

Hematology Reference Ranges

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Approved by:

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(Approval on file)

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Parameter/ Unit	Range	Age	Parameter/ Unit	Range	Age	Parameter/ Unit	Range	Age	Parameter/ Unit	Range	Age
WBC x 10 ⁹ /L	9 - 30	0 - 30 d	MCV fL	85-126	0-30 d	Lymphocytes %	26-36	0-30 d	Basophils %	0.0-0.0	Up to 17 yr
	5 - 15	>30 d - 5 yr		70-86	>30 d-1 yr		50-60	>1 m-1 yr		0.0-1.0	>17 yr(adult)
	5 - 11	>5 yr – 17 y		75-87	>1 yr-5 yr		40-60	>1 yr-5 yr	Abs Basophils x 10 ⁹ /L	0.0-0.3	0-30 d
	4.5 - 11	>17 yr (adult)		77-95	>5 yr-12 yr		30-40	>5 yr-17 yr		0.0-0.2	>1 m-17 yr
RBC x10 ¹² /L	3.9 - 6.3	0 - 30 d		78-100	>12 yr-17yr		22-52	>17 yr(adult)	0.0-0.1	>17 yr(adult)	Mixed %
	3.7 – 5.3	>30 d – 1 yr	80-98	>17 yr (adult)	Abs Lymphocytes x 10 ⁹ /L	2-17	0-30 d	Abs Mixed x 10 ⁹ /L	3-23	All ages	
	3.9 - 5.3	>1 yr - 5 yr	28-40	0-30 d		4-10	>30 d-1 yr		0.1-1.5	All ages	
	4 - 5.2	>5 yr - 12 yr	23-31	>30 d-1 yr		3-8	>1 yr-5 yr				
	4.1 - 5.3	>12 yr -17yr	24-30	>1-5 yr		1.5-6.0	>5 yr-12 yr	Retic %	3-7	0-30 d	
	3.8 - 5.2	Female> 17yr	25-34	>5-12 yr		1.2-5.2	>12 yr-17 yr	0.5-1.5	>30 d-Adult		
	4.4 - 5.9	Male > 17 yr	25-35	>12-17 yr	1.3-3.2	>17 yr(adult)	Retic x 10 ⁹ /L	150-350	0-30 d		
HGB g/L	105 -215	0 – 30 d	26-34	>17 yr (adult)	Monocytes %	4.0-8.0	0-30 d		20-100	>30 d-adult	
	105 -135	<30 d – 1 yr	PLT X 10 ⁹ /L	100-500		0-30 d	1.0-5.0	>1 m-5 yr	ESR mm/h	0-10	Up to 17 yr
	115-135	>1 yr – 5 yr		150-500		>30 d-17 yr	1.0-6.0	>5 yr-12 yr		0-20	Female>17yr
	115-155	>5 yr – 12 yr		140-440		>17 yr (adult)	3.0-7.0	>12 yr-17 yr		0-15	Male >17yr
	120 – 160	>12 yr – 17yr	RDW %	11.4-14.5		Up to 17 yr	5.0-12.0	>17 yr(adult)	INR	0.9-1.1	All ages
	120-160	Female >17yr		11.4-14.4	>17 yr (adult)	Abs Monocytes x 10 ⁹ /L	0.2-2.7	0-30 d	Pt sec	10.1-12.8	All ages
	140-180	Male>17 yr	Neutrophil %	47-80	0-30 d		0.1-1.0	>1 m-5 yr	APT sec	24.9-39.3	All ages
HCT L/L	0.33-0.66	0-30 d		40-68	>1 m-1 yr		0.0-0.8	>5 yr-17 yr	Fibrinogen g/L	2.0-4.7	All ages
	0.33-0.39	>30 d-1 yr		40-78	>1 yr-5 yr		0.3-0.8	>17 yr(adult)			
	0.34-0.4	>1 yr-5 yr		51-82	>5 yr-17 yr	Eosinophils %	0.0-3.0	Up to 17 yr	D-Dimer ng/mL	≤ 230	All ages
	0.35-0.45	>5 yr-12 yr		34-68	>17 yr (adult)		0.0-5.0	>17 yr(adult)			
	0.36-0.49	>12 yr-17 yr	Abs Neutrophils x 10 ⁹ /L	1.0-9.0	0 d-5 yr	Abs Eosinophils x 10 ⁹ /L	0.7-1.1	0-30 d	Immature Reticulocyte Fraction %	2.3 – 13.4	Males
	0.35-0.47	Female>17 yr		1.5-8.5	>5 yr-17 yr		0.1-0.5	>1 m-5 yr		3.0 – 15.9	Females
	0.4-0.52	Male>17 yr		1.8-5.4	>17 yr (adult)		0.0-0.5	>5 yr-17 yr	Immature Platelet Fraction %	1.0-7.0	All ages
MCHC g/L	310-370	Up to 17 yr	Reticulated Hemoglobin pg	28.2-36.6	All ages		0.0-0.4	>17yr(adult)			
	320-365	>17 yr (adult)				MPV fL	9.4-12.4	All ages			