



## Normal Lab Values

### Complete Blood Count (CBC)

Test Acronym	Meaning	Normal Range Values (Male)	Normal Range Values (Female)
WBC	Number of white blood cells	3.5-10.5 x 10 <sup>9</sup> /L	3.5-10.5 x 10 <sup>9</sup> /L
RBC	Number of red blood cells	4.7 to 6.1 million cells/mcL	4.2 to 5.4 million cells/mcL
HGB	Hemoglobin level	13.8-17.2 g/dL	12.1-15.1 g/dL
HCT	Hematocrit	40.7-50.3%	36.1-44.3%
MCV	Mean corpuscular volume	80-100 fL	80-100 fL
MCH	Mean corpuscular hemoglobin	27-31 pg	27-31 pg
MCHC	Mean corpuscular hemoglobin concentration	32-36 g/dL	32-36 g/dL
RDW	Red cell distribution width	11.8-15.6%	11.9-15.5%
PLT	Number of platelets	150-450 x 10 <sup>9</sup> /L	150-450 x 10 <sup>9</sup> /L

### White Blood Cell Differential (Diff)

Test	Meaning	Normal Range Values
Neuts.%	Percentage of Neutrophils	40% to 60%
Lymphs%	Percentage of Lymphocytes	20% to 40%
Monos.%	Percentage of Monocytes	2% to 8%
Eos.%.	Percentage of Eosinophils	1% to 4%
Baso.%	Percentage of Basophils	0.5% to 1%
Neuts.# (ANC)	Absolute Neutrophil Count	1.70-7.00 x 10 <sup>9</sup> /L
Lymphs# (ALC)	Absolute Lymphocyte Count	0.90-2.90 x 10 <sup>9</sup> /L
Monos#	Number of Monocytes	0.30-0.90 x 10 <sup>9</sup> /L
Eos#	Number of Eosinophils	0.05-0.50 x 10 <sup>9</sup> /L
Baso#	Number of Basophils	0.00-0.30 x 10 <sup>9</sup> /L

## Chemistry and Serum

Test	Normal Range Values
Sodium (Na)	135-147 mEq/L
Potassium (K)	3.5-5.5 mEq/L
Chloride (Cl)	98-106 mEq/L
Magnesium (Mg)	1.5-3.0 mEq/L
Bicarbonate (CO <sub>2</sub> )	23-29 mEq/L
Calcium (Ca)	8.5 to 10.2 mg/dL
SGPT or ALT	10 to 40 IU/L
LDH	105 - 333 IU/L
Alkaline Phosphatase (ALP)	44 to 147 IU/L
Bilirubin	<1.0 mg/dL total or 0.4 mg/dL direct
Creatinine (Cr)	1.0-2.0 mg/dL
Blood Urea Nitrogen (BUN)	6 - 20 mg/dL.
Albumin	3.5-5.5 g/dL
Globulin	1.5-3.5 g/dL
Total Protein	6.3-8.0 g/dL
Glucose	80-120 mg/dL
Beta-2 Microglobulin (B2M)	1.21-2.70 mcg/mL
Immunoglobulin A (IgA)	61-356 mg/dL
Immunoglobulin G (IgG)	767-1,590 mg/dL
Immunoglobulin M (IgM)	37-286 mg/dL