

CBC (Complete Blood Count):

One of the most commonly ordered laboratory tests, a blood count, also called a complete blood count (CBC), is a basic evaluation of the cells (red blood cells, white blood cells, and platelets) suspended in the liquid part of the blood (plasma). It involves determining the numbers, concentrations, and conditions of the different types of blood cells.

WBC	4.0 -13.0
RBC	8.0 -18.0
*HGB	8.0-12.0
PCV	22 - 38
MCV	16-25
MCH	5.2 - 8.0
MCHC	30 - 36
Platelets	300 - 600
Reticulocytes	0
Neutrophils % (segmented)	30 - 48
(band)	1.2 -7.2
Lymphocytes	rare
Monocytes	50 -70
Eosinophils	0 - 4
Basophils	1 - 8
Plasma Proteins	0 - 1
Fibrinogen	6 - 7.5
	100-400

* HGB= Hemoglobin

In conventional (USA) units:

AST (SGOT)	3 – 50 U/L
ALT (SGPT)	3 – 60 U/L
Total Bilirubin	0.2 – 1.5 mg/dL
Alkaline Phosphatase	20 – 125 U/L
Carbon Dioxide	21 – 33 mmol/L
Total Protein	6.0 – 8.3 g/dL
Albumin	3.5 – 4.9 g/dL
Total Cholesterol	< 200 mg/dL
LDH	105 – 333 IU/L
Creatinine*	0.5 - 1.4 mg/dL
Potassium	3.5 – 5.3 mmol/L
Calcium	8.5 – 10.4 mg/dL
Glucose	60 – 110 mg/dL
Sodium	135 - 146 mmol/L
Chloride	98-110 mmol/L
BUN	12.6 – 28 mg/dL
Bicarbonate	22-30 mEq/L

*not the same as CPK

PSA	0.0 – 4.0 ng/mL
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Lipid Profile

Lipid Profile - Normal Values

Test	Normal Values	
Serum Cholesterol	American Heart Association recommendation	Normal up to 200 mgs/dl
	Borderline	Up to 239 mgs/dl
	Elevated if > 240 mgs/ dl. on repeated values	
Serum Triglycerides	< 180 mgs/dl. normal. Values vary depending on diet, alcohol, metabolic state, exercise etc. Elevation of values to be considered only if repeated values are high.	
HDL Cholesterol	30-60 mgs/dl	
LDL Cholesterol	100-190 mgs/dl	Borderline
	> 190 mgs/dl	Risk
	Formula for calculating LDL Cholesterol is INVALID if TGL > 400 mgs/dl	
Total/HDL ratio	< 4	Normal
	4-6	Low Risk
	> 6	High Risk
LP(a)	< 75 ng/mL	
Cardio CRP	< 0.2 mg/L	
Homocysteine	< 11.4 MICROMol/L	