

# Laboratory Report – Comprehensive Blood Panel

## Patient Information

Name: Alexander "Alex" Parker  
MRN: 12345678  
DOB: 1983-08-14 (Age 42)  
Sex: Male

## Specimen Details

Specimen ID: LAB-2025-05-03-01  
Collection Date/Time: 2025-05-03 09:15 AM  
Received Date/Time: 2025-05-03 09:42 AM  
Specimen Type: Venous blood

## Complete Blood Count (CBC)

WBC:  $6.1 \times 10^3/\mu\text{L}$  (Ref: 3.5 – 10.5)  
RBC:  $4.85 \times 10^6/\mu\text{L}$  (Ref: 4.20 – 5.90)  
Hemoglobin: 15.2 g/dL (Ref: 13.0 – 17.0)  
Hematocrit: 45.0 % (Ref: 38 – 50)  
MCV: 93 fL (Ref: 80 – 100)  
MCH: 31.4 pg (Ref: 27 – 34)  
MCHC: 34 g/dL (Ref: 32 – 36)  
Platelets:  $250 \times 10^3/\mu\text{L}$  (Ref: 150 – 400)

## Comprehensive Metabolic Panel (CMP)

Glucose: 92 mg/dL (Ref: 70 – 99)  
BUN: 14 mg/dL (Ref: 7 – 20)  
Creatinine: 0.90 mg/dL (Ref: 0.6 – 1.3)  
Sodium: 140 mmol/L (Ref: 135 – 145)  
Potassium: 4.2 mmol/L (Ref: 3.5 – 5.1)  
Chloride: 102 mmol/L (Ref: 98 – 107)  
CO<sub>2</sub>: 26 mmol/L (Ref: 22 – 32)  
Calcium: 9.5 mg/dL (Ref: 8.6 – 10.2)  
Total Protein: 7.2 g/dL (Ref: 6.0 – 8.3)  
Albumin: 4.4 g/dL (Ref: 3.4 – 5.4)  
AST (SGOT): 22 U/L (Ref: 10 – 40)  
ALT (SGPT): 25 U/L (Ref: 10 – 55)

## Lipid Panel

Total Cholesterol: 178 mg/dL (Ref: < 200)  
HDL: 58 mg/dL