

CLINICAL PATHOLOGY REFERENCE RANGES

HAEMATOLOGY			
NEONATAL FOALS			
		Mean	Range
RBC	x10 ¹² /l	9.6	8.9 - 10.2
PVC	l/l	37	34.9 - 39.1
Hb	g/dl	12.8	12.1 - 13.5
McV	fl	38.5	37.2 - 39.8
McHc	g/dl	34.7	34.0 - 35.4
McH	pg	13.4	13.0 - 13.8
Plt	x10 ⁹ /l	272	215 - 329
WBC	x10 ⁹ /l	10.4	8.7 - 12.1
Segs.	x10 ⁹ /l	8.2 (79%)	75% - 83%
Lymphs	x10 ⁹ /l	1.9 (19%)	14% - 24%
Monos	x10 ⁹ /l	0.3 (2%)	1% - 3%
Eos	x10 ⁹ /l	-	-

BIOCHEMISTRY			
NEONATAL FOALS			
		Mean	Range
Total Protein	g/l	47.7	41.1 - 54.3
Globulin	g/l	20.2	14.7 - 25.7
CK	iu/l	228	147 - 309
AST	iu/l	161	140 - 182
ALB	g/l	28	26.6 - 29.4
GGT	iu/l	23.3	15.5 - 31.1
T.Bili	umol/l	67.1	49.4 - 84.8
Fib	g/l	<1.4	-
K	mmol/l	3.8	3.46 - 4.14
Cl	mmol/l	100	97 - 103
Glucose	mmol/l	3.1	2.1 - 4.1

HORSES IN TRAINING			
		Mean	Range
RBC	x10 ¹² /l	9.9	9.1 - 10.7
PVC	l/l	41.8	38.8 - 44.8
Hb	g/dl	14.4	13.5 - 15.3
McV	fl	42.4	41.0 - 43.8
McHc	g/dl	34.6	34 - 35.2
McH	pg	14.6	14.2 - 15.2
Plt	x10 ⁹ /l	166	141 - 191
WBC	x10 ⁹ /l	8.5	7.6 - 9.4
Segs.	x10 ⁹ /l	4.8 (58%)	53% - 63%
Lymphs	x10 ⁹ /l	3.1 (36%)	31% - 49%
Monos	x10 ⁹ /l	0.5 (6%)	5% - 7%
Eos	x10 ⁹ /l	0.1 (1%)	0.6% - 1.4%

HORSES IN TRAINING			
		Mean	Range
Total Protein	g/l	56.6	54.2 - 59.0
Globulin	g/l	22.6	20.5 - 24.7
CK	iu/l	200	160 - 240
AST	iu/l	433	327 - 539
ALB	g/l	34	32.7 - 35.3
GGT	iu/l	25.6	16.0 - 35.2
T.Bili	umol/l	46.9	36.7 - 57.6
Fib	g/l	<1.4	1.3 - 1.5
K	mmol/l	3.7	3.4 - 4.0
Cl	mmol/l	101	99 - 103