7	9.0	2.8	1.2	3.2
595-I	18.0	1.4	106.0	0.3	47.0	36.0	7.7	3.8	9.9	3.6	1.0[A]	3.6[A]
599-I	17.0	2.0	106.0	0.4	35.0	11.0	7.5	4.2	10.5	2.7	1.1	3.1
MEAN	18.3	1.6	123.3	0.4	50.5	34.0	7.3	3.9	9.7	3.10	1.21	3.4
S.D.	1.0	0.25	25.0	0.10	16.0	19.1	0.37	0.22	0.62	0.41	0.11	0.16

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 28.5

BIOCHEMISTRY

25 UG/KG MONTH 16

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (UIU/DL)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
762-E (7)	0.1	195.0	935.0	211.0	26.0 a	19.0	5.0	158.0	109.0	18.0	67.0
763-E	0.2	105.0	1065.0	127.0	5.0	35.0	4.5	156.0	103.0	14.0	71.0
281-G (2)	0.1	97.0 a	1070.0	149.0	12.0 a	17.0	4.8	149.0	108.0	16.0	1.0 a
540-H	0.1	91.0	995.0	229.0	69.0	25.0	4.4	152.0	106.0	11.0	59.0
841-H	0.1	244.0	720.0	224.0	32.0	16.0	4.7	156.0	111.0	21.0	62.0
273-I	0.1	183.0	875.0	161.0	93.0	42.0	4.1	152.0	108.0	12.0	67.0
307-I	0.1	77.0	915.0	190.0	86.0	21.0	4.1	150.0	107.0	17.0	52.0
757-I	0.1	164.0	1130.0	238.0	54.0	179.0	5.0	153.0	103.0	20.0	35.0
MEAN	0.1**	151.3	963.1	191.1**	56.5*	70.5	4.6	153.3	106.9*	16.1	64.7
S.D.	0.04	61.9	131.3	41.2	33.5	124.4	0.37	3.2	2.8	3.6	19.5
MALES											
028-I	0.1	177.0	880.0	242.0	20.0	1052.0	3.7	145.0	106.0	18.0	48.0
046-I	0.1	87.0	750.0	197.0	103.0	640.0	3.2	148.0	105.0	20.0	35.0
595-I	0.1	157.0	560.0	125.0	10.0	52.0	3.7	148.0	103.0	28.0	15.0 a
599-I	0.1	159.0	700.0	113.0	60.0	59.0	3.5	155.0	109.0	23.0	23.0
MEAN	0.1	145.0	722.5	169.5	48.3	433.5	3.5	149.0	105.8	22.3	30.3
S.D.	0.00	39.7	132.3	61.1	42.4	483.8	0.25	4.2	2.5	4.3	14.4

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016736

DAY : 28.6

PERIOD HISTORY

100 MG/KG - MONTH 16

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	UREIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
226-E	24.0	1.2	93.0	0.9	33.0	[illegible]	7.2	3.5	9.4	5.1	1.1[a]	3.2
269-J	12.0	1.0	106.0	0.9	37.0	[illegible]	7.8	4.0	11.2	4.6	1.1	3.7
287-I	17.0	1.2	116.0	1.1	39.0	24.3	7.2	3.7	10.1	3.3	1.1	3.3
312-E	24.0	1.0	176.0	0.7	35.0	170.1	8.5[a]	5.2[a]	12.0[a]	7.8	1.4	3.5
338-E	18.0	1.2	84.0	1.1	44.0	25.1	7.7	3.5	9.8	5.1	0.8	4.2
MEAN	19.0	1.3	115.0[a]	0.9	37.6	68.4	7.7	4.0	10.5	4.4	1.1	3.8
S.D.	5.1	0.30	36.2	0.17	4.2	68.0	0.54	0.71	1.07	1.09	0.21	0.47
MALES												
206-E	33.0	1.7	72.0	0.3	52.0	82.3	6.6	3.4	11.4	5.8	1.1	3.2
600-E	24.0	1.4	109.0	0.3	31.0	15.1	7.7	4.3	10.5	4.5	1.3	3.4
425-J	31.0	1.6	133.0	0.5	38.0	9.1	8.0	4.1	10.4	3.7	1.1	4.0[a]
427-J	18.0	1.7	97.0	0.7	38.0	17.0	8.0	4.1	10.7	4.6	1.2	3.7
MEAN	26.5	1.6	102.8	0.4	39.8	30.1	7.6	4.0	10.1	3.6	1.2[a]	3.6
S.D.	6.9	0.14	25.4	0.19	8.8	34.1	0.67	0.43	0.43	1.30	0.10	0.15

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016737

TABLE 28.7

BIOCHEMISTRY

100 MG/KG - PHASE 16

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (MU/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
226-I	0.1	101.0	610.0	234.0	51.0	642.0	4.2	151.0	113.0	10.0	69.0
269-I	0.0	201.0	660.0	181.0	71.0	145.0	4.3	151.0	109.0	16.0	77.0
287-I	0.1	154.0	328.0	202.0	46.0	76.0	3.1	153.0	106.0	15.0	57.0
312-I	0.1	144.0	186.0	276.0a	12.0	8.0	5.1	160.0	109.0	6.0	93.0
338-I	0.1	231.0	730.0	257.0	65.0	13.0	4.0	153.0	109.0	16.0	77.0
MEAN	0.1a*	166.2	502.0a*	230.0a*	49.0a*	272.8	4.2	154.8	109.2	12.6	70.4
S.D.	0.04	50.8	233.8	38.9	25.0	294.4	0.79	3.6	2.5	4.4	20.7
MALES											
706-E	0.1	103.0	261.0	167.0	8.0	48.0	4.9	153.0	113.0	17.0	59.0
600-I	0.1	127.0	635.0	187.0	76.0	30.0	4.2	156.0	108.0	25.0	30.0
425-J	0.1	118.0	480.0	241.0	47.0	13.0	4.4	154.0	106.0	22.0	35.0
427-J	0.1	315.0	565.0	233.0	15.0	1.0	3.5	151.0	105.0	23.0	46.0
MEAN	0.1	165.8	485.3	207.0	36.5	23.0	4.2	153.5	108.0	22.0	47.3
S.D.	0.00	100.0	162.4	35.7	31.3	20.5	0.58	2.1	3.6	2.6	12.6

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016738

TABLE 29

BIOCHEMISTRY

CONTROL MONTH 17

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (G/DL)	ALB (G/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (G/DL)
FEMALES												
704-C	16.0	1.2	161.0	0.2	33.0	42.0	7.3	4.9	10.0	5.4	1.1	3.4
290-T	19.0	1.2	173.0	0.0	44.0	20.0	6.2	3.7	11.5	3.9	0.74	4.68
776 F	12.0	1.1	186.0	0.2	35.0	45.0	9.4	4.4	11.1	5.1	1.1	4.0
569-H	15.0	1.0	147.0	0.3	56.0	41.0	7.6	4.7	9.8	3.0	0.9	3.9
578-H	16.0	1.4	177.0	0.4	46.0	39.0	7.7	4.1	10.7	7.5	1.1	3.6
604-I	11.0	1.1	172.0	0.2	42.0	28.0	7.6	4.0	10.6	4.3	1.1	3.6
618-I	20.0	0.9	157.0	0.2	55.0	65.0	6.8	3.3	9.5	4.5	0.9	3.5
MEAN	15.9	1.1	167.3	0.2	44.4	40.0	7.7	3.9	10.5	4.9	1.0	3.8
S.D.	2.9	0.16	13.1	0.12	8.9	14.1	0.51	0.33	0.72	1.47	0.16	0.41
MALES												
227-G	23.0	1.3	135.0	1.0	39.0	47.0	6.9	3.3	10.0	4.1	1.2	3.1
476-G	26.0	1.0	97.0	0.3	45.0	63.0	6.9	3.7	9.8	2.7	1.2	3.2
334-J	23.0	1.3	93.0	0.1	48.0	62.0	7.2	3.8	9.5	3.4	1.1	3.4
618-J	21.0	1.6	163.0	1.0	47.0	50.0	7.8	4.5	11.0	5.2	1.3	3.4
MEAN	22.8	1.5	132.0	0.6	44.8	57.1	7.2	3.9	10.1	3.9	1.2	3.1
S.D.	2.4	0.24	43.8	0.47	4.0	10.4	0.42	0.57	0.65	1.04	0.08	0.15

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 29.1

HICCH-PESTAT

CONTROL - MONTH 17

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHT (MU/ML)	LAC DEHYDRO (MU/ML)	TOT PROT (MG/DL)	TRIGLYC (MG/DL)	CPK (MIU/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
764-F	0.1	222.0	347.0	164.0	19.0	143.0	4.5	150.0	112.0	22.0	84.0
208-F	0.1	312.0	1210.0	209.0	33.0	81.0	4.9	157.0	109.0	23.0	61.0
274-F	0.2	229.0	570.0	135.0	14.0	62.0	5.0	153.0	114.0	17.0	57.0
569-M	0.1	133.0	1095.0	134.0	42.0	119.0	3.7	131.0	112.0	15.0	91.0
578-M	0.2	183.0	525.0	129.0	17.0	122.0	4.1	156.0	115.0	8.0	93.0
486-I	0.2	226.0	585.0	72.0	11.0	60.0	3.9	148.0	106.0	20.0	92.0
618-I	0.2	263.0	438.0	122.0	20.0	66.0	3.8	148.0	108.0	22.0	91.0
MEAN	0.2	223.7	733.1	136.4	27.0	98.0	4.3	152.4	110.9	18.7	97.3
S.D.	0.00	64.7	384.1	48.5	13.9	37.4	0.93	6.1	3.1	9.0	9.0
MALES											
739-F	0.2	169.0	991.0	127.0	16.0	93.0	3.9	152.0	112.0	21.0	12.0
227-G	0.2	131.0	995.0	171.0	66.0	96.0	3.7	151.0	110.0	16.0	17.0
526-G	0.1	205.0	1205.0	183.0	31.0	191.0	4.4	152.0	112.0	20.0	10.0
618-J	0.2	158.0	749.0	178.0	61.0	686.0	4.1	159.0	113.0	19.0	17.0
MEAN	0.2	215.0	736.0	178.0	93.5	171.0	3.9	153.5	112.0	18.5	19.0
S.D.	0.00	19.0	335.7	28.5	29.0	168.1	0.44	3.7	1.0	3.1	12.4

0 INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 29.2

BIOCHEMISTRY

5 UG/KG - DAYS 1-7

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MG/ML)	SGPT (MG/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
646-E	18.0	0.9	145.0	0.0	66.0	22.0	7.9	3.8	10.7	3.9	0.9	4.1
701-E	21.0	1.2	150.0	0.3	50.0	55.0	7.7	4.2	11.6	4.9	1.2	3.5
483-F (4)	14.0	0.8	84.0 a	0.6 a	64.0	53.0	6.6 a	3.4 a	10.1	3.6	1.1 a	3.2
605-F	17.0	1.2	155.0	0.2	30.0	38.0	7.7	3.3	10.6	4.8	1.0	3.3
839-H	16.0	0.9	152.0	0.1	41.0	65.0	7.3	3.7	9.2	4.5	1.0	3.6
286-I (5)	13.0	1.1	87.0 a	0.0 a	41.0	24.0	7.4 a	3.4 a	11.4	5.6	0.9 a	4.0
309-J (6)	16.0	0.7	68.0 a	0.0	32.0	9.0	7.2	3.3	10.2	3.2	0.8	3.9
674-I	17.0	0.8	161.0	0.2	45.0	30.0	7.5	3.8	11.0	6.3	1.0	3.7
MEAN	16.8	0.9	151.0*	0.1	46.1	37.0	7.5	3.8	10.4	4.3	1.0	3.7
S.D.	5.4	0.19	8.3	0.12	11.3	19.2	0.27	0.24	0.76	1.38	0.13	0.32
MALES												
516-G	20.0	1.0	133.0	0.6	46.0	26.0	7.2	3.6	9.7	4.1	1.0	3.6
119-H	19.0	1.4	209.0	0.5	45.0	22.0	7.5	3.9	9.8	5.3	1.1	3.6
420-J	24.0	1.4	122.0	0.6	48.0	32.0	7.5	4.1	10.1	5.1	1.2	3.3
432-J	19.0	1.4	99.0	0.6	48.0	24.0	7.9	3.9	9.8	5.5	1.0	4.0
MEAN	20.5	1.5	115.8	0.6	46.8	26.0**	7.5	3.9	9.9	5.0	1.1	3.6
S.D.	2.4	0.25	14.9	0.05	1.5	4.3	0.29	0.21	0.17	0.62	0.10	0.24

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016741

TABLE 29.3

BIOCHEMISTRY

5 UL/KG - MONTH 17

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (UTU/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GENL FAST (MG/DL)
FEMALES											
646-E	0.2	114.0	1035.0	190.0	52.0	[illegible]	3.0	155.0	115.0	18.0	32.0
701-E	0.1	247.0	1480.0	102.0	29.0	159.0	3.9	159.0	109.0	20.0	63.0
483-F (4)	0.1	110.0	915.0	176.0	139.0	79.0	4.1	152.0	104.0	15.0	47.0
605-F	0.1	105.0	399.0	147.0	91.0	[illegible]	4.4	145.0	113.0	21.0	36.0
839-H	0.2	150.0	920.0	139.0	56.0	[illegible]	4.6	149.0	117.0	15.0	39.0
284-I (5)	0.1	80.0	640.0	130.0	39.0	[illegible]	5.0A	156.0	109.0	21.0	[illegible]
309-I (6)	0.2	261.0	1070.0	205.0	258.0 @	[illegible]	3.9	144.0	107.0	16.0	55.0
624-O	0.3	190.0	855.0	91.0	38.0	151.0	5.9	155.0	118.0	14.0	43.0
MEAN	0.2	169.1	914.3	147.5	63.4*	[illegible]	4.1	153.1	111.5	17.8	44.9
S.D.	0.07	63.0	316.9	40.6	38.9	[illegible]	0.86	4.7	5.0	3.3	16.1
MALES											
514-G	0.2	148.0	635.0	153.0	58.0	[illegible]	3.7	150.0	109.0	25.0	34.0
119-H	0.1	129.0	640.0	202.0	53.0	[illegible]	5.1	152.0	106.0	20.0	31.0
428-J	0.2	110.0	710.0	160.0	47.0	115.0	4.2	151.0	108.0	25.0	37.0
432-J	0.1	200.0	1330.0	192.0	31.0	117.0	3.9	153.0	109.0	21.0	29.0
MEAN	0.1	148.0	828.0	176.8	47.3	[illegible]	4.2	151.5	108.0**	22.8	32.0
S.D.	0.06	42.4	335.9	23.9	11.7	[illegible]	0.62	1.1	1.4	2.6	3.5

@ INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016742

TABLE 29.4

BIOCHEMISTRY

25 UG/KG (DAYS 1-7

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (IU/ML)	SGPT (IU/ML)	TOT PRO (G/DL)	ALB (G/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (G/DL)
FEMALES												
262-E	25.0	1.0	134.0	0.3	21.0	107.0	7.3	3.7	11.6	3.9	1.0	3.6
261-E	18.0	1.1	233.0	0.3	42.0	40.0	7.4	4.2	11.9	5.3	1.2	3.4
281-G (3)	14.0	0.9	79.0	0.9	42.0	21.0	6.9	3.8A	9.7	3.7	1.2	3.0 *
560-H	17.0	1.0	140.0	0.3	44.0	13.0	7.4	3.7	10.2	4.5	1.0	3.7
851-H	17.0	0.9	103.0	0.0	51.0	36.0	7.3	3.7	10.0	4.5	1.1	3.3
273-I	18.0	1.1	130.0	0.9	54.0	22.0	7.5	3.6	10.1	4.1	9.9	3.9
307-I	20.0	1.1	171.0	1.0	49.0	37.0	7.5	3.8	10.3	6.4	1.0	3.7
757-I	17.0	1.4	106.0	0.2	58.0	12.0	8.0	4.2	10.6	4.6	1.1	3.6
MEAN	18.1	1.1	133.0	0.5	51.4	36.0	7.5	3.8	10.5	4.6	1.0	3.6
S.D.	3.2	0.16	46.0	0.38	9.6	30.7	0.30	0.23	0.75	0.87	0.10	0.28
MALES												
028-I	21.0	1.4	156.0	0.6	64.0	26.0	7.1	3.6	9.7	3.9	1.0	3.5
046-I	18.0	1.4	126.0	0.5	67.0	43.0	7.2	3.6	9.8	4.6	1.0	3.6
595-I	17.0	1.3	111.0	0.5	68.0	42.0	7.2	3.7	10.1	2.8	0.9	3.8
599-I	21.0	1.5	116.0	0.8	38.0	25.0	7.5	3.9	10.3	4.8	1.1	3.5
MEAN	19.3	1.4	127.3	0.6	56.3	59.0	7.4	3.7	9.8	3.8	1.0*	3.70
S.D.	2.1	0.08	20.2	0.14	13.7	29.8	0.28	0.14	0.53	0.75	0.08	0.22

