

HAEMATOLOGY REFERENCE RANGES

PARAMETER	UNITS	ADULT MALE	ADULT FEMALE
RCC	10 ¹² /L	4.5-5.5	3.8-4.8
Hb:	g/dL	13.0-17.0	12.0-15.0
HCT:	L/L	0.400-0.500	0.360-0.460
MCV:	fL	83-101	83-101
MCH:	pg	27-32	27-32
MCHC:	g/dL	32-36	32-36
RDW-CV:	%	11-15	11-15
RDW-SD:	fL	39-46	39-46
Platelets:	10 ⁹ /L	150-410	150-410
WBC:	10 ⁹ /L	4.0-10.0	4.0-10.0
Neutrophils (Abs):	10 ⁹ /L	2.0-7.0	2.0-7.0
Neutrophils %:	%	40-80	40-80
Lymphocytes (Abs):	10 ⁹ /L	1.0-3.0	1.0-3.0
Lymphocytes % :	%	20-40	20-40
Monocytes (Abs) :	10 ⁹ /L	0.2-1.0	0.2-1.0
Monocytes %:	%	2-10	2-10
Eosinophils (Abs):	10 ⁹ /L	0.02-0.5	0.02-0.5
Eosinophils %:	%	1.0-6.0	1.0-6.0
Basophils (Abs):	10 ⁹ /L	0.02-0.1	0.02-0.1
Basophils %:	%	0.0-2.0	0.0-2.0
Reticulocytes (Abs):	10 ⁹ /L	50-100	50-100
Reticulocytes % :	%	0.5-2.5	0.5-2.5

For more information, please contact the MLP Haematology department.

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PAEDIATRIC REFERENCE RANGES

PARAMETER	UNITS	AGE	RANGE
RCC	10 ¹² /L	13-18Y (M/F)	4.10 – 5.40
Hb	g/dL	12-18Y (M/F)	12.0 – 14.0
HCT	L/L	12-18Y (M/F)	0.320 – 0.440
MCV	fL	12-18Y (M/F)	76 – 94
MCH	pg	12-18Y (M/F)	21 – 31
RDW-CV	%	14W-18Y (M/F)	12.0 – 16.5
WBC	10 ⁹ /L	3-18Y (M/F)	5.0 – 13.0
Neutrophils (Abs)	10 ⁹ /L	6-18Y (M/F)	2.0 – 6.0
Lymphocytes (Abs)	10 ⁹ /L	6-18Y (M/F)	3.5 – 6.5
Monocytes (Abs)	10 ⁹ /L	6-18Y (M/F)	0.7 – 1.5
Eosinophils (Abs)	10 ⁹ /L	6-18Y (M/F)	0.0 – 0.8
Basophils (Abs)	10 ⁹ /L	6-18Y (M/F)	Adult range

ERYTHROCYTE SEDIMENTATION RATE

	Units	Male	Female
ESR	mm/hr	0-10	0-20

COAGULATION REFERENCE RANGES

PT	sec	adult	10.1-11.7
INR	ratio	adult	0.94-1.10
APTT	sec	adult	23.4-31.3
Fib Clauss	g/L	adult	1.69-3.09

Reference: Dacie and Lewis, Practical Haematology 11th edition, 2012.

Exceptions to these are the MCHC and RDW-CV. These reference intervals are based on findings in a normal population of healthy adults and are in line with best current practice.

Paediatric reference ranges come from Sonic Laboratory in the UK.

Coagulation reference ranges were based on values obtained by running 50 samples from healthy plasma donors.

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