

Haematology reference ranges (In-house tests*)

Parameters (FBC and DIFFERENTIAL)	Female adult range	Male adult range
White Blood Cell (WBC)	4.0 – 11.0	4.0 – 11.0
Red Blood Cell (RBC)	3.8 – 4.8	4.5 – 5.5
Haemoglobin (HB)	115 - 160	135 - 180
Haematocrit (HCT)	0.36 – 0.46	0.40 – 0.50
Mean Cell Volume (MCV)	80 - 100	80 - 100
Mean Cell Haemoglobin (MCH)	27 – 32	27 – 32
Mean Cell Haemoglobin (MCHC)	310 – 350	310 – 360
Red Cell Distribution Width (RDW)	10.9 – 15.7	10.9 – 15.7
Platelet (PLT)	150 - 400	150 - 400
Neutrophil Absolute Count (NEUT#)	2.0 – 7.5	2.0 – 7.5
Lymphocyte Absolute Count (LYMP#)	1.5 – 4.0	1.5 – 4.0
Monocyte Absolute Count (MON#)	0.4 – 1.0	0.4 – 1.0
Eosinophilia Absolute Count (EOS#)	0.04 – 0.40	0.04 – 0.40
Basophil Absolute Count (BAS#)	0 – 0.10	0 – 0.10

Parameter	Units	Sex	0 - 50 years	51 years – 60 years	61 years – 70 years	71 + years
ESR	Mm/hour	Male	2 - 10	2 - 12	2 - 14	2 - 30
ESR	Mm/hour	Female	2 - 12	2 - 19	2 - 20	2 - 35

Test	Units	Range
Reticulocytes (absolute)	X 10 ⁹ /l	50 - 100

Test	Units	
PT	Seconds	11 - 16
APTT	Seconds	23 - 35
Fibrinogen	g/l	2.0 – 4.0
Thrombin Time	seconds	14 - 19
Reptilase Time	seconds	13 - 20
D-Dimer	Ug FEU /ml	0.0 – 0.50

Test	Units	Range
Haemoglobin A2	%	2.0 – 3.5
Haemoglobin F	%	0.1 – 2.0
Glycated haemoglobin	%	The NICE-recommended target range for HbA1c in patients with diabetes is 48-59 mmol/mol (equivalent to 6.5-7.5%). Values for individual patients should be determined on the basis of clinical factors.

* Please contact the laboratories for information on the sources of our reference ranges for in-house tests. We can also provide reference range and other information on our referred tests on request.