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016743

TABLE 29.5

BIOCHEMISTRY

25 DEC/76 - MONTH 12

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LDC DEHYDRO (MU/ML)	TOT PROT (MG/DL)	TRIGLYC (MG/DL)	CPK (U/ML)	SERUM UREA (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	URIC ACID (MG/DL)
FEMALES											
742-E	0.1	240.0	1290.0	186.0	59.0	76.0	5.1	151.0	111.0	27.0	6.0
761-E	0.1	170.0	1305.0	218.0	159.0	92.0	5.0	153.0	107.0	32.0	5.0
781-G (3)	0.1	66.0 d	1075.0	181.0	32.0	52.0	4.7	147.0	107.0	26.0	3.0 d
540-H	0.1	134.0	1160.0	190.0	106.0	77.0	4.5	149.0	107.0	25.0	3.0
841-H	0.1	247.0	980.0	206.0	44.0	53.0	5.0	155.0	112.0	29.0	3.0
273-I	0.1	168.0	945.0	175.0	156.0	40.0	4.8	147.0	110.0	27.0	3.0
307-I	0.1	85.0	740.0	201.0	139.0	41.0	4.8	154.0	113.0	28.0	4.0
757-I	0.1	215.0	1020.0	220.0	43.0	232.0	4.9	154.0	108.0	19.0	6.0
MEAN	0.1**	181.1	1061.9*	207.1**	100.3**	67.6	4.9*	152.5	110.0	22.9	4.7
S.D.	0.00	60.5	186.4	35.9	52.6	55.9	0.39	5.3	3.4	5.1	2.5
MALES											
020-I	0.1	211.0	525.0	222.0	72.0	150.0	4.4	150.0	111.0	17.0	6.0
046-I	0.1	88.0	1155.0	181.0	105.0	976.0	3.5	154.0	106.0	23.0	4.0
595-I	0.2	198.0	453.0	160.0	37.0	46.0	3.9	151.0	109.0	25.0	4.0
599-I	0.2	187.0	625.0	122.0	60.0	39.0	4.8	155.0	112.0	13.0	5.0
MEAN	0.1	171.0	639.5	171.3	73.5	240.3	4.1	150.0	110.0	19.5	4.5*
S.D.	0.06	56.7	346.2	41.7	27.8	435.6	0.61	3.1	4.6	5.3	1.0

d INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016744

TABLE 29.6

[illegible]

100 [illegible] - [illegible] 37

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	UREE ACID (MG/DL)	SGOT (IU/ML)	SGPT (IU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
226-1	20.0	1.1	90.0	0.9	42.0	16.0	7.1	3.6	9.0	7.4	0.9	3.7
269-1	13.0	0.9	129.0	0.9	49.0	29.0	7.4	3.8	10.5	5.1	1.1	3.5
287-1	16.0	1.1	156.0	1.0	38.0	19.0	7.3	3.4	10.0	3.8	1.1	3.5
332-1	22.0	0.8	85.0	1.0	41.0	20.0	7.2	4.04	10.0	7.2	1.2	3.16
338-1	15.0	1.1	156.0	0.9	37.0	18.0	7.4	4.2	9.9	5.9	1.3	3.2
MEAN	17.2	1.0	122.8**	0.9**	41.4	18.0	7.3	3.8	9.9	5.4	1.0	3.5
S.D.	3.7	0.14	34.0	0.05	4.7	4.9	0.13	0.35	0.54	1.27	0.21	0.21
MALES												
600-1	23.0	1.2	93.0	0.7	43.0	13.0	7.3	4.0	9.9	4.4	1.2	3.3
625-1	20.0	1.4	146.0	0.8	43.0	16.0	8.2	4.1	10.2	4.5	1.0	4.1
627-1	16.0	1.4	96.0	0.8	41.0	15.0	8.0	4.0	10.7	5.2	1.0	4.0
MEAN	22.3	1.3	111.7	0.8	42.3	14.7**	7.8	4.1	10.4	4.7	1.1	3.8
S.D.	6.0	0.12	29.8	0.06	1.2	1.5	0.47	0.06	0.42	0.44	0.12	0.55

** INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016745

TABLE 29.7

BIOCHEMISTRY

100 UG/KG - MONTH 17

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (UTD/ML)	SERUM PHOS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
226-1	0.1	106.0	660.0	202.0	46.0	135.0	5.1	149.0	113.0	17.0	36.0
269-1	0.1	225.0	780.0	224.0	64.0	41.0	5.1	157.0	113.0	24.0	53.0
287-1	0.1	183.0	391.0	188.0	161.0	85.0	4.7	152.0	109.0	21.0	30.0
312-1	0.1	615.0	490.0	208.0	150.0	176.0	4.6	142.0	104.0	19.0	56.0
338-1	0.1	183.0	1020.0	172.0	59.0	259.0	3.8	149.0	107.0	25.0	45.0
MEAN	0.1*	262.4	668.2	198.8*	96.0**	178.8	4.5	149.0	109.6	21.2	44.0
S.D.	0.00	201.7	247.4	19.8	54.8	137.2	0.51	5.4	3.3	3.3	11.0
MALES											
600-1	0.1	134.0	710.0	210.0	129.0	69.0	5.0	151.0	115.0	16.0	37.0
425-2	0.1	120.0	361.0	138.0	56.0	56.0	4.6	155.0	110.0	19.0	56.0
427-3	0.1	300.0	460.0	100.0	29.0	30.0	4.6	155.0	111.0	20.0	64.0
MEAN	0.1	184.7	510.3	176.0	71.3	63.3	4.7*	154.0	112.0	18.3	52.3*
S.D.	0.00	100.1	179.9	36.2	51.7	23.9	0.23	2.6	2.6	2.1	13.9

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016746

TABLE 30

BIOCHEMISTRY

CONTROL - WEEK 13

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PROT (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
265-C	14.0	1.4	171.0	0.3	34.0	44.0	7.6	4.4	10.1	5.3	1.4	3.2
280-I	17.0	1.2	192.0	0.3	49.0	90.0	7.7	3.7	10.1	4.2	0.9	4.8
274-F	7.0	1.3	197.0	0.8	50.0	70.0	8.2	4.9	10.8	4.1	1.5	3.3
569-H	11.0	1.1	169.0	0.3	59.0	79.0	7.7	4.7	10.1	3.8	1.2	3.5
578-H	10.0	1.4	167.0	0.2	40.0	48.0	7.5	4.4	11.1	4.2	1.6	2.9
604-I	11.0	1.4	182.0	0.3	44.0	40.0	7.4	4.4	10.5	4.6	1.4	3.2
618-I	13.0	1.2	165.0	0.2	52.0	65.0	7.0	3.6	9.9	4.5	1.1	3.4
MEAN	11.9	1.3	177.6	0.3	46.9	63.1	7.6	4.1	10.3	4.3	1.3	3.4
S.D.	3.2	0.12	12.9	0.21	8.3	20.1	0.35	0.47	0.53	0.97	0.24	0.34
MALES												
227-G	23.0	1.5	177.0	0.4	35.0	30.0	6.9	4.3	10.1	4.2	1.3	3.0
426-G	25.0	1.8	125.0	0.4	40.0	85.0	7.3	4.0	10.2	2.9	1.3	3.0
199-I	18.0	1.5	184.0	0.5	42.0	30.0	7.0	4.0	9.7	4.7	1.3	3.0
618-J	19.0	1.8	180.0	0.6	34.0	45.0	7.6	4.5	10.8	4.6	1.5	3.0
MEAN	21.3	1.6	166.5	0.5	38.3	47.5	7.2	4.1	10.2	4.1	1.3	3.0
S.D.	3.3	0.17	30.0	0.10	3.3	26.0	0.37	0.25	0.45	0.83	0.10	0.00

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016747

TABLE 30.1

BIOCHEMISTRY

CONTROL - MONTH 18

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT PROT (MG/DL)	TRIGLYC (MG/DL)	CPK (U/L)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CHOL (MG/DL)	GLUC FAST (MG/DL)
FEMALES											
764-F	0.1	220.0	690.0	356.0	30.0	[illegible]	5.0	151.0	106.0	23.0	92.0
200-F	0.2	288.0	1180.0	641.0	51.0	12[illegible]	4.1	147.0	102.0	23.0	66.0
276-F	0.1	205.0	750.0	347.0	31.0	1[illegible]	5.2	147.0	104.0	6.0	56.0
569-H	0.1	138.0	1690.0	359.0	46.0	[illegible]	5.6	146.0	110.0	11.0	50.0
578-H	0.1	149.0	948.0	334.0	27.0	[illegible]	4.5	156.0	106.0	28.0	31.0
604-I	0.1	207.0	575.0	383.0	19.0	[illegible]	4.4	153.0	107.0	25.0	68.0
618-I	0.1	209.0	845.0	346.0	57.0	[illegible]	3.9	147.0	103.0	18.0	53.0
MEAN	0.1	202.1	952.9	340.6	38.4	[illegible]	4.6	149.9	105.6	19.4	56.0
S.D.	0.04	49.5	378.5	18.6	13.7	[illegible]	0.46	3.6	2.7	7.7	18.5
MALES											
139-F	0.2	115.0	635.0	153.0	20.0	[illegible]	5.04	146.0	104.0	26.0	71.0
227-G	0.1	120.0	890.0	211.0	101.0	[illegible]	3.94	152.0	107.0	21.0	63.0
429-G	0.2	130.0	765.0	188.0	46.0	[illegible]	3.2	150.2	107.2	29.0	29.0
618-J	0.2	269.0	740.0	177.0	55.0	10[illegible]	3.3	155.3	109.0	21.0	54.0
MEAN	0.2	160.5	752.5	182.3	57.5	[illegible]	3.4	150.4	106.8	24.0	54.3
S.D.	0.05	71.5	104.8	24.1	31.1	[illegible]	0.41	3.4	2.1	3.6	19.1

4 INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 30.2

BIOCHEMISTRY

5 MG/KG - MONTH 18

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
646-E	10.0	1.1	143.0	0.2	45.0	38.0	7.5	3.9	9.1	3.6	1.1	3.6
701-E	16.0	1.3	158.0	0.2	58.0	105.0	7.3	4.5	10.3	3.3	1.6	2.8
683-F (5)	5.0	1.0	95.0 a	0.1 a	39.0	62.0	6.7 a	3.6 a	9.2	3.3	1.9 a	3.3
695-F	12.0	1.5	175.0	0.3	45.0	60.0	7.8	4.3	9.8	3.9	1.2	3.5
839-H	15.0	1.1	163.0	0.1	48.0	73.0	7.3	4.1	9.5	3.6	1.3	3.2
286-I (6)	7.0	1.3	181.0 a	0.3	46.0	25.0	7.3	3.4	9.6	3.7	1.0	3.3
389-I (7)	10.0	1.3	157.0 a	0.1	30.0	35.0	6.8	3.6	11.3	4.0	1.2	3.2
624-I	15.0	1.2	165.0	0.3	55.0	33.0	7.5	4.3	11.1	5.7	1.3	3.2
MEAN	11.3	1.2	160.8*	0.2	45.5	54.1	7.5	4.2	10.0	4.2	1.2	3.4
S.D.	4.0	0.16	11.7	0.09	8.0	26.4	0.30	0.32	0.83	1.25	0.19	0.38
MALES												
514-G	17.0	1.7	149.0	0.4	36.0	10.0	7.0	4.2	10.1	3.5	1.1	3.1
119-H	17.0	1.1	185.0	0.4	44.0	20.0	7.1	4.5	9.7	3.5	1.2	4.28
420-J	19.0	1.6	136.0	0.5	61.0	30.0	7.9	4.5	10.1	3.9	1.5	3.0
432-J	17.0	1.5	181.0	0.4	45.0	24.0	7.9	4.1	9.9	3.8	1.2	3.1
MEAN	17.5	1.5	122.8	0.4	47.0	21.0	7.5	4.1	9.7	3.6	1.3	3.6
S.D.	1.0	0.17	23.5	0.05	11.4	8.4	0.45	0.43	0.19	0.36	0.34	0.80

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016749

TABLE 30.3

BIOCHEMISTRY

5 UG/KG - MONTH 18

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRC (MU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (UIU/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
644-E	0.2	185.0	650.0	176.0	69.0	61.0	4.0	148.0	111.0	14.0	46.0
701-E	0.1	271.0	905.0	123.0	77.0	40.0	4.1	147.0	103.0	19.0	23.0
483-F (5)	0.1	138.0	207.0	155.0	61.0	53.0	4.7	147.0	106.0	22.0	37.0
605-F	0.1	143.0	830.0	164.0	105.0	447.0	3.7	147.0	116.0	12.0	63.0
839-H	0.1	132.0	975.0	164.0	73.0	83.0	3.9	150.0	104.0	24.0	25.0
234-I	0.2	117.0	925.0	151.0	50.0	46.0	5.0	146.0	107.0	19.0	42.0
309-I (7)	0.1	220.0	635.0	103.0	97.0 #	187.0	5.5	155.0	104.0	20.0	57.0
624-I	0.1	149.0	1105.0	155.0	70.0	58.0	5.0	157.0	108.0	22.0	37.0
MEAN	0.1	159.4	779.0	148.9	72.1**	121.9	4.5	149.6	106.6	19.0	41.1
S.D.	0.05	56.7	280.1	24.0	17.0	139.6	0.65	4.1	2.9	4.1	14.2
MALES											
516-G	0.2	130.0	780.0	161.0	29.0	212.0	3.9[A]	145.0	103.0	26.0	30.0
119-H	0.1	112.0	770.0	209.0	56.0	49.0	3.3	146.0	103.0	21.0	13.0
428-J	0.2	100.0	1250.0	104.0	33.0	20.0[A]	4.1[A]	152.0	106.0[A]	24.0	47.0
432-J	0.1	146.0	1055.0	176.0	27.0	132.0	3.4	152.0	108.0	22.0	46.0
MEAN	0.1	122.0	963.0	162.5	36.3	103.3	3.7	149.0	105.0	23.3	34.0
S.D.	0.06	20.2	232.1	43.9	13.4	86.7	0.39	3.5	2.4	2.2	16.0

\# INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016750

TABLE 30.0

BIOCHEMISTRY

25 UG/KG - MONTH 18

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
762-E	25.0	1.1	120.0	0.4	48.0	42.0	7.1	4.0	10.5	3.6	1.1	3.0
763-E	18.0	1.0	222.0	0.3	65.0	112.0	7.0	4.1	10.4	3.5	1.6	2.9
281-G (4)	16.0	0.8	75.0 a	0.3 a	40.0	30.0	6.7 a	3.4 a	10.1	3.6	1.0 a	3.3
540-H	21.0	0.9	132.0	0.3	45.0	15.0	7.2	4.1	9.5	3.0	1.3	3.8
661-H	15.0	1.1	102.0	0.5	43.0	30.0	7.3	4.3	10.3	4.4	1.4	3.0
273-I	19.0	1.2	135.0	0.3	58.0	30.0	7.5	4.0	10.5	3.0	1.1	3.5
307-I	18.0	1.1	130.0	0.4	41.0	18.0	7.2	3.9	10.4	5.0	1.2	3.3
757-I	14.0	1.4	107.0	0.4	48.0	5.0	8.0	4.5	11.4	4.0	1.3	3.5
MEAN	18.6**	1.1*	135.4*	0.4	52.0	39.1	7.1	4.2	10.2	3.69	1.3	3.2
S.D.	3.1	0.18	40.2	0.08	10.3	37.8	0.34	0.21	0.80	1.01	0.16	0.27
MALES												
020-I	18.0	1.4	197.0	0.2	60.0	61.0	6.8 b	3.5	9.8	3.2	1.4	2.5
966-I	17.0	1.3	140.0	0.2	46.0	39.0	7.2	4.0	9.1	3.4	1.3	3.2
995-I	16.0	1.3	123.0	0.1	51.0	91.0	8.0	4.2	10.3	2.6	1.3	3.6
999-I	17.0	1.9	153.0	0.2	80.0	40.0	8.0	4.4	10.3	2.5	1.4	3.4
MEAN	17.0*	1.5	140.8	0.2**	59.3*	59.3	7.5	4.1	9.9	3.0	1.3	3.2
S.D.	0.8	0.29	33.0	0.05	15.0	24.8	3.60	0.46	0.48	0.52	0.15	0.54

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 30.5

BIOCHEMISTRY

25 UG/KG - MONTH 18

ANIMAL NUMBER	TOT PIL (MG/DL)	ALK PHOS (MU/ML)	LAC DEHYDRO (MU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (UTU/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
762-F	0.1	184.0	920.0	211.0	73.0	59.0	3.7	146.0	102.0	20.0	37.0
763-E	0.1	132.0	1020.0	191.0	159.0	695.0	3.6	151.0	105.0	18.0	35.0
201-G (4)	0.1	56.0	1230.0	208.0	56.0	51.0	4.2	146.0	104.0	20.0	112.0
540-H	0.1	117.0	1065.0	162.0	95.0	97.0	3.0	144.0	101.0	24.0	39.0
841-H	0.1	240.0	990.0	273.0	57.0	708.0	4.2	147.0	104.0	17.0	65.0
273-I	0.1	161.0	860.0	214.0	193.0	558.0	3.0	147.0	102.0	26.0	39.0
307-I	0.1	73.0	755.0	216.0	131.0	104.0	3.8	154.0	107.0	27.0	34.0
757-I	0.1	178.0	1025.0	269.0	107.0	559.0	4.4	155.0	102.0	22.0	108.0
MEAN	0.1	142.0	945.6	221.0**	109.6**	352.9*	3.9*	148.0	103.4	22.0	59.6
S.D.	0.00	61.2	214.7	37.3	48.8	299.3	0.53	4.1	2.8	4.2	32.4
MALES											
920-I	0.1	182.0	955.0	219.0	61.9	819.0	4.1	148.0	110.0	21.0	52.0
896-I	0.1	80.0	845.0	202.0	133.0	96.0	3.8	149.0	109.0	18.0	42.0
595-I	0.1	167.0	645.0	161.0	53.0	55.0	4.6	152.0	115.0	24.0	32.0
599-I	0.1	110.0	1005.0	157.0	109.0	158.0*	4.5	153.0	116.0	15.0	56.0
MEAN	0.1*	136.0	882.5	145.3	89.9	282.0	4.2	150.3	112.5*	19.5	45.5
S.D.	0.00	46.7	186.2	30.0	38.4	360.5	0.37	2.6	3.5	3.9	10.0

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016752

TABLE 30.6

BIOCHEMISTRY

100 MG/KG - MONTH 18

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
226-F	21.0	1.2	97.0	0.3	35.0	15.0	7.3	4.5	9.4	4.3	0.7	4.8
269-1	10.0	1.0	127.0	0.3	44.0	49.0	7.1	4.0	10.3	3.8	1.3	5.1
287-1	13.0	1.2	143.0	0.4	33.0	31.0	7.0	4.2	9.7	2.8	1.5	5.0
312-1	15.0	1.3	165.0	0.5	35.0	19.0	7.2	4.4	10.0	3.7	1.6	2.8
MEAN	14.8	1.2	136.0**	0.4	36.8	28.5*	7.1*	4.3	9.8	3.69	1.1	5.2
S.D.	4.6	0.13	29.1	0.10	4.9	15.3	0.13	0.17	0.19	0.62	0.29	0.43
MALES												
680-1	23.0	1.3	106.0	0.1	40.0	10.0	9.2	4.6	11.2	4.1	1.3	3.6
425-2	32.0	1.4	155.0	0.1	46.0	14.0	8.6	4.5	10.5	5.9	1.2	3.9
427-2	14.0	1.5	103.0	0.3	43.0	20.0	8.1	4.5	10.8	4.7	1.3	3.6
MEAN	23.0	1.4	121.3	0.23	43.0	15.7	8.20*	4.53*	10.8	4.2	1.3	3.70*
S.D.	9.0	0.10	29.2	0.12	3.0	5.0	3.15	0.06	0.35	0.42	0.06	0.17

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 30.7

BIOCHEMISTRY

100 MG/KG - WEEK 13

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (IU/ML)	LAC DEHYDRO (IU/ML)	TOT PROT (MG/DL)	TRIGLYC (MG/DL)	GPT (IU/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	UREA NITR (MG/DL)
FEMALES											
226-F	0.1	123.0	410.0	233.0	90.0	27.0	5.0	149.0	105.0	16.0	53.0
269-1	0.0	159.0	685.0	145.0	136.0	107.0	4.7	150.0	114.0	16.0	61.0
287-1	0.0	195.0	443.0	216.0	162.0	61.0	4.4	146.0	103.0	18.0	52.0
312-1	0.1	169.0	805.0	193.0	47.0	35.0	3.5	147.0	100.0	24.0	57.0
MEAN	0.0	161.5	587.0	196.0**	108.0**	126.7	4.1	144.0	105.5	18.0	53.0
S.D.	0.06	29.8	186.3	38.2	50.9	131.7	0.55	1.8	6.0	4.1	4.1
MALES											
600-E	0.1	110.0	875.0	187.0	52.0	47.0	3.6	153.0	109.0	23.0	50.0
623-J	0.1	89.0	790.0	189.0	72.0	55.0	4.2	150.0	106.0	23.0	55.0
627-J	0.1	206.0	760.0	213.0	39.0	47.0	4.1	152.0	102.0	13.0	73.0
MEAN	0.1	141.7	808.3	173.0	54.3	53.0	4.0	151.7	109.0	19.7	60.7
S.D.	0.00	108.2	59.7	90.8	16.6	13.2	0.38	1.5	3.0	5.8	11.4

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016754

TABLE 38

BIOCHEMISTRY

CONTROL - MONTH 15

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	GLU (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
764-E	16.0	1.4	147.0	0.1	48.0	36.[illegible]	7.3	4.2	12.1	3.8	1.5	3.1
200-F	19.0	1.1	199.0	0.2	61.0	50.[illegible]	7.5	3.8	10.9	3.5	1.0	3.8
774-F	12.0	1.6	200.0	0.2	80.0	85.0	8.3	4.3[d]	11.5	4.8	1.6	3.2
969-H	16.0	1.4	151.0	0.2	61.0	61.[illegible]	7.9	4.4	11.0	3.9	1.3	3.5
538-H	18.0	1.4	137.0	0.1	52.0	58.9	7.8	4.4	10.4	4.8	1.7	2.6
604-I	14.0	1.2	162.0	0.0	55.0	37.0	7.0	4.1	9.9	2.5	1.4	2.9
619-I	18.0	1.4	173.0	0.1	77.0	119.6	7.2	3.7	10.2	3.1	1.1	3.5
MEAN	16.1	1.3	160.1	0.1	60.9	63.1	7.5	4.1	10.6	3.6	1.4	3.2
S.D.	2.5	0.12	26.8	0.08	14.0	28.3	0.49	0.28	0.55	0.84	0.25	0.38
MALES												
227-G	20.0	1.4	173.0	0.2	38.0	39.0	6.9	4.2	10.5	4.9	1.6	2.7
426-G	31.0	1.7	75.0	0.2	52.0	91.0	6.8	4.2	10.5	1.9	1.6	2.6
739-I	21.0	1.4	70.0	0.2	45.0	45.0	6.9	4.2	9.6	3.3	1.6	2.7
488-J	17.0	1.2	151.0	0.3	37.0	45.0	7.6	4.8	10.8	4.7	1.7	2.8
MEAN	22.3	1.5	117.3	0.2	43.0	55.0	7.0	4.1	10.1	3.7	1.6	2.7
S.D.	6.1	0.17	52.5	0.05	7.0	24.2	0.37	0.30	0.51	1.40	0.05	0.05

d INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016755

TABLE 38.1

BIOCHEMISTRY

CONTROL - WEEK 13

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (IU/L)	LAC DEHYDRO (IU/L)	TOT PROT (MG/DL)	TRIGLYC (MG/DL)	CPK (IU/L)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MG/L)	SERUM CHLORIDE (MEQ/L)	TOT CHOL (MG/DL)	GLUC FAST (MG/DL)
FEMALES											
764-F	0.1	176.0	840.0	538.0	90.0	---	5.2	151.0	120.0	32.0	92.0
200-I	0.2	251.0	1520.0	886.0	400.0	---	4.8	152.0	112.0	36.0	92.0
276-F	0.1	177.0	950.0	863.0	200.0	---	5.3	156.0	105.0	32.0	91.0
569-H	0.1	146.0	1190.0	950.0	200.0	---	4.5	154.0	116.0	32.0	94.0
578-H	0.2	163.0	955.0	118.0	20.0	---	5.1	151.0A	117.0	36.0	96.0
604-I	0.1	197.0	795.0	139.0	300.0	---	4.3	151.0	111.0	35.0	95.0
618-I	0.1	222.0	1250.0	156.0	530.0	---	3.7	155.0	112.0	36.0	95.0
MEAN	0.1	190.3	1071.4	147.1	248.6	---	4.7	154.3	113.3	33.6	93.6
S.D.	0.05	36.1	259.9	20.9	176.5	---	0.57	2.9	4.7	1.6	1.9
MALES											
739-F	0.1	91.0	635.0	165.0	300.0	---	5.3	152.0	108.0	24.0	89.0
227-G	0.1	127.0	550.0	142.0	710.0	---	3.8	159.0	110.0	20.0	95.0
476-G	0.0	161.0	795.0	139.0	500.0	---	4.9	156.0	108.0	27.0	99.0
618-J	0.2	243.0	670.0	122.0	480.0	---	4.3	159.0	107.0	23.0	84.0
MEAN	0.1	150.5	662.5	142.0	497.5	---	4.3	156.0	108.3	23.5	91.8
S.D.	0.08	65.2	101.7	17.7	167.8	---	0.65	3.6	1.1	2.9	4.4

A INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

Note: CPK not performed.

TABLE 31.2

BIOCHEMISTRY

5 UG/KG - MONTH 19

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	TBL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
646-E	18.0	1.4	174.0	0.1	55.0	38.0	7.8	4.3	10.3	3.5	1.2	3.5
701-E	20.0	1.5	120.0	0.2	89.0	107.0	7.2	4.6	10.8	2.4	1.8	2.6
483-F (6)	19.0	1.0	146.0	0.3	50.0	40.0	6.7	3.3[A]	10.3	3.5	0.8	3.7
605-F	17.0	1.6	170.0	0.1	54.0	58.0	7.5	4.4	10.5	2.3	1.4	3.1
839-M	15.0	1.4	165.0	0.1	47.0	60.0	7.2	4.2	8.9	3.7	1.4	3.0
204-E (7)	15.0	1.3[A]	215.0	0.2	43.0	27.0	7.8	4.4	10.0	3.0	1.3	3.4
309-F	15.0	1.1	112.0	0.3	38.0	53.0	6.2	4.7	11.3	5.5	1.3	3.5
626-F	16.0	1.4	194.0	0.1	58.0	50.0	7.4	4.1	11.2	4.0	1.4	3.3
MEAN	16.9	1.3	157.2	0.2	59.3	64.1	7.3	4.3	10.4	3.6	1.3	3.2
S.D.	2.0	0.20	30.8	0.09	15.5	50.9	0.46	0.43	0.76	1.00	0.24	0.35
MALES												
514-G	21.0	1.8	96.0	0.8	47.0	38.0	7.0	4.1	9.8	3.2	1.4	2.9
149-H	19.0	1.3	95.0	0.3	54.0	33.0	7.3	4.4	9.8	3.1	1.5	2.9
428-J	31.0	1.7	102.0	0.3	40.0	32.0	7.5	4.6	10.2	3.8	1.6	2.9
437-J	18.0	1.7	66.0	0.2	41.0	30.0	7.6	4.3	9.6	3.8	1.3	3.3
MEAN	22.0	1.6	89.8	0.4	47.5	36.5	7.3	4.3	9.8	3.5	1.45	3.00
S.D.	5.9	0.22	16.1	0.27	5.3	3.7	0.26	0.21	0.25	0.38	0.11	0.28

A INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016757

TABLE II.3

[illegible]

5 UG/KG - [illegible]

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	SGOT FROM (MG/DL)	TRIGLYC (MG/DL)	CPK (SGOT/X)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MM/L)	UREA NITR (MG/DL)
FEMALES											
646-E	0.2	97.0	860.0	159.0	380.0	0.0	4.2	150.0 a	113.0	16.0	55.0
701-E	0.1	295.0	950.0	165.0	670.0	0.0	4.8	152.0	110.0	16.0	39.0
683-I (6)	0.1	385.0	1445.0	133.0	1360.0 a	0.0	5.5	152.0	107.0	24.0	40.0
685-I	0.0	140.0	910.0	170.0	1140.0	0.0	4.7	154.0	112.0	9.0	42.0
839-N	0.2	130.0	825.0	161.0	590.0	0.0	3.8	154.0	102.0	16.0	52.0
285-I (7)	0.2	180.0	695.0	87.0	170.0 a	0.0	4.9	155.0	114.0	18.0	29.0
399-I	0.2	232.0	540.0	177.0	320.0	0.0	5.8	157.0	111.0	19.0	56.0
674-I	0.1	136.0	1340.0	150.0	550.0	1.0	5.2	159.0	121.0	7.0	64.0
MEAN	0.1	199.4	941.9	150.0	600.3*	0.0	4.9	155.8	113.1	13.9	49.6
S.D.	0.07	98.5	308.0	29.0	291.7	0.0	0.65	2.9	5.3	5.1	10.2
MALES											
514-G	0.1	113.0	755.0	112.0	290.0	0.0	3.9	156.0	106.0	23.0	45.0
119-H	0.1	98.0	815.0	175.0	510.0	0.0	4.2	151.0	107.0	19.0	31.0
428-J	0.2	89.0	865.0	152.0	300.0	0.0	4.4	154.0	104.0	27.0	56.0
432-J	0.1	165.0	1310.0	173.0	210.0	0.0	3.4	151.0	101.0	22.0	37.0
MEAN	0.1	111.3	886.3	153.0	327.5	0.0	4.0	153.0	104.0*	23.0	42.0
S.D.	0.05	24.6	155.8	29.2	128.2	0.0	0.43	2.4	2.9	3.9	12.3

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016758

TABLE 31.4

BIOCHEMISTRY

25 UG/KG WEEK 19

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	UREC ACID (MG/DL)	SGOT (IMU/ML)	SGPT (IMU/ML)	TOT PRO (G/DL)	ALB (G/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (G/DL)
FEMALES												
762-E	28.0	1.2	117.0	1.0	89.0 A	110.0 A	6.8	4.0	11.0	3.1	1.4	2.8
761-E	15.0	1.3	239.0	0.9	84.0	206.0 A	6.9	4.4	10.1	3.3	1.8	2.5
201-G LSI	14.0	1.1	62.0 A	0.9 B	58.0	52.0	6.4 B	3.7 A	9.5	3.4	1.0 B	3.7
543-H	14.0	1.3	128.0	0.9	54.0	51.0	7.1	4.0	9.6	3.0	1.1	3.1
771-I	16.0	1.5	132.0	0.9	76.0	42.0	7.3	4.2	9.5	3.1	1.4	3.0
307-I	15.0	1.4	130.0	0.9	55.0	46.0	7.1	4.0	10.0	3.0	1.3	3.1
757-I	19.0	1.6	110.0	0.9	43.0 A	47.0	7.3	4.3	9.9	3.6	1.4	3.0
MEAN	17.1	1.3	145.1	0.9**	65.1	77.7	7.1	4.1	10.0	3.2	1.4	3.0
S.D.	5.0	0.17	46.6	0.06	17.2	61.7	0.20	0.18	0.55	0.20	0.29	0.24
MALES												
20-E	17.0	1.6	148.0	0.1	62.0	98.0 A	6.9	4.0	10.1	3.1	1.4	2.9
46-I	18.0	1.5	118.0	0.3	52.0	59.0	6.8	3.8	9.6	3.0	1.1	3.0
599-I	17.0	1.5	100.0	0.3	41.0	62.0	7.0	4.1	10.3	3.1	1.2	3.0
599-I	17.0	2.1	115.0	0.2	37.0	53.0	8.1	4.8	10.4	2.6	1.5	3.1
MEAN	17.1	1.7	120.1	0.2	48.0	65.1	7.4	4.2	10.0	3.1	1.3**	3.0
S.D.	0.5	0.29	20.1	0.10	11.3	23.7	0.67	0.43	0.45	0.51	0.13	0.12

A INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016759

TABLE 31.5

BIOCHEMISTRY

25 UG/KG MONTH 19

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (UTU/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/ML)
FEMALES											
762-C	0.1	180.0	1300.0	159.0	550.0	0.0	4.0	155.0	104.0	28.0	53.0
763-E	0.1	141.0	1035.0	252.0	790.0	0.0	3.3	150.0	106.0	20.0	64.0
281-G (5)	0.1	74.0	1135.0	322.0	290.0	0.0	4.0	144.0	105.0	24.0	43.0
540-H	0.1	135.0	990.0	137.0	290.0	0.0	3.7	146.0	107.0	20.0	53.0
273-I	0.0	173.0	910.0	180.0	920.0	0.0	3.4	148.0	106.0	22.0	76.0
387-I	0.1	87.0	900.0	181.0	550.0	0.0	4.0	155.0	109.0	22.0	62.0
757-I	0.1	149.0	970.0	192.0	380.0	0.0	4.7	152.0	109.0	23.0	70.0
MEAN	0.1	135.3*	1045.7	203.3*	530.6*	0.0	3.9*	149.9*	106.4**	22.7**	55.6
S.D.	0.04	41.9	167.5	63.2	244.2	0.0	0.47	4.1	1.7	2.8	10.2
MALES											
20-I	0.1	218.0	785.0	197.0	390.0	0.0	4.1	152.0	102.0	25.0	65.0
46-I	0.1	99.0	950.0	196.0	730.0	0.0	3.9	152.0	103.0	20.0	68.0
595-I	0.1	188.0	456.0	157.0	380.0	0.0	4.3	154.0	102.0	20.0	55.0
599-I	0.1	111.0	750.0	147.0	620.0	0.0	3.8	158.0	108.0	17.0	77.0
MEAN	0.1	154.0	735.3	174.3	530.0	0.0	4.0	154.0	103.8*	22.5	63.5
S.D.	0.00	58.1	285.6	26.0	173.4	0.0	0.22	2.8	2.9	4.9	14.0

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016760

TABLE 31.6

BIOCHEMISTRY

100 UG/KG - MONTH 19

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
226-F	20.0	1.3	98.0	0.8	46.0	23.0	6.4	3.2	8.6	1.3	1.0	3.2
269-I	12.0	1.3	132.0	0.9	51.0	32.0	7.1	4.1	9.5	3.0	1.4	3.0
287-I	16.0	1.4	109.0	0.9	54.0	23.0	6.5	3.3	9.1	1.7	1.5	2.6
312-I	12.0	1.4	178.0	0.9	40.0	22.0	6.9	4.2	9.2	2.8	1.6	2.7
MEAN	15.0	1.3	129.3	0.9**	47.0	3[illegible].8	6.7*	3.8	9.2**	2.2*	1.4	2.5
S.D.	3.8	0.06	35.5	0.05	6.1	22.6	0.33	0.45	0.54	0.83	0.26	0.28
MALES												
600-I	23.0	1.2	115.0	1.0	38.0	18.0	6.7	3.5	9.2	3.9	1.1	3.2
425-J	32.0	1.5	136.0	0.2	39.0	23.0	8.1	4.5	10.1	3.4	1.3	3.6
427-J	14.0	1.6	79.0	0.3	43.0	32.0	8.4	4.9	11.6	4.4	1.4	3.5
MEAN	23.0	1.4	110.0	0.5	40.0	24.3	7.7	4.3	10.1	3.9	1.3**	3.4**
S.D.	9.0	0.21	28.8	0.44	2.6	7.1	0.91	0.72	1.21	0.58	0.15	0.21

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016761

TABLE 31.7

BIOCHEMISTRY

100 UG/K. - MONTH 12

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT PROT (MG/DL)	TRIGLYC (MG/DL)	CPK (IU/L/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CHZ (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
226-1	0.1	120.0	235.0	279.0	370.0	3.0	4.6	146.0	110.0	19.0	73.0
269-1	0.1	150.0	320.0	206.0	470.0	3.0	4.3	151.0	114.0	15.0	106.0
287-1	0.1	162.0	372.0	191.0	480.0	3.0	4.6	143.0	104.0	17.0	58.0
312-1	0.1	188.0	680.0	149.0	290.0	3.0	3.8	148.0	106.0	25.0	66.0
MEAN	0.1	157.0	511.0**	205.0*	407.5	3.0	4.2	146.0*	108.5	18.3*	75.5*
S.D.	0.00	28.0	221.6	54.2	86.1	3.0	0.29	5.4	4.4	4.6	21.1
MALES											
400-1	0.1	125.0	1000.0	149.0	2950.0	3.0	4.7	151.0	106.0	27.0	64.0
425-1	0.1	90.0	660.0	165.0	570.0	0.0	4.0	153.0	107.0	23.0	61.0
427-1	0.2	262.0	625.0	247.0	300.0	3.0	4.3	157.0	108.0	20.0	79.0
MEAN	0.1	159.0	1028.1	187.0	1300.0	3.0	4.3	153.7	107.0	23.3	68.0
S.D.	0.06	90.9	668.5	52.6	1432.1	0.0	0.15	3.1	1.0	3.5	9.6

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016762

TABLE 32

[illegible]

CONTROL - WEEK 20

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
764-I	16.0	1.2	158.0	0.3	49.0	[illegible]	7.6	4.1	10.5	4.0	1.2	3.5
200-F	23.0	1.2	224.0	0.3	67.0	[illegible]	8.3	4.1	12.0	5.6	1.0	3.9
774-F	15.0	1.2	185.0	0.7	224.0	[illegible]	8.3	4.3	11.7	6.2	1.4	3.4
569-H	16.0	1.1	166.0	0.2	69.0	[illegible]	8.2	4.4	11.7	2.7	1.7	3.8
578-H	18.0	1.3	163.0	0.2	62.0	[illegible]	7.8	4.5	11.5	4.0	1.4	3.3
604-I	14.0	1.2	185.0	0.3	57.0	[illegible]	7.7	4.3	10.8	3.7	1.3	3.4
618-I	17.0	1.2	173.0	0.1	56.0	[illegible]	7.3	3.7	10.7	4.0	1.0	3.6
MEAN	17.0	1.2	179.1	0.3	83.4	[illegible]	7.9	4.3	11.1	4.3	1.2	3.5
S.D.	2.9	0.06	22.6	0.19	62.4	[illegible]	0.39	0.36	[illegible]	1.16	0.17	0.18
MALES												
223-G	32.0	1.4	211.0	0.2	37.0	[illegible]	7.2	4.1	11.1	3.6	1.5	2.7
476-G	32.0	2.0	129.0	0.1	76.0	[illegible]	7.7	4.6	10.6	2.2	1.3	3.3
719-I	22.0	1.5	112.0	0.2	60.0	[illegible]	8.0	4.5	10.8	2.8	1.3	3.5
410-J	18.0	1.9	170.0	0.2	49.0	[illegible]	8.4	4.8	11.9	4.1	1.3	3.6
MEAN	26.0	1.7	157.0	0.2	55.0	[illegible]	7.8	4.5	11.1	2.9	1.3	3.1
S.D.	7.1	0.29	46.8	0.05	15.0	[illegible]	0.51	[illegible]	0.57	1.00	0.10	0.31

A INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016763

TABLE 32.1

BIOCHEMISTRY

CONTROL - MONTH 20

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MG/DL)	LAC DEHYDRO (MG/DL)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (UTO/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
764-E	0.1	189.0	1424.0	123.0	600.0	19.0[a]	4.7	149.0	112.0	10.0	53.0
209-F	0.1	291.0	3240.0[a]	208.0	1930.0	119.0	4.0	160.0	111.0	11.0	64.0
274-F	0.1	167.0	948.0	168.0	700.0	95.0	5.3	145.0	99.0	8.0	83.0
569-H	0.0	164.0	1461.0[a]	166.0	1010.0	61.0	5.1	155.0	116.0	5.0	53.0
578-H	0.1	171.0	1192.0	259.0	840.0	88.0	3.7	156.0	112.0	12.0	48.0
605-I	0.1	205.0	800.0	165.0	700.0	54.0	4.3	149.0	105.0	13.0	46.0
618-I	0.1	199.0	1368.0	177.0	850.0	152.0	3.8	156.0	111.0	15.0	66.0
MEAN	0.1	198.0	1531.3	191.1	887.1	91.4	4.5	152.0	109.4	10.6	57.6
S.D.	0.04	44.0	801.6	59.3	915.2	74.9	0.62	5.3	5.6	3.3	14.2
MALES											
739-F	0.1	109.0	771.0	190.0	890.0	25.0	4.1	156.0	111.0	10.0	56.0
227-G	0.1	155.0	609.0	187.0	2420.0	53.0	3.2	166.0	111.0	11.0	64.0
426-G	0.1	184.0	1233.0	233.0	780.0	457.0	4.9	155.0	109.0	16.0	63.0
418-J	0.1	264.0	1084.0	141.0	910.0	33.0	3.9	164.0	110.0	12.0	64.0
MEAN	0.1	178.0	944.3	187.8	1255.0	141.0	4.0	160.3	110.3	14.3	62.3
S.D.	0.00	65.1	257.0	37.6	779.3	219.9	0.70	5.6	1.0	3.3	5.9

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016764

TABLE 32.2

BIOCHEMISTRY

5 UG/KG - MONTH 20

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
646-E	28.0	1.3	169.0	0.2	48.0	35.0	8.2	4.3	10.8	3.4	1.1	3.9
701-E	21.0	1.3	160.0	0.5	71.0[a]	104.0[a]	8.1	4.7	11.6	3.5	1.4	3.4
483-F (7)	15.0	1.2	169.0 a	0.2	58.0	63.0	7.7	4.1	11.0	4.4	1.7	3.4
609-F	18.0	1.6	189.0	0.3	100.0	76.0	8.1	4.5	11.9	5.2	1.3	3.6
839-H	20.0	1.1	176.0	0.1	53.0	51.0	7.3	4.2	9.9	3.5	1.4	3.1
284-I	14.0	1.5	186.0	0.3	43.0	35.0	7.9	4.9	11.1	5.6	1.3	3.4
309-I	16.0	1.2	141.0	0.2	54.0	83.0[a]	7.5	4.3	11.3	5.2	1.3	3.2
624-I	21.0	1.4	210.0	0.3	70.0	63.0	8.4	5.6	11.6[a]	6.5	1.2	3.8
MEAN	19.1	1.3	175.9	0.3	62.1	63.1	7.9	4.4	11.1	4.7	1.3	3.5
S.D.	4.5	0.17	22.2	0.12	18.2	23.7	0.37	0.18	0.60	1.15	0.18	0.24
MALES												
516-G	23.0	1.1	158.0	0.1	56.0	40.0	7.8	4.3	11.0	2.9	1.2	3.5
119-H	17.0	1.4	120.0	0.4	49.0	33.0	7.9	4.6	10.9	3.7	1.4	3.1
428-J	30.0	1.5	137.0	0.0	58.0	49.0	8.3	4.9	11.3	3.8	1.4	3.4
432-J	19.0	1.7	107.0	0.2	69.0	35.0	8.4	5.6	11.0	4.3	1.2	3.8
MEAN	23.3	1.6	130.5	0.2	58.0	39.3	8.1	4.6	11.0	3.5	1.3	3.5
S.D.	6.2	0.15	22.1	0.17	8.3	7.1	0.29	0.24	0.17	0.63	0.12	0.22

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016765

TABLE 32.3

BIOCHEMISTRY

5 UNITS - MONTH 20

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (UNIT/ML)	SERUM PHOS (MG/DL)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CHOL (MG/DL)	SERUM UREA (MG/DL)
FEMALES											
446-E	0.1	119.0	972.0	210.0	840.0	74.0	3.3	158.0	115.0	9.0	77.0
701-E	0.1	264.0	1460.0	231.0	2230.0	65.0	3.2	159.0	112.0	12.0	53.0
483-E (2)	0.1	262.0	988.0	199.0	720.0 d	189.0	4.3	157.0	111.0	8.0	71.0
685-F	0.1	141.0	700.0	210.0	2120.0	100.0	4.1	159.0	113.0	6.0	49.0
819-H	0.1	127.0	1512.0	160.0	890.0	144.0	5.7	159.0	119.0	8.0	56.0
284-I	0.1	176.0	305.0	110.0	1280.0	45.0	4.0	147.0	105.0	6.0	81.0
109-I	0.1	215.0	820.0	215.0	2570.0	72.0	3.9	152.0	110.0	9.0	132.0
624-I	0.1	138.0	1077.0d	145.0	1770.0	37.0	5.0	161.0	116.0	5.0	7.0
MEAN	0.1	180.3	1080.3	185.0	1631.43	97.5	4.0	156.5	112.6	7.6	79.6
S.D.	0.00	59.6	506.4	41.9	681.6	52.9	0.65	4.7	4.2	2.6	24.4
MALES											
516-G	0.1	117.0	1020.0	189.0	290.0	149.0	4.5	157.0	110.0	12.0	66.0
119-H	0.1	111.0	679.0	200.0	180.0	23.0	4.0	157.0	105.0	13.0	87.0
428-J	0.1	96.0	1171.0	179.0	800.0	29.0	4.6	158.0	112.0	9.0	67.0
432-J	0.1	155.0	1048.0	200.0	360.0	111.0	5.5	156.0	109.0	10.0	47.0
MEAN	0.1	119.8	967.5	192.0	457.5	77.5	4.4	157.0	109.0	12.3	67.8
S.D.	0.00	25.1	191.2	10.1	251.6	63.5	0.51	0.8	2.9	1.6	15.3

d INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016766

TABLE 32.4

BIOCHEMISTRY

25 UG/KG - DAYS 20

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
762-E	22.0	1.2	138.0	0.3	81.0	43.1	7.6	4.5	11.1	3.5	1.9	3.7
763-E	16.0	1.2	247.8	0.7	101.0[A]	105.0[A]	7.4	4.5	10.8	4.7	1.6	2.9
201-G (6)	18.0	1.1	77.0 [A]	0.2	71.0	72.0	7.2	3.2	11.1	3.6	0.8	4.0
540-H	29.0	1.3	154.0	0.1	51.0	63.0	7.9	4.4	11.0	2.9	1.2	3.5
271-I	19.0	1.3	138.0	0.2	64.0	18.0	7.7	4.5	11.5	2.9	1.3	3.4
307-I	21.0	1.4	151.0	0.3	63.0[A]	45.0	8.0	4.4	11.6	4.4	1.2	3.6
757-I	17.0	1.7	144.0	0.4	39.0[A]	12.0	8.7	4.6[A]	11.5[A]	6.7	1.4	3.7
MEAN	19.0	1.3	164.0	0.2	67.1	57.1	7.8	4.3	11.2	4.4	1.5	3.5
S.D.	2.2	0.20	41.1	0.10	20.1	10.7	0.49	0.48	0.30	1.66	0.37	0.35
MALES												
20-I	20.0	1.5	168.0	0.0	58.0	70.0	7.5	4.2	10.9	3.9	1.3	3.3
66-I	20.0	1.5	136.0	0.1	78.0	19.0	7.1	3.9	9.7	2.3	1.2	3.2
599-I	20.0	1.5	122.0	0.0	65.0	71.0[A]	8.4	4.3	11.1	3.0	1.0	4.1
599-I	18.0	2.0	125.0	0.1	45.0	41.0	8.5	4.9	11.6	2.5	1.3	3.7
MEAN	19.5	1.6	137.3	0.09	59.5	45.3	7.9	4.3	10.8	2.4	1.2	3.6
S.D.	1.0	0.25	21.1	0.06	10.8	17.6	0.69	0.37	0.75	0.46	0.14	0.50

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016767

TABLE 37.5

BIOCHEMISTRY

25 UG/KG - MONTH 20

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT PROT (MG/DL)	TRIGLYC (MG/DL)	CPK (IU/L)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CHZ (MEQ/L)	SGOT/ FAST (MU/ML)
FEMALES											
767-E	0.1	216.0	1596.0	230.0	700.0	279.1	5.7	150.0	105.0	16.0	46.0
763-E	0.1	142.0	1648.0	230.0	630.0	101.0	5.2	154.0	110.0	9.0	60.0
281-G (6)	0.1	155.0	3396.0	613.0	1979.0 a	77.0	4.7	151.0	110.0	12.0	96.0
540-H	0.1	146.0	1700.0	230.0	1650.0	67.0	5.9	153.0	113.0	9.0	62.0
273-I	0.0	187.0	1096.0	207.0	3480.0	171.0	4.3	155.0	113.0	11.0	77.0
307-I	0.0	180.0	3195.0A	273.0	3760.0A	87.0	4.6	157.0	115.0	3.0	121.0
757-I	0.0	167.0	1316.0	267.0	690.0	47.0	5.6	161.0	112.0	5.0	96.0
MEAN	0.1	159.0	1993.6	265.4	1801.7	227.0	4.3	154.4	111.1	9.0	75.4
S.D.	0.05	36.6	916.0	68.9	1625.3	347.1	0.77	3.7	3.2	3.9	25.4
MALES											
20-I	0.0	256.0	952.0	210.0	1290.0	2[illegible]	4.4	157.0	111.0	16.0	74.0
64-I	0.1	107.0	561.0A	217.0	2540.0	90.0A	3.7	155.0	111.0	14.0	90.0
595-I	0.0	170.0	746.0	186.0	820.0	129.0	4.0	157.0	110.0	10.0	60.0
599-I	0.0	117.0	1013.0	181.0	980.0	61.0	5.3	166.0	110.0	12.0	66.0
MEAN	0.0*	164.5	818.0	200.5	1407.5	71.5	3.8	158.8	110.5	13.0	72.5
S.D.	0.05	68.6	205.9	19.7	779.8	40.2	0.47	4.9	0.6	2.6	13.3

A INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016768

TABLE 12.6

BIOCHEMISTRY

130 MG/KG - MONTH 20

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
226-F	24.0	1.3	138.0	0.4	37.0	36.0	7.4	3.6	13.2	7.6	1.0	3.8
269-F	11.0	1.1	146.0	0.4	69.0	92.0	7.6A	4.6	11.6A	5.5	1.1	3.5A
287-F	12.0	1.3	150.0	0.8	60.0A	99.0	7.8	4.4	10.4	6.2	1.3	3.4
312-F	21.0	1.2	187.0	0.4	33.0	19.0	7.9	4.5	11.0	7.7	1.3	3.4
MEAN	17.0	1.2	158.3	0.4	39.8	54.0	7.7	4.1	11.0	7.7	1.2	3.5
S.D.	6.5	0.10	20.3	0.10	6.8	39.1	0.22	0.46	0.60	1.44	0.15	0.27
MALES												
600-J	23.0	1.4	114.0	0.1	54.0	16.0	7.7	4.4	11.0	5.9	1.3	3.3
625-J	31.0	1.5	164.0	0.1	69.0	25.0	8.6	4.6	11.2	3.6	1.2	4.0
627-J	17.0	1.7	117.0	0.2	53.0	16.0	8.4	4.7	11.5	4.8	1.2	3.9
MEAN	23.7	1.5	131.7	0.1	58.7	25.7	8.3	4.6	11.2	4.9	1.2	3.7
S.D.	7.0	0.15	28.0	0.06	9.0	18.5	0.52	0.15	0.25	0.75	0.06	0.38

A INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 32.7

BIOCHEMISTRY

100 UL/KG - MONTH 20

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	BUN (MG/DL)	TRIGLYC (MG/DL)	LPI (UNIT/ML)	SERUM PHOS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
226-1	0.0	153.0	218.0	328.0	1590.0	37.3	3.4	160.0	116.0	13.0	124.0
269-1	0.0	202.0	404.0	156.0	1510.0	57.3	5.5	157.0	112.0	4.0	83.0
287-1	0.1	207.0	198.0	239.0	1270.0	57.3	6.3	149.0	102.0	3.0	102.0
112-1	0.0	173.0	393.0	195.0	1040.0	27.3	4.0	156.0	115.0	13.0	92.0
MEAN	0.0*	183.0	621.3*	229.5	1352.5	41.3	4.4	155.5	111.3	8.8	96.5**
S.D.	0.05	25.4	280.0	73.9	248.8	11.7	0.76	4.7	6.4	4.9	11.1
MALES											
600-1	0.0	147.0	1151.0	220.0	3130.0	127.3	3.9	154.0	112.0	8.0	75.0
425-2	0.0	84.0	1203.0	176.0	390.0	90.3	5.5	151.0	104.0	13.0	73.0
627-2	0.1	325.0	849.0	225.0	840.0	27.3	4.5	159.0	114.0	4.0	70.0
MEAN	0.0	185.3	1094.3	206.3	1453.3	351.7	4.4	154.0	110.0	8.3	72.3*
S.D.	0.06	125.0	222.5	28.1	1469.4	481.7	0.81	3.0	5.3	4.5	2.1

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 33

BIOCHEMISTRY

CONTROL - WEEK 21

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
784-E	17.0	1.4	175.0	0.5	56.0	67.0	7.4	4.2	10.6	5.2	1.3	3.2
200-F	20.0	1.5	238.0	0.5	60.0	80.0	8.1	3.9	11.5	5.2	0.9	3.7[a]
274-F	14.0	1.4	193.0	0.5	100.0	58.0	7.9	4.7	11.5	4.8	1.5	3.2
549-H	17.0	1.4	171.0	0.5	51.0	61.0	7.8	4.2	11.2	3.4	1.2	3.6
578-H	15.0	1.4	187.0	0.3	50.0	67.0	7.4	4.3	11.1	4.4	1.4	3.1
804-I	14.0	1.4	189.0	0.6	44.0	47.0	7.1	4.1	10.2	3.5	1.4	3.0
618-I	19.0	1.4	169.0	0.3	65.0	81.0	7.2	3.6	10.8	3.9	1.0	3.6
MEAN	16.4	1.4	180.9	0.4	62.0	64.7	7.6	4.1	11.0	4.3	1.2	3.3
S.D.	2.4	0.04	23.6	0.10	18.0	13.4	0.38	0.34	0.48	0.76	0.22	0.24
MALES												
227-G	21.0	1.5	220.0	0.9	54.0	43.0	7.0	4.1	10.8	5.4	1.6	2.7
426-G	26.0	1.9	185.0	0.8	60.0	59.0	7.1	4.3	10.0	2.3	1.5	2.8
739-I	24.0	1.8	116.0	1.0	72.0	89.0[a]	7.4	4.4	10.2	3.6	1.5	3.0
418-J	17.0	2.0	166.0	1.1	51.0	42.0	8.0	4.9	11.9	5.1	1.4	3.1
MEAN	22.5	1.8	151.0	0.9	59.8	58.1	7.4	4.5	10.7	4.2	1.5	2.9
S.D.	1.9	0.22	52.7	0.13	8.7	21.9	0.45	0.29	0.85	1.56	0.06	0.19

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 33.1

BIOCHEMISTRY

CONTROL - MONTH 21

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT PROT (MG/DL)	TRIGLYC (MG/DL)	CPK (IU/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
764-E	0.2	171.0	500.0	104.0	1050.0	164.0	4.2	151.0	108.0	15.0	70.0
700-F	0.2	216.0	1090.0	198.0	1680.0	125.3	4.2	146.0	107.0	17.0	35.0
274-F	0.2	136.0	660.0	166.0	550.0	69.3	5.1	146.0	100.0	15.0	52.0
569-H	0.2	137.0	1000.0	171.0	1310.0	296.0	4.1	155.0	108.0	17.0	65.0
578-H	0.1	127.0	770.0	136.0	850.0	31.0	4.2	159.0	109.0	18.0	62.0
604-I	0.1	156.0	490.0	139.0	390.0	29.9	3.8	146.0	103.0	16.0	75.0
618-I	0.1	167.0	690.0	196.0	600.0	139.0	3.8	159.0	109.0	18.0	94.0
MEAN	0.2	158.6	756.3	170.0	918.6	140.7	4.2	152.7	106.3	16.6	66.7
S.D.	0.05	30.3	267.2	25.6	460.4	123.0	0.44	5.0	3.5	1.3	9.3
MALES											
731-F	0.2	91.0	975.0	216.0	520.0	706.0	3.1	151.0	105.0	21.0	66.0
721-G	0.2	133.0	1221.0	155.0	1060.0	662.0	3.7	157.0	117.0	9.0	76.0
626-G	0.2	120.0	1112.0	183.0	360.0	1069.0	4.6	149.0	111.0	22.0	87.0
618-J	0.2	227.0	1404.0	153.0	810.0	741.0	5.7	160.0	118.0	8.0	74.0
MEAN	0.2	142.8	1178.0	176.3	687.5	795.0	4.3	154.3	112.8	15.0	79.0
S.D.	0.00	58.0	181.2	28.7	318.4	185.6	1.13	5.1	6.0	7.5	11.7

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016772

TABLE 33.2

BIOCHEMISTRY

5 UG/KG - MONTH 21

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
646-E	18.0	1.4	166.0	0.4	36.0	35.0	7.7	4.1	10.5	2.5	1.1	3.6
701-E	24.0	1.4	161.0	0.0	105.0[a]	155.0	7.2	4.4	11.0	3.2	1.6	2.8
481-F	16.0	1.5	182.0	0.3	86.0	104.0[a]	7.5	4.3	10.6	2.9	1.4	3.1
605-F	18.0	1.4	185.0	0.4	47.0	56.0	7.4	4.2	10.8	2.7	1.3	3.2
839-H	22.0	1.4	187.0	0.3	83.0	39.0[a]	7.3	4.2	10.5	2.4	1.4	3.1
284-I	17.0	1.6	202.0	0.4	71.0	72.0	7.7	4.4	11.2	4.5	1.3	3.3
389-I	17.0	1.2	162.0	0.3	99.0[a]	109.0[a]	7.3	4.1	10.6	3.2	1.3	3.2
624-I	24.0	1.5	226.0	0.3	50.0	71.0	8.0	4.4	11.3	4.8	1.2	3.6
MEAN	19.5	1.4	183.9	0.3	73.1	86.3	7.5	4.3	10.8	3.4	1.3	3.2
S.D.	3.3	0.13	22.2	0.13	24.6	36.7	0.27	0.15	0.33	0.96	0.15	0.27
MALES												
516-G	27.0	1.7	161.0	0.3	51.0	36.0	7.7	4.3	11.1	3.2	1.3	3.4
119-H	24.0	1.3	119.0	0.4	49.0	39.0	7.5	4.4	11.0	4.2	1.4	3.1
428-J	31.0	1.5	151.0	0.5	55.0	36.0	7.9	4.6	11.3	4.9	1.5	3.1
432-J	23.0	2.0	104.0	1.0	50.0	33.0	7.9[a]	4.8	10.4[a]	8.3	1.2	3.6[a]
MEAN	26.3	1.6	133.8	0.5	51.3	36.0	7.7	4.6	10.9	5.1	1.3*	3.3*
S.D.	3.6	0.30	26.7	0.31	2.6	2.4	0.19	0.26	0.35	2.21	0.13	0.24

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016773

TABLE 33.3

BIOCHEMISTRY

5 UG/KG - WEEK 26

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (IU/ML)	LAC DEHYDRO (IU/ML)	TOT PROT (MG/DL)	TRIGLYC (MG/DL)	CPK (UEQ/ML)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GLUC FAST (MG/DL)
FEMALES											
646-E	0.2	115.0	630.0	209.0	1370.0	164.0	4.0A	155.0	109.0	16.0	52.0
701-E	0.2	221.0	890.0	155.0	2700.0	37.0	3.7	154.0	106.0	25.0	47.0
483-F	0.1	171.0	750.0	226.0	610.0	438.0	4.5	152.0	105.0	17.0	72.0
805-H	0.1	108.0	730.0	146.0	2710.0	95.0	4.2	153.0	109.0	18.0	58.0
839-H	0.1	132.0	890.0	117.0	1670.0	47.0	3.8	158.0	112.0	18.0	58.0
284-I	0.1	149.0	405.0	134.0	1320.0	41.0	5.5	157.0	111.0	19.0	94.0
309-I	0.2	160.0	618.0	166.0	2100.0	92.0	3.7	157.0	109.0	21.0	65.0
424-I	0.2	117.0	1300.0	144.0	1890.0	42.0	5.1	160.0	114.0	5.0	75.0
MEAN	0.1	146.6	775.6	159.9	1806.3*	108.3	4.3	155.4	110.0	17.5	66.6
S.D.	0.05	37.6	264.5	40.1	721.0	139.8	0.67	3.2	4.3	5.7	14.3
MALES											
516-G	0.2	108.0	740.0A	207.0	700.0	113.0	4.1A	157.0	100.0	21.0	55.0
119-H	0.2	107.0	789.0	177.0	600.0	34.0	3.4	153.0	99.0	23.0	76.0
428-J	0.1	85.0	1176.0	192.0	350.0	87.0	4.5	153.0	106.0	14.0	65.0
432-J	0.1	144.0	312.0	230.0	210.0	473.0	5.0	154.0A	102.0	3.0	120.0
MEAN	0.1	111.0	754.3	201.5	465.0	176.8**	4.2	153.0	101.0*	17.9	78.3
S.D.	0.06	24.4	353.5	22.6	224.9	200.2	0.60	0.8	3.1	9.0	29.4

A INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 33.6

BIOCHEMISTRY

25 DG/KG MONTH 21

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
762-E	22.0	1.3	149.0	0.3	64.0	35.0	7.2	4.2	10.7	3.3	1.1	3.0
761-E	11.0	1.3	249.0	0.3	156.0A	[illegible]A	7.1	4.1	11.1	4.7	1.5	2.6
241-G (T)	19.0	1.5	172.0 A	0.5	50.0	53.0	8.1	4.1	11.4	4.0	1.1	3.0
540-M	20.0	1.6	167.0	0.4	57.0	47.0	7.8	4.5	10.6	4.1	1.3	3.4
271-I	17.0	1.4	191.0	0.2	54.0	62.0	7.3	4.1	10.4	3.6	1.3	3.2
307-I	22.0	1.6	150.0	0.6	68.0	95.0	8.1	4.4	11.3	5.7	1.2	3.7
757-I	19.0	1.4	148.0	0.7	42.0	33.0	8.3	4.7	11.8	3.1	1.3	3.6
MEAN	18.9	1.4	168.7	0.4	70.1	60.1	7.7	4.3	11.0	4.1	1.1	3.4
S.D.	3.1	0.13	40.4	0.18	38.8	49.9	0.49	0.21	0.75	0.98	0.13	0.32
MALES												
28-I	21.0	1.5	162.0	0.3	70.0	81.0	7.3	4.2	10.1	2.5	1.4	3.1
46-I	18.0	1.6	126.0	0.4	51.0	52.0	7.0	4.6	9.5	3.5	1.3	3.0
999-I	21.0	1.6	130.0	0.3	53.0	57.0	8.1	4.4	10.6	3.3	1.2	3.7
599-I	20.0	2.1	128.0	0.5	49.0	58.0	8.2	4.7	10.9	3.2	1.3	3.5
MEAN	20.0	1.7	136.5	0.4**	55.8	62.0	7.6	4.3	10.3	3.1	1.3**	3.3
S.D.	1.4	0.27	17.1	0.10	9.6	14.3	0.59	0.19	0.60	0.63	0.08	0.31

A INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016775

PANEL 31.6

BIOCHEMISTRY

25 UG/KG MONTH 21

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (MU/ML)	LAC DEHYDRO (MU/ML)	TOT PROT (MG/DL)	ALBUMIN (MG/DL)	CPK (IU/L)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CHOL (MG/DL)	GLUC FAST (MG/DL)
FEMALES											
762-E	0.1	145.0	1000.0	193.0	950.0	[illegible]	3.9	152.0	109.0	28.0	96.0
763-E	0.2	119.0	1220.0	210.0	980.0	[illegible]	3.1	149.0	106.0	17.0	43.0
201-G (2)	0.2	132.0	1010.0	215.0	1000.0 a	[illegible]	4.6	152.0	108.0	15.0	83.0
560-H	0.2	132.0	730.0	195.0	1310.0	[illegible]	4.2	155.0	116.0	17.0	57.0
231-I	0.1	159.0	890.0	203.0	2350.0	[illegible]	3.2	149.0	109.0	15.0	56.0
307-I	0.2	88.0	1470.0	257.0	2260.0	[illegible]	5.3	161.0	119.0	5.0	102.0
757-I	0.1	132.0	1030.0	225.0	1270.0	[illegible]	5.0	158.0	110.0	14.0	79.0
MEAN	0.2	129.6	1041.4*	215.1**	1506.7	[illegible]	4.2	154.4	109.9	14.9	69.7
S.D.	0.05	22.2	245.0	22.0	640.5	[illegible]	0.85	4.6	4.5	4.9	23.9
MALES											
28-I	0.1	252.0	4529.0	214.0	1870.0	[illegible]	4.0	150.0	103.0	21.0	78.0
46-I	0.1	106.0	1316.0	183.0	1730.0	[illegible]	3.4	151.0	101.0	22.0	81.0
595-I	0.2	153.0	1151.0	176.0	1040.0	[illegible]	4.2	150.0	105.0	18.0	84.0
599-I	0.1	86.0	1126.0	172.0	650.0	[illegible]	3.8[a]	156.0	100.0	19.0	61.0
MEAN	0.1*	150.5	1756.5	186.3	1120.0	[illegible]	4.0	151.4	102.3*	20.0	75.0
S.D.	0.05	76.4	1613.4	19.1	451.4	[illegible]	0.52	2.9	2.7	1.8	10.6

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016776

TABLE 33.6

BIOCHEMISTRY

100 UG/KG - MONTH 21

ANIMAL NUMBER	BUN (MG/DL)	CREAT (MG/DL)	CHOLES (MG/DL)	URIC ACID (MG/DL)	SGOT (MU/ML)	SGPT (MU/ML)	TOT PRO (GM/DL)	ALB (GM/DL)	CAL (MG/DL)	PHOS (MG/DL)	A/G RATIO	GLOB (GM/DL)
FEMALES												
226-F	24.0	1.2	77.0	0.4	31.0	45.0	6.8	3.1	9.5	3.6	0.8	3.7
249-I	11.0	1.2	161.0	0.0	59.0	60.0	7.7	4.5	11.7	2.6	1.4	3.2
287-I	12.0	1.1	132.0	0.3	51.0	52.0	6.9	4.0	9.6	3.6	1.4	2.9
312-I	21.0	1.1	195.0	0.2	30.0	27.0	7.2	4.3	10.4	2.2	1.5	2.9
MEAN	17.0	1.1**	136.3*	0.2*	42.0	41.0*	7.1	4.3	10.2	2.90	1.1	3.1
S.D.	6.5	0.06	48.3	0.17	14.5	17.6	0.43	0.62	1.37	0.75	0.32	0.40
MALES												
600-I	23.0	1.6	98.0	0.5	49.0	12.0	7.7	4.5	10.6	5.8	1.4	3.2
625-J	22.0	1.5	145.0	0.3	46.0	20.0	8.0	4.2	11.0	2.6	1.1	3.9
627-J	14.0	1.9	97.0	0.7	52.0	34.0	8.3	4.6	11.2	5.4	1.2	3.7
MEAN	21.0	1.7	113.3	0.5*	49.0	22.0*	8.0	4.4	10.9	4.6	1.20	3.44
S.D.	2.6	0.21	27.4	0.20	3.0	11.1	0.30	0.26	0.31	1.73	0.15	0.37

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

TABLE 31.7

BIOCHEMISTRY

100 MG/KG - MONTH 21

ANIMAL NUMBER	TOT BIL (MG/DL)	ALK PHO (IU/ML)	LAC DEHYRO (IU/ML)	TOT IRON (MG/DL)	TRIGLYC (MG/DL)	CPK (IU/L)	SERUM POTAS (MEQ/L)	SERUM SODIUM (MEQ/L)	SERUM CHLORIDE (MEQ/L)	CO2 (MEQ/L)	GAMM GAST (MG/DL)
FEMALES											
226-F	0.1	97.0	262.0	436.0	690.0	[illegible]	4.3	156.0	104.0	19.0	116.0
269-I	0.1	151.0	670.0	193.0	2060.0	21.0	5.2	160.0	115.0	18.0	95.0
281-I	0.1	159.0	299.0	194.0	1590.0	151.0	4.0	151.0	95.0a	17.0	48.0
312-I	0.1	134.0	910.0	233.0	1250.0	61.0	4.3	151.0	111.0	17.0	62.0
MEAN	0.1	135.3	535.3	263.5	1397.5	6[illegible]	4.4	151.0	107.0	17.0	80.3
S.D.	0.00	27.5	310.4	116.6	576.9	6[illegible]	0.52	10.0	9.1	1.0	30.9
MALES											
609-I	0.1	114.0	812.0	213.0	1070.0	41.0	3.8	151.0	105.0	8.0	117.0
429-J	0.1	77.0	1278.0	209.0	580.0	21.0	5.1	149.0	100.0	23.0	56.0
621-J	0.1	316.0	1130.0	235.0	920.0	104.0	4.3	154.0	104.0	5.0	107.0
MEAN	0.1	169.0	1073.3	219.0	856.7	12[illegible]	4.4	152.0	103.0a	12.0	93.3
S.D.	0.00	128.6	238.1	14.0	251.1	1[illegible]	0.66	2.6	2.6	9.6	32.7

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN

MONS 016778

TABLE 34

BODY WEIGHTS
(KG)

PRETEST

WEEK----	1	3	5	7	9	11	13
ANIMAL	4/04-	4/18-	4/30-	5/14-	5/28-	6/11-	6/25-
NUMBER	4/11/77	4/25/77	5/02/77	5/21/77	6/04/77	6/18/77	7/02/77
FEMALES							
296-1	5.5	---	---	---	---	---	---
MEAN	:	:	:	:	:	:	:
S.D.	:	:	:	:	:	:	:

2 INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DUE TO PREGNANCY

TABLE 35

BODY WEIGHTS
(KG)

CONTROLS

MONTH---	1	1	1	2	2	3	3
WEEK----	1	3	5	7	9	11	13
ANIMAL NUMBER	4/04-4/11/77	4/18-4/23/77	4/30-5/07/77	5/14-5/21/77	5/28-6/04/77	6/11-6/18/77	6/25-7/02/77
FEMALES							
764-E	7.1	7.0	6.8	6.8	6.3	6.4	6.3
87-F	8.1	7.8	7.8	7.6	7.6	7.6	7.8
200-F	7.8	7.5	7.6	7.4	7.5	7.4	7.7
274-F	6.1	5.8	5.7	5.5	5.7	5.7	5.7
569-H	7.4	7.1	7.0	7.0	7.0	7.0	7.2
578-H	5.6	6.1	6.3	6.1	6.1	6.7	6.5
604-I	5.5	5.5	5.6	5.6	5.4	5.3	5.5
618-I	6.8	7.1	7.0	7.0	7.1	6.9	6.6
MEAN	6.8	6.7	6.7	6.6	6.6	6.6	6.7
S.D.	0.98	0.83	0.81	0.8	0.83	0.80	0.85
MALES							
739-F	6.2	6.1	6.0	5.8	6.0	6.4	6.4
227-G	8.5	8.8	8.9	8.9	9.2	9.4	9.3
426-G	6.3	6.9	6.8	6.9	6.7	6.9	7.0
418-J	8.6	8.5	8.6	8.0	8.3	8.6	8.8
MEAN	7.4	7.6	7.6	7.4	7.5	7.8	7.9
S.D.	1.33	1.29	1.40	1.34	1.46	1.41	1.39

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DUE TO PREGNANCY

TABLE 35.1

BODY WEIGHTS
(KG)

CONTROL

MONTH---	4	4	5	5	6	6
WEEK----	15	17	19	21	23	25
ARENAL NUMBER	7/09-7/16/77	7/23-7/30/77	8/06-8/13/77	8/20-8/27/77	9/03-9/10/77	9/17-9/24/77
FEMALES						
764-E	6.1	6.5	6.5	6.3	6.8	6.8
87-F	7.9	8.2	8.0	8.0	8.4	8.5
200-F	7.8	7.8	7.8	7.9	8.2	8.2
274-F	5.8	5.6	5.8	5.8	6.0	6.0
569-H	7.3	7.5	7.5	7.5	7.7	7.8
578-H	6.2	6.5	6.3	6.4	6.4	7.0
604-I	5.8	5.3	5.5	5.2	6.3	6.0
610-I	7.2	7.4	7.5	7.5	8.2	7.9
MEAN	6.8	6.8	6.9	6.8	7.2	7.3
S.D.	0.88	1.05	0.96	1.04	0.98	0.97
MALES						
739-F	6.3	6.5	6.8	6.7	6.8	6.7
227-G	8.8	9.1	9.3	9.2	9.4	9.5
426-G	6.8	7.4	7.5	7.5	7.9	7.5
418-J	8.4	8.5	8.3	8.4	8.7	8.4
MEAN	7.6	7.9	8.0	8.1	8.2	8.0
S.D.	1.21	1.16	1.08	1.18	1.12	1.20

J INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DUE TO PREGNANCY

TABLE 35.2

BODY WEIGHTS
(KG)

CONTROL

MONTH---	7	7	7	8	8	9	9
WEEK----	27	29	31	33	35	37	39
ANIMAL	10/01-	10/15-	10/29-	11/12-	11/26-	12/10-	12/24-
NUMBER	10/08/77	10/22/77	11/05/77	11/19/77	12/03/77	12/17/77	12/30/77
FEMALES							
364-E	6.6	7.2	7.0	6.5 a	6.8 a	7.3 a	7.4 a
87-F	8.2	8.6	8.5	8.7	8.4	8.8	8.2
200-F	7.9	8.3	8.2	8.1	8.0	8.4 a	8.3 a
274-F	5.7	5.8	6.0	5.4 a	5.5 a	6.0 a	5.3 a
569-M	7.3	7.9	8.0	7.8	7.7	8.5	8.0
578-M	6.6	7.0	7.0	6.5	7.0	7.3 a	6.6 a
604-I	5.7	6.0	6.3	5.6 a	5.9 a	6.8 a	6.2 a
618-I	7.8	8.0	8.0	7.9	7.8 a	8.2 a	7.9 a
MEAN	7.0	7.3	7.4	7.8	7.8	8.6	8.1
S.D.	0.98	1.04	0.93	0.81	0.59	0.21	0.84
MALES							
139-F	6.1	6.4	6.3	6.1	6.2	6.7	6.1
227-G	9.0	9.5	9.1	9.4	9.1	9.8	9.0
426-G	7.2	7.7	7.5	8.3	7.5	8.1	7.7
918-J	8.1	8.8	8.2	8.4	8.2	10.0	10.0
MEAN	7.6	8.1	7.8	8.0	7.7	8.6	8.2
S.D.	1.24	1.35	1.18	1.34	1.22	1.55	1.69

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DUE TO PREGNANCY

MONS 016782

TABLE 35.3

BODY WEIGHTS
(KG)

CONTROL

MONTH---	10	10	11	11	12	12
WEEK----	41	43	45	47	49	51
ANIMAL	01/07-	01/21-	02/04-	02/18-	03/04-	03/18-
NUMBER	01/14/78	01/28/78	02/11/78	02/25/78	03/11/78	03/25/78
FEMALES						
764-E	7.3 a	7.6 a	8.0 a	8.4 a	8.7 a	8.6 a
087-F	8.4 a	8.2 a	8.3 a	8.8 a	8.6 a	8.7 a
200-F	8.4 a	8.3 a	8.6 a	8.9 a	8.6 a	8.6 a
274-F	5.7 a	5.7 a	6.1 a	6.8 a	7.0 a	7.4 a
569-H	8.1	8.0	7.9	8.2	7.8	7.9
578-H	6.8 a	6.5 a	6.6 a	7.1 a	7.3 a	7.6 a
604-I	6.5 a	6.3 a	7.0 a	7.3 a	7.6 a	7.9 a
618-I	8.1 a	8.0 a	8.5 a	8.8 a	8.7 a	8.9 a
MEAN	8.1	8.0	7.9	8.2	7.8	7.9
S.D.	.	.	.	.	.	.
MALES						
739-I	6.3	6.5	6.2	6.2	6.2	6.0
227-G	9.1	8.8	8.9	9.0	9.1	9.0
426-G	7.2	7.4	7.2	7.C	7.0	7.0
418-J	10.0	9.2	8.8	9.1	9.2	9.2
MEAN	8.1	8.0	7.8	7.8	7.9	7.8
S.D.	1.70	1.25	1.31	1.45	1.51	1.56

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DUE TO PREGNANCY

TABLE 35.4

BODY WEIGHTS
(KG)

CONTROL

MONTH---	13	13	13	14	14	15	15
WEEK----	53	55	57	59	61	63	65
ANIMAL NUMBER	04/01-04/08/78	04/15-04/22/78	04/29-05/06/78	05/13-05/20/78	05/27-06/03/78	06/10-06/17/78	06/24-07/01/78
FEMALES							
764-E	8.9 a	9.5 a	8.3	7.7	7.6	7.9	7.8
200-F	8.8 a	9.1 a	9.2 a	9.1 a	9.3 a	7.8	7.1
274-F	7.3 a	8.8 a	7.2	6.4	6.1	6.4	6.8
569-H	8.0	8.2	8.5	7.8	7.6	7.6	7.8
578-H	7.6 a	8.0 a	7.9 a	7.7 a	6.2	6.6	6.3
604-I	7.9 a	8.2 a	7.1	6.1	6.1	5.9	5.9
618-I	8.9 a	8.9 a	9.1 a	7.5	7.2	7.0	6.8
MEAN	8.0	8.2	7.8	7.1	6.8	6.9	6.8
S.D.	.	.	0.73	0.79	0.75	0.85	0.79
MALES							
739-I	6.0	6.0	5.7	5.8	5.9	5.7	5.9
227-G	9.1	9.1	8.6	8.7	8.8	8.2	8.1
426-G	7.0	7.2	6.6	6.7	6.8	6.8	6.6
418-J	9.0	9.4	8.6	8.9	9.0	9.5	9.7
MEAN	7.8	7.9	7.4	7.5	7.6	7.5	7.6
S.D.	1.53	1.61	1.46	1.49	1.52	1.65	1.69

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DUE TO PREGNANCY

MONS 016784

TABLE 35.5

BODY WEIGHTS
(KG)

CONTROL

MONTH---	16	16	17	17	18	18	18
WEEK----	67	69	71	73	75	77	79
ANIMAL	07/08-	07/22-	08/05-	08/19-	09/02-	09/16-	09/30-
NUMBER	07/15/78	07/29/78	08/12/78	08/26/78	09/09/78	09/23/78	10/07/78
FEMALES							
764-E	6.7	6.6	6.6	6.8	6.5	6.7	6.6
200-F	6.2	6.5	6.7	6.7	6.6	6.3	6.5
274-F	5.5	5.5	5.6	5.5	5.1	5.2	5.8
569-H	7.3	7.7	7.7	7.9	7.5	7.5	7.6
57H-H	5.3	5.8	5.8	5.6	5.1	5.3	5.2
604-I	5.6	5.6	5.7	5.3	5.1	5.3	5.2
618-I	6.3	6.8	6.7	7.0	6.9	7.1	7.2
MEAN	6.2	6.4	6.6	6.6	6.1	6.7	6.1
S.D.	3.78	0.78	0.79	0.9#	0.99	0.95	1.00
MALES							
739-F	5.8	6.0	6.0	6.0	6.0	6.7	6.5
227-G	8.1	8.8	8.1	8.8	8.8	8.6	8.2
626-G	6.7	6.7	7.0	7.3	6.7	7.0	7.0
418-J	9.1	9.0	9.3	9.5	9.4	9.3	10.1
MEAN	7.4	7.4	7.6	7.7	7.5	7.9	7.9
S.D.	1.46	1.34	1.42	1.4#	1.50	1.25	1.60

# INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DUE TO PREGNANCY

TABLE 35.6

BODY WEIGHTS
(BG)

CONTROL

MONTH---	19	19	20	20
WEEK----	01	03	05	07
ANIMAL	10/14-	10/28-	11/11-	11/25-
NUMBER	10/21/78	11/04/78	11/18/78	12/02/78
FEMALES				
144-E	6.7	6.2	6.6	6.5
200-F	6.5	6.4	6.7	6.7
274-F	4.7	4.6	5.0	5.0
569-H	7.2	7.1	7.5	7.4
578-H	5.3	5.1	5.3	5.7
604-I	5.2	5.2	5.5	5.3
618-I	7.0	7.1	7.0	7.2
MEAN	6.1	6.0	6.2	6.3
S.D.	1.06	1.00	0.96	0.94
MALES				
339-F	6.0	6.3	6.3	6.4
227-G	8.1	8.3	8.7	9.0
426-G	6.9	7.1	7.0	7.3
418-J	10.4	10.5	10.6	11.0
MEAN	7.8	8.0	8.1	8.4
S.D.	1.91	1.83	1.92	2.03

# INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DUE TO PREGNANCY

TABLE 36

MEAN WEIGHTS
(KG)

> UG/KG

MONTH---	1	1	1	2	2	3	3
WEEK----	1	3	5	7	9	11	13
ANIMAL NUMBER	4/04-4/11/77	4/18-4/25/77	4/30-5/07/77	5/14-5/21/77	5/28-6/04/77	6/11-6/18/77	6/25-7/02/77
FEMALES							
646-E	7.2	6.3	6.2	6.2	5.7	5.8	6.0
701-E	6.5	5.6	5.7	5.5	5.2	5.3	5.5
605-F	7.5	7.7	7.8	7.5	7.3	7.5	7.6
839-H	6.3	6.7	6.6	6.6	6.6	6.8	7.0
286-I	5.3	5.4	5.2	5.1	5.2	5.5	5.2
483-F	---	4.3	4.2	3.9	3.8	3.8	3.6
309-I	5.5	5.8	6.1	6.5	6.5	7.0	6.9
624-I	6.4	5.4	5.6	5.9	5.7	5.8	5.9
MEAN	6.1	5.9	5.9	5.9	5.7	5.9	6.0
S.D.	1.10	1.01	1.05	1.08	1.00	1.17	1.25
MALES							
516-G	8.2	8.4	8.5	8.5	8.6	8.7	8.8
119-H	5.7	5.5	5.3	5.1	5.4	5.5	5.3
420-J	9.6	9.8	9.6	9.8	9.8	10.1	10.1
432-J	7.2	7.5	7.5	7.4	7.8	7.8	8.0
MEAN	7.6	7.8	7.7	7.7	7.9	8.0	8.0
S.D.	1.57	1.80	1.83	1.93	1.86	1.91	2.03

# INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DUE TO PREGNANCY

TABLE 36.1

BODY WEIGHTS
(KG)

5 UG/KG

MONTH---	4	4	5	5	6	6
WEEK----	15	17	19	21	23	25
ANIMAL	7/09-	7/23-	8/06-	8/20-	9/03-	9/17-
NUMBER	7/16/77	7/30/77	8/13/77	8/27/77	9/10/77	9/24/77
FEMALES						
646-E	6.2	6.7	6.3	6.1	6.5	6.5
701-E	5.7	5.7	5.6	5.1	5.8	6.0
605-F	7.8	8.0	7.9	8.0	8.1	8.0
839-H	7.1	7.5	7.6	7.5	7.8	8.0
284-I	5.6	5.5	5.3	5.1	5.0	4.8
483-F	4.0	4.0	4.0	3.9	3.9	4.0
309-I	7.4	7.8	7.8	8.0	8.7	8.8
824-I	6.1	6.2	6.1	5.9	6.1	5.9
MEAN	6.2	6.4	6.3	6.2	6.5	6.7
S.D.	1.21	1.36	1.38	1.51	1.64	1.67
MALES						
516-G	8.2	8.8	8.7	8.8	9.2	8.9
119-H	5.4	5.8	5.5	5.4	6.0	6.1
428-J	9.8	10.2	10.2	9.8	10.6	10.5
432-J	8.4	8.9	8.7	8.2	9.2	9.1
MEAN	7.9	8.4	8.3	8.0	8.7	8.6
S.D.	1.84	1.86	1.98	1.89	1.95	1.84

# INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DUE TO PREGNANCY

TABLE 36.2

BODY WEIGHTS
(KG)

5 DOSAGE

MONTH---	7	7	7	8	8	9	9
WEEK----	27	29	31	33	35	37	39
ANIMAL	10/01-	10/15-	10/29-	11/12-	11/26-	12/10-	12/24-
NUMBER	10/08/77	10/22/77	11/05/77	11/19/77	12/03/77	12/17/77	12/30/77
FEMALES							
646-E	6.1	6.2	6.9	6.5	6.8 a	6.7 a	6.9 a
701-E	5.6	5.9	6.0	5.1	5.8	5.9 a	5.7 a
605-F	8.2	8.7	9.3	8.5 a	8.7 a	9.1 a	9.0 a
839-H	7.8	8.3	8.5	8.7	8.2	8.1	8.8
284-I	5.5	6.2	6.6	5.7	6.0	6.2	6.2
483-F	3.9	3.9	4.0	3.6	4.0	3.9	3.9
309-I	8.2	8.5	8.8	8.6	8.3	8.6	8.6
624-I	5.8	6.0	6.3	5.8 a	6.0 a	6.3 a	6.4 a
MEAN	6.4	6.7	7.0	6.1	6.5	6.7	6.6
S.D.	1.54	1.66	1.75	1.58	1.61	2.13	2.05
MALES							
516-G	8.7	9.0	9.0	9.6	9.0	9.1	8.8
119-H	5.4	5.5	5.1	5.8	5.3	5.4	5.5
420-J	10.0	10.5	9.9	10.1	10.5	10.7	10.8
432-J	8.8	9.5	9.6	9.6	9.8	9.7	9.8
MEAN	8.2	8.6	8.4	8.8	8.6	8.7	8.5
S.D.	1.97	2.11	2.23	2.10	2.32	2.31	2.21

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DUE TO PREGNANCY

TABLE 36.3

BODY WEIGHTS
(KG)

5 UG/KG

MONTH---	10	10	11	11	12	12
WEEK----	41	43	45	47	49	51
ANIMAL NUMBER	01/07-01/14/78	01/21-01/28/78	02/04-02/11/78	02/18-02/25/78	03/04-03/11/78	03/18-03/25/78
FEMALES						
646-E	7.1 a	7.0	7.3	7.4	6.8	6.8
701-E	6.7 a	6.0 a	6.2 a	6.5 a	6.8 a	7.0 a
605-F	9.2 a	9.5 a	10.0 a	10.2 a	10.9 a	10.8 a
839-H	8.1	8.5	8.6	8.3	8.5	8.5
284-I	6.2	6.3	6.2	6.1	6.1	6.0
483-F	3.9	4.0	4.0	3.9	4.0	3.8
309-I	8.5	8.3	8.0	7.9 a	8.0 a	8.1 a
624-I	8.0 a	7.3 a	7.5 a	7.6 a	7.6 a	7.8 a
MEAN	6.7	6.8	6.8	6.6	6.3	6.3
S.D.	2.10	1.82	1.81	1.91	1.86	1.95
MALES						
516-G	8.4	8.8	8.6	8.2	8.2	8.0
119-H	5.3	5.9	5.3	5.0	5.2	5.3
428-J	10.8	10.3	10.8	10.2	10.8	10.1
432-J	8.7	8.9	8.6	8.6	8.2	8.8
MEAN	8.3	8.4	8.3	8.0	7.9	7.8
S.D.	2.27	2.04	2.27	2.16	1.99	1.97

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DUE TO PREGNANCY

TABLE 3G.4

WEAN WEIGHTS
(KG)

5 WEEKS

MONTH---	13	13	13	14	14	15	15
WEEK----	53	55	57	59	61	63	65
ANIMAL NUMBER	04/01-04/07/78	04/15-04/22/78	04/29-05/06/78	05/13-05/20/78	05/27-06/03/78	06/10-06/17/78	06/24-07/01/78
FEMALES							
666-E	6.8	7.0	7.0	6.4	6.0	6.1	6.0
701-E	7.1 a	7.7 a	7.7 a	7.6 a	7.5 a	---	5.8
603-F	10.8 a	11.0 a	11.0 a	9.2	8.4	8.2	7.1
839-H	8.3	8.7	8.6	8.0	7.9	7.6	7.3
284-I	6.0 a	6.4 a	6.5 a	6.1 a	6.8 a	6.8 a	6.9 a
483-I	3.8	3.9	4.2 a	3.7 a	3.5 a	4.6 a	3.5 a
389-I	8.0 a	8.9 a	8.8 a	8.5 a	8.6 a	8.6 a	9.8 a
624-I	7.9 a	8.1 a	7.8	6.7	5.9	5.8	5.8
MEAN	6.3	6.5	7.5	7.6	7.0	6.9	6.4
S.D.	2.29	2.43	0.92	1.29	1.29	1.12	0.74
MALES							
51A-G	8.1	8.3	7.8	7.8	7.9	8.0	8.5
114-H	5.1	5.5	5.6	5.2	5.2	5.2	5.6
428-J	10.2	10.2	9.7	9.6	9.9	10.0	9.5
432-J	8.1	8.2	8.0	7.6	7.8	8.1	8.6
MEAN	7.9	8.0	7.7	7.5	7.7	7.8	8.0
S.D.	2.10	1.91	1.77	1.81	1.93	1.98	1.79

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DUE TO PREGNANCY

MONS 016791

TABLE 36.5

BODY WEIGHTS
(KG)

5 06/96

MONTH---	16	16	17	17	18	18	18
WEEK----	67	69	71	73	75	77	79
ANIMAL	07/08-	07/22-	08/05-	08/19-	09/02-	09/16-	09/30-
NUMBER	07/15/78	07/29/78	08/12/78	08/26/78	09/09/78	09/23/78	10/07/78
FEMALES							
646-E	5.6	6.8	5.7	6.4	5.8	5.9	5.7
701-E	5.4	5.4	5.5	5.1	5.1	5.0	5.3
605-F	6.4	7.8	7.5	7.8	7.8	7.8	8.0
839-H	6.7	7.3	7.0	7.1	7.0	7.1	6.9
286-I	6.2 d	6.8 d	7.5 d	7.1 d	7.0 d	6.5	5.5
483-F	3.5 d	4.0 d	4.5 d	4.6 d	4.4 d	4.9 d	4.8
309-I	8.7 d	9.0 d	9.4 d	---	7.3	7.8	6.8
624-I	5.3	5.8	5.7	5.8	5.5	6.0	5.9
MEAN	5.9	6.6	6.3	6.5	6.4	6.6	6.0
S.D.	0.61	1.01	0.91	1.04	1.09	1.04	1.21
MALES							
516-G	9.2	8.1	8.6	8.7	8.5	9.7	8.5
189-H	5.2	5.1	5.3	5.5	5.3	6.0	5.3
428-J	9.8	11.9	9.8	10.1	10.0	10.8	10.1
432-J	8.2	10.8	8.6	8.8	8.4	8.7	8.8
MEAN	7.6	9.0	8.0	8.1	8.0	8.8	8.2
S.D.	1.92	3.06	1.92	1.96	1.97	2.05	2.04

d INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DUE TO PREGNANCY

TABLE 36.6

BODY WEIGHTS
(KG)

5 UG/KG

MONTH---	19	19	20	20
WEEK----	81	83	85	87
ANIMAL NUMBER	10/14-10/21/78	10/28-11/04/78	11/11-11/18/78	11/25-12/02/78
FEMALES				
446-E	6.0	5.8	5.9	6.1
701-E	5.5	5.5	5.7	5.9
605-E	8.0	8.1	8.0	8.2
839-H	7.5	7.4	7.4	7.7
284-I	5.7	5.2	5.4	5.3
483-F	3.8	3.6	3.8	3.8
309-I	6.6	6.6	7.0	7.1
624-I	6.0	6.0	6.5	6.6
MEAN	6.1	6.0	6.2	6.3
S.D.	1.29	1.30	1.32	1.40
MALES				
516-G	8.3	8.5	8.7	8.6
119-H	5.3	5.4	5.4	5.2
428-J	10.4	10.1	10.1	9.9
432-J	8.7	8.8	8.8	8.6
MEAN	8.2	8.2	8.2	8.1
S.D.	2.12	1.99	2.00	2.01

# INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DUE TO PREGNANCY

TABLE 37

BODY WEIGHTS
(KG)

25 MG/KG

MONTH---	1	1	1	2	2	3	3
WEEK----	1	3	5	7	9	11	13
ANIMAL NUMBER	4/04-4/11/77	4/16-4/23/77	4/30-5/07/77	5/14-5/21/77	5/28-6/04/77	6/11-6/18/77	6/25-7/02/77
FEMALES							
762-E	5.9	5.7	5.8	5.8	5.5	5.5	5.5
763-E	6.7	6.6	6.4	6.5	6.6	6.8	6.8
781-G	5.3	5.2	5.2	5.1	5.3	5.3	5.6
540-H	5.9	5.9	6.1	6.4	6.4	6.5	6.5
841-H	6.1	5.3	5.2	5.1	4.9	4.9	4.8
273-I	6.2	6.5	6.3	6.1	6.2	6.1	6.5
307-I	6.8	6.7	6.6	6.3	6.7	6.8	7.0
757-I	4.5	4.5	4.7	4.8	4.7	4.8	5.0
MEAN	5.9	5.84	5.89	5.9	5.8	5.8	6.0
S.D.	0.75	0.78	0.68	0.69	0.79	0.82	0.84
MALES							
20-I	10.2	11.1	11.2	10.1	11.3	11.4	11.8
46-I	13.4	13.9	14.0	13.8	13.8	13.8	14.1
595-I	7.6	7.9	7.9	7.8	8.3	8.8	8.4
599-I	7.4	8.1	8.3	8.4	8.6	8.7	8.9
MEAN	9.6	10.2	10.3	10.0	10.4	10.5	10.8
S.D.	2.81	2.84	2.84	2.70	2.63	2.66	2.66

# INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DUE TO PREGNANCY

MONS 016794

TABLE 37.1

BODY WEIGHTS
(KG)

25 UG/KG

MONTH---	4	4	5	5	6	6
WEEK----	15	17	19	21	23	25
ANIMAL	7/09-	7/23-	8/06-	8/20-	9/03-	9/17-
NUMBER	7/16/77	7/30/77	8/13/77	8/27/77	9/10/77	9/24/77
FEMALES						
762-E	5.8	5.5	5.5	5.5	5.8	5.7
763-E	7.2	7.2	7.3	7.1	7.6	7.9
201-G	5.9	5.8	5.8	5.5	5.8	6.0
540-H	6.7	6.6	6.5	6.4	6.0	6.7
841-H	5.0	5.0	4.8	4.7	4.9	5.0
273-I	6.3	6.7	6.8	6.5	6.8	7.0
307-I	7.1	7.3	7.5	7.4	7.2	7.3
757-I	5.0	5.0	5.3	5.0	5.3	6.5
MEAN	6.1	6.1	6.2	6.0	6.2*	6.3
S.D.	0.86	0.93	0.98	0.98	0.96	1.17
MALES						
20-I	11.4	11.7	11.0	10.9	11.6	11.8
46-I	13.9	13.8	13.9	13.4	14.2	14.1
595-I	8.3	8.5	8.3	7.8	8.6	8.7
599-I	8.8	8.8	8.5	8.2	8.8	8.4
MEAN	10.6	10.7	10.4	10.1	10.8	10.7
S.D.	2.59	2.52	2.62	2.61	2.65	2.71

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DUE TO PREGNANCY

TABLE 37.2

BODY WEIGHTS
(KG)

25 UG/KG

MONTH---	7	7	7	8	8	9	9
WEEK----	27	29	31	33	35	37	39
ANIMAL	10/01-	10/15-	10/29-	11/12-	11/26-	12/10-	12/24-
NUMBER	10/08/11	10/22/11	11/05/11	11/19/11	12/03/11	12/17/11	12/30/11
FEMALES							
362-E	5.2	5.4	5.4	5.3	5.2	5.1	5.0 a
763-E	7.5	7.2	8.0	7.7	8.0	8.0 a	7.9 a
281-G	5.8	5.8	6.2	6.1	6.5	6.6	6.3
540-H	6.6	6.8	6.8	6.7	7.0	7.0 a	6.8 a
841-H	4.5	5.2	4.9	4.5	5.0	5.0 a	5.0 a
273-I	6.7	7.3	7.3	7.1	7.4 a	8.1 a	7.8 a
307-I	7.3	7.9	7.6	7.4	7.5	7.7	7.3
757-I	4.5	5.4	5.2	5.1	5.1	5.3 a	5.3 a
MEAN	6.0	6.4	6.4	6.2	6.4	6.5	6.8
S.D.	1.19	1.05	1.18	1.15	1.21	1.20	0.71
MALES							
20-I	11.2	11.6	11.1	11.6	11.3	11.1	11.1
46-I	14.0	13.9	13.3	13.2	12.9	13.0	13.1
595-I	7.8	8.5	8.1	8.2	8.0	8.5	8.6
599-I	8.7	8.7	8.5	8.7	8.6	9.0	9.2
MEAN	10.4	10.7	10.2	10.4	10.2	10.4	10.5
S.D.	2.70	2.57	2.43	2.44	2.30	2.09	2.03

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DUE TO PREGNANCY

TABLE 37.1

BODY WEIGHTS
(KG)

25 UG/KG

MONTH---	10	10	11	11	12	12
WEEK----	44	45	45	47	49	51
ANIMAL	01/07-	01/21-	02/04-	02/18-	03/04-	03/18-
NUMBER	01/14/78	01/28/78	02/11/78	02/25/78	03/11/78	03/25/78
FEMALES						
762-E	5.1 a	5.0 a	4.9 a	5.1 a	5.2 a	5.4 a
763-E	8.2 a	8.4 a	8.6 a	9.1 a	9.5 a	9.2 a
281-G	6.3	6.5	6.2	6.5	6.1	6.0
540-H	6.8 a	6.9 a	6.9 a	7.5 a	7.5 a	7.8 a
841-H	5.1 a	5.2 a	5.6 a	6.0 a	6.2 a	6.8 a
273-I	8.1 a	8.8 a	9.8 a	9.7 a	10.2 a	10.8 a
307-I	7.3	7.0	7.1	7.2	7.1	6.9
797-I	5.3 a	5.4 a	5.7 a	5.9 a	5.8 a	5.9 a
MEAN	6.8	6.8	6.6	6.8	6.6	6.4
S.D.	0.71	0.85	0.64	0.49	0.71	0.64
MALES						
020-I	10.9	10.8	10.5	10.5	10.3	10.8
46-I	12.8	13.1	12.2	12.5	12.8	13.0
595-I	8.9	8.8	8.1	8.0	8.0	8.0
599-I	8.5	8.4	8.3	8.3	8.2	8.4
MEAN	10.3	10.1	9.8	9.8	9.8	10.0
S.D.	1.98	2.36	1.95	2.10	2.24	2.32

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DUE TO PREGNANCY

TABLE 37.4

BODY WEIGHTS
(KG)

25 UG/KG

MONTH---	13	13	13	14	14	15	15
WEEK----	53	55	57	59	61	63	65
ANIMAL	04/01-	04/15-	04/29-	05/13-	05/27-	06/10-	06/24-
NUMBER	04/08/78	04/22/78	05/06/78	05/20/78	06/03/78	06/17/78	07/01/78
FEMALES							
762-E	5.2 a	5.5 a	5.6 a	5.5 a	5.2 a	4.4	6.2
763-E	9.7 a	10.2 a	10.2 a	10.2 a	9.1	8.2	7.2
281-G	5.8	6.1	6.0	5.8	5.6 a	5.7 a	5.8 a
560-H	7.8 a	8.4 a	8.3 a	7.3	6.9	6.1	5.2
841-H	6.1 a	6.5 a	5.6	5.2	4.7	4.7	6.9
273-I	9.5 a	10.2 a	10.5 a	8.8	8.2	8.0	7.3
307-I	6.8	6.9	7.1	6.5	6.5	6.6	6.7
752-I	6.0 a	6.4 a	6.6 a	5.5	5.0	5.1	5.2
MEAN	6.3	6.5	6.29	6.5	6.7	6.2	5.8
S.D.	0.71	0.57	0.78	1.35	1.73	1.53	1.23
MALES							
020-I	10.2	10.4	9.9	9.6	9.1	9.0	9.0
046-I	12.4	13.0	12.5	11.7	12.6	12.8	12.9
595-I	7.8	8.0	7.5	6.7	6.7	6.8	7.6
599-I	8.2	8.4	8.5	8.0	7.8	7.9	8.2
MEAN	9.6	9.9	9.6	9.0	9.0	9.1	9.4
S.D.	2.11	2.29	2.17	2.16	2.56	2.61	2.39

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DUE TO PREGNANCY

TABLE 37.5

BODY WEIGHTS
(KG)

23 OCT 96

MONTH---	16	16	17	17	18	18	18
WEEK----	67	69	71	73	75	77	79
ANIMAL	07/08-	07/22-	08/05-	08/19-	09/02-	09/16-	09/30-
NUMBER	07/15/18	07/29/18	08/12/18	08/26/18	09/09/18	09/23/18	10/07/18
FEMALES							
762-E	3.8	4.9	4.1	4.0	4.3	3.9	3.6
763-E	6.6	6.4	6.8	6.7	6.8	6.8	6.5
281-G	5.5 a	5.8 a	5.8 a	6.2 a	6.5 a	6.6 a	6.7 a
540-H	5.0	5.6	5.7	6.0	5.9	6.0	5.8
841-H	6.1	6.4	6.3	6.2	5.0	---	---
273-I	7.4	8.0	7.8	7.8	7.7	7.7	7.5
307-I	6.1	6.4	6.3	6.6	6.3	6.4	6.2
757-I	4.6	5.0	4.7	4.7	4.7	5.0	4.9
MEAN	5.4	5.8	5.7	5.7	5.8	6.0	5.7
S.D.	1.35	1.23	1.38	1.44	1.22	1.35	1.35
MALES							
320-I	9.6	8.7	8.6	9.0	8.5	8.9	8.5
046-I	13.1	13.1	13.3	13.6	13.7	13.6	13.7
595-I	7.0	6.9	7.1	7.2	6.5	6.4	7.1
549-I	7.8	8.0	7.8	8.2	8.1	9.5	8.6
MEAN	9.1	9.2	9.2	9.5	9.2	9.6	9.5
S.D.	2.73	2.72	2.80	2.83	3.12	2.99	2.90

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DUE TO PREGNANCY

TABLE 37.6

BODY WEIGHTS
(KG)

25 UG/KG

MONTH---	19	19	20	20
WEEK----	81	83	85	87
ANIMAL NUMBER	10/16-10/21/78	10/28-11/04/78	11/11-11/18/78	11/25-12/02/78
FEMALES				
762-E	3.9	3.7	3.8	4.0
763-E	7.0	6.7	6.8	7.0
281-G	6.7 a	6.9 a	6.1	6.5
540-H	5.8	6.0	6.1	6.2
273-I	7.4	7.4	7.6	7.9
307-I	6.2	6.2	6.2	6.3
757-I	4.9	5.0	5.0	5.2
MEAN	5.9	5.8	5.9	6.2
S.D.	1.31	1.31	1.23	1.26
MALES				
820-I	8.9	9.0	9.1	8.8
846-I	13.6	13.7	13.6	13.5
595-I	7.3	7.5	7.6	7.3
599-I	9.0	8.8	8.9	8.8
MEAN	9.7	9.7	9.8	9.6
S.D.	2.78	2.77	2.62	2.69

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DUE TO PREGNANCY

TABLE 3H

BODY WEIGHTS
ERGI

100 UG/KG

MONTH---	1	1	1	2	2	3	3
WEEK----	1	3	5	7	9	11	13
ANIMAL NUMBER	4/04-4/11/77	4/18-4/25/77	4/30-5/07/77	5/14-5/21/77	5/28-6/04/77	6/11-6/18/77	6/25-7/02/77
FEMALES							
152-F	5.4	5.1	5.1	4.8	4.8	4.8	5.0
226-F	4.4	4.4	4.7	4.5	4.8	5.0	5.2
486-H	6.1	5.8	5.8	5.2	5.0	5.1	5.3
269-I	6.9	6.4	6.1	5.6	5.5	5.2	5.2
287-I	5.2	5.2	5.2	5.0	5.0	5.1	4.9
312-I	6.0	5.7	5.6	5.4	5.3	5.5	5.2
338-I	6.3	5.8	5.8	5.8	5.6	5.6	5.8
770-I	4.5	4.8	5.0	5.0	4.8	4.8	4.8
MEAN	5.69	5.400	5.400	5.200	5.100	5.100	5.200
S.D.	0.68	0.64	0.48	0.43	0.33	0.29	0.31
MALES							
706-E	9.1	8.5	8.4	8.5	8.5	8.8	8.8
600-I	10.8	10.4	10.4	10.5	10.8	10.7	11.2
425-J	6.1	6.4	6.1	6.2	6.2	6.5	6.6
427-J	8.2	8.8	8.2	8.4	8.7	8.9	9.3
MEAN	8.1	8.3	8.3	8.4	8.5	8.7	9.0
S.D.	1.67	1.65	1.76	1.76	1.88	1.72	1.89

# INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DUE TO PREGNANCY

TABLE 38.1

BODY WEIGHTS
(RAT)

100 UG/KG

MONTH---	4	4	5	5	6	6
WEEK----	15	17	19	21	23	25
ANIMAL NUMBER	7/09-7/16/77	7/23-7/30/77	8/06-8/13/77	8/20-8/27/77	9/03-9/10/77	9/17-9/24/77
FEMALES						
152-F	5.2	5.1	4.9	4.9	5.0	5.0
226-F	5.0	5.5	5.3	5.1	5.0	5.0
486-H	5.2	5.3	5.0	5.0	5.1	5.2
269-I	5.0	4.9	4.8	4.7	5.0	5.1
287-I	5.1	5.1	5.0	5.0	5.3	5.9
312-I	5.2	5.0	5.1	5.0	5.0	6.4
338-I	5.6	5.6	5.5	5.5	5.0	6.0
770-I	4.8	4.8	4.7	4.7	4.7	4.8
MEAN	5.19*	5.30*	5.10*	5.10*	5.30*	5.60*
S.D.	0.23	0.35	0.37	0.31	0.41	0.53
MALES						
706-E	8.4	8.3	8.5	8.1	8.6	8.5
606-I	11.3	11.2	11.3	10.8	11.3	11.4
425-J	6.5	6.6	6.5	6..	7.2	8.4
427-J	8.8	8.8	9.2	9.0	9.0	9.0
MEAN	8.7	8.7	8.9	8.5	9.2	9.3
S.D.	1.97	1.90	1.98	1.91	1.74	1.72

* INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DUE TO PREGNANCY

TABLE 38.2

BODY WEIGHTS
(KG)

100 UG/KG

MONTH---	7	7	7	8	8	9	9
WEEK----	27	29	31	33	35	37	39
ANIMAL NUMBER	10/01-10/08/77	10/15-10/22/77	10/29-11/05/77	11/12-11/19/77	11/26-12/03/77	12/10-12/17/77	12/26-12/30/77
FEMALES							
152-F	4.8	5.0	5.3	4.9	4.9	5.3	4.8
226-F	5.3	5.1	5.8	5.2	5.5	5.3	5.1
486-H	5.0	5.2	5.3	5.1	4.8	4.9	5.1
269-1	5.1	5.3	5.5	4.8	4.8	4.8	5.0
287-1	5.2	5.8	6.0	6.1	5.3	5.4	5.6
312-1	5.8	6.1	6.5	6.0	6.2 a	5.8 a	6.5 a
338-1	5.6	5.9	6.3	6.1	6.1	6.2	5.9 a
370-1	4.2	4.5	4.7	4.3	4.6	4.8	4.1
MEAN	5.100	5.400	5.700	5.300	5.100	5.100	4.900
S.D.	0.49	0.53	0.59	0.60	0.56	0.67	0.49
MALES							
706-E	8.0	8.0	8.2	8.0	8.0	8.5	8.3
600-I	11.0	10.9	10.8	10.8	10.3	9.5	8.8
425-J	6.8	7.0	7.1	7.5	7.1	7.4	7.4
427-J	9.7	9.9	9.4	9.6	9.2	9.6	9.5
MEAN	8.9	8.9	8.9	9.0	8.6	8.7	8.7
S.D.	1.85	1.77	1.59	1.51	1.40	1.03	1.11

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DAYS TO PREGNANCY

TABLE 38.3

BODY WEIGHTS
(KG)

100 UG/KG

MONTH---	10	10	11	11	12	12
WEEK----	41	43	45	47	49	51
ANIMAL	01/07/-	01/21/-	02/04/-	02/18/-	03/04/-	03/18/-
NUMBER	01/14/78	01/28/78	02/11/78	02/25/78	03/11/78	03/25/78
FEMALES						
152-F	4.8	4.8	---	---	---	---
226-F	5.3	5.6	5.4 a	5.8 a	5.9 a	5.7 a
496-H	5.4	5.6	5.4	5.4	5.5	6.9
269-I	4.7	4.8	5.1	5.0	5.2	5.0
287-I	5.7	5.8	5.5	5.4	5.5	5.3
312-I	6.7 a	7.2 a	7.4 a	7.8 a	8.8 a	7.8 a
338-I	6.3 a	6.5 a	6.5 a	6.1 a	6.4	6.2
770-I	4.2	4.5	4.2	4.1	4.8	4.0
MEAN	5.09*	5.29*	5.0*	5.0*	5.3	5.1*
S.D.	0.55	0.55	0.59	0.61	0.86	0.74
MALES						
706-E	8.3	8.3	8.2	8.3	8.6	8.4
680-I	9.3	9.7	9.1	9.0	9.2	8.9
425-J	7.8	8.0	7.8	7.2	7.4	7.2
427-J	9.2	9.4	9.0	9.2	10.0	9.8
MEAN	8.6	8.8	8.3	8.4	8.8	8.6
S.D.	0.72	0.83	0.97	0.90	1.10	1.08

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DUE TO PREGNANCY

TABLE 38.4

BODY WEIGHTS
(KG)

100 MG/KG

MONTH---	13	13	13	14	14	15	15
WEEK----	53	55	57	59	61	63	65
ANIMAL NUMBER	04/30-04/08/78	04/15-04/22/78	04/29-05/06/78	05/13-05/20/78	05/27-06/03/78	06/10-06/17/78	06/24-07/01/78
FEMALES							
226-F	5.8	5.8	5.6	5.1	4.5	4.2	4.2
269-I	5.2	5.2	5.0	4.9	4.4	4.0	5.3
287-I	5.3	5.5	5.0	5.1	4.8	4.7	5.4
312-I	8.0 a	8.4 a	8.7 a	6.6	6.0	5.8	5.8
338-I	6.2	6.1	5.9	5.8	5.5	5.6	5.2
MEAN	5.6	5.6**	5.4**	5.5	5.0**	5.0**	5.1**
S.D.	0.46	0.39	0.45	0.78	0.69	0.66	0.53
MALES							
206-E	8.0	8.2	8.3	7.5	7.6	7.4	7.1
600-I	8.8	8.9	8.6	8.2	8.3	8.6	9.0
425-J	7.3	7.9	7.7	7.1	7.4	7.6	7.7
427-J	10.0	9.7	9.4	9.4	9.3	9.6	9.5
MEAN	8.5	8.7	8.5	8.0	8.1	8.3	8.3
S.D.	1.16	0.80	0.73	1.01	0.86	1.01	1.01

a INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DUE TO PREGNANCY

TABLE 30.5

BODY WEIGHTS
(KG)

100 UG/KG

MONTH---	16	16	17	17	18	18	18
WEEK----	67	69	71	73	75	77	79
ANIMAL NUMBER	07/06-07/15/78	07/22-07/29/78	08/05-08/12/78	08/19-08/26/78	09/02-09/09/78	09/16-09/23/78	09/30-10/07/78
FEMALES							
226-F	3.7	4.2	3.8	4.2	3.8	4.2	4.0
269-I	4.2	5.4	5.0	5.1	5.0	5.2	4.9
287-I	5.5	5.0	4.8	5.0	4.8	5.1	4.8
312-I	4.7	5.0	4.8	4.6	4.5	4.8	4.5
330-I	4.7	5.0	4.8	4.3	---	---	---
MEAN	4.7**	4.9**	4.6**	4.6**	4.5*	4.8*	4.5*
S.D.	0.64	0.44	0.48	0.4C	0.53	0.45	0.48
MALES							
706-E	6.4	---	---	---	---	---	---
600-I	8.1	8.0	8.2	8.7	8.1	8.0	7.6
425-J	7.3	7.3	7.4	7.9	7.5	7.5	8.0
427-J	9.3	9.5	9.4	9.9	7.5	7.6	10.1
MEAN	7.8	8.3	8.3	8.8	7.7	7.7	8.6
S.D.	1.23	1.12	1.01	1.01	0.35	0.26	1.34

@ INDICATES RESULT WAS NOT USED IN CALCULATION OF MEAN DUE TO PREGNANCY