

Complete Blood Count (CBC)

Test	Result	Reference Range
Hemoglobin	9.4 g/dL	12.0 – 16.0 g/dL
Hematocrit	29.1%	36 – 46%
Red Blood Cell Count (RBC)	$4.10 \times 10^6/\mu\text{L}$	$4.2 - 5.4 \times 10^6/\mu\text{L}$
Mean Corpuscular Volume (MCV)	71 fL	80 – 96 fL
Mean Corpuscular Hb (MCH)	23 pg	27 – 33 pg
Mean Corpuscular Hb Conc. (MCHC)	30 g/dL	32 – 36 g/dL
Red Cell Distribution Width (RDW)	18.5%	11.5 – 14.5%
White Blood Cell Count (WBC)	$6.8 \times 10^3/\mu\text{L}$	$4.0 - 10.0 \times 10^3/\mu\text{L}$
Platelet Count	$420 \times 10^3/\mu\text{L}$	$150 - 400 \times 10^3/\mu\text{L}$

Iron Studies

Test	Result	Reference Range
Serum Iron	28 µg/dL	60 – 170 µg/dL
Total Iron Binding Capacity (TIBC)	445 µg/dL	250 – 400 µg/dL
Transferrin Saturation	6%	20 – 50%
Serum Ferritin	7 ng/mL	15 – 150 ng/mL

Reticulocyte and Related

Test	Result	Reference Range
Reticulocyte Count	0.6%	0.5 – 2.0%
Absolute Reticulocyte Count	$0.025 \times 10^6/\mu\text{L}$	$0.025 - 0.075 \times 10^6/\mu\text{L}$

Basic Metabolic Panel

Test	Result	Reference Range
Sodium	139 mmol/L	135 – 145 mmol/L
Potassium	4.1 mmol/L	3.5 – 5.1 mmol/L
Chloride	103 mmol/L	98 – 107 mmol/L
Bicarbonate	24 mmol/L	22 – 29 mmol/L
Blood Urea Nitrogen (BUN)	13 mg/dL	7 – 20 mg/dL
Creatinine	0.8 mg/dL	0.6 – 1.2 mg/dL
Glucose (fasting)	92 mg/dL	70 – 99 mg/dL

Liver Function Tests

Test	Result	Reference Range
AST (SGOT)	18 U/L	10 – 40 U/L
ALT (SGPT)	21 U/L	7 – 56 U/L
Alkaline Phosphatase	87 U/L	40 – 129 U/L
Total Bilirubin	0.7 mg/dL	0.2 – 1.2 mg/dL
Albumin	4.2 g/dL	3.5 – 5.0 g/dL
Total Protein	7.0 g/dL	6.0 – 8.3 g/dL

Vitamin Levels

Test	Result	Reference Range
Vitamin B12	410 pg/mL	200 – 900 pg/mL

Serum 9.8 ng/mL > 4.0 ng/mL
Folate

Inflammation Markers (optional)

Test	Result	Reference Range
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C-Reactive Protein (CRP) 2.1 mg/L < 5.0 mg/L