

Normal Adult Ranges for Laboratory Values

TEST	NORMAL ADULT RANGE
Arterial Blood Gas tests (ABGs)	
pH	7.35 - 7.45
pCO ₂	35 - 45
HCO ₃	22 - 26
pO ₂	80 - 95
Sodium	135 - 145 mEq/L
Potassium	3.5 - 5.3 mmol/L
Chloride	97 - 107 mmol/L
Calcium	8.2 - 10.2 mg/dL
Magnesium	1.6 - 2.6 mg/dL
Blood Urea Nitrogen (BUN)	8 - 21 mg/dL
Creatinine	Female: 0.5 - 1.1 mg/dL; Male: 0.6 - 1.2 mg/dL
Fasting Blood Sugar (FBS)	70 - 100 mg/dL
Glycosylated Hemoglobin (A1C)	4.0% - 5.9%
White Blood Cell count (WBC)	4,500 - 11,100
Red Blood Cell count (RBC)	Female: 3.91 - 5.11; Male: 5.21 - 5.81
Hemoglobin (Hgb)	Female: 11.7 - 15.5 g/dL; Male: 13.2 - 17.5 g/dL
Hematocrit (Hct)	Female: 33% - 45%; Male: 38% - 51%
Platelets	150,000 - 450,000
Triglycerides	< 150 mg/dL
Cholesterol	< 180 mg/dL
Low Density Lipoprotein (LDL)	< 100 mg/dL
High Density Lipoprotein (HDL)	> 60 mg/dL

Normal Adult Ranges for Vital Signs*

Temperature: 35.5° - 37.5° C

[Temperature] 95.9° - 99.5° F

Pulse: 60 - 100 bpm

Respirations: 12 - 20 bpm

SpO₂: > 95%

Blood pressure:

Systolic: 90 - 120 mm Hg

Diastolic: 60 - 80 mm Hg

Medication Administration Rights*

Right drug

Right dose

Right time

Right route

Right patient

Right documentation

*Yoost, B. L., & Crawford, L. R. (2016). *Fundamentals of Nursing: Active Learning for Collaborative Practice*. St. Louis, MO: Elsevier.