



**Hematology Reference Ranges**

<b>Document #</b>	<b>JA140-30-114</b>
<b>Version #</b>	<b>10</b>
<b>Source Document:</b>	
140-30-87/140-30-97/140-30-94/ 140-30-114/140-30-116/140-30-129	

**Approved by:**  
Cathy McMahon  
(Approval on file)

**Effective Date:**  
24-Mar-2022

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