

Haematology and General Biochemistry (Fitness test)

Adult Racehorses

	Acronym	Units	Mean	Normal Range
Haematology				
Red Blood Cells	RBC	x 10 ¹² /L	9.07	7.4-10.4
Haemoglobin	Hb	g/dL	14.7	12-17
Haematocrit	HCT	%	41.1	35-45
Mean Corpuscular Volume	MCV	fL	45.4	41-50
Mean Corpuscular Haemoglobin	MCH	pg	16.2	14.5-18
Mean Corpuscular Haemoglobin Conc ⁿ	MCHC	g/dL	35.8	34.5-37
White Blood Cells	WBC	x 10 ⁹ /L	7.7	5-9
Neutrophils	NEU	%	54.1	55-65
Lymphocytes	LYM	%	39.2	29-49
Monocytes	MON	%	4.4	<6.2
Eosinophils	EOS	%	1.3	<4
Basophils	BASO	%	0.5	<2
Biochemistry				
Albumin	ALB	g/L	33.5	32-38
Aspartate aminotransferase	AST	iU/L	346	280-475
Bilirubin	BIL	µmol/L	30.4	25-62
Creatine Kinase	CK	iU/L	241	170-400
Erythrocyte Sedimentation Rate	ESR	mm/hr	49.0	<40
Fibrinogen	FIB	g/L	2.7	2.2-3.6
Gamma-Glutamyl Transferase	GGT	iU/L	30.4	11-60
Globulin	GLOB	g/L	22.5	19-35
Protein, Total	TP	g/L	56.1	50-58
SAA	SAA	mg/L	1.0	<10
Tracheal Wash/BAL Cytology				
Macrophages	MAC	%	41.7	<60
Mucus Score	MS	U	0.05	<=0.5
Neutrophils	NEU	%	3.5	<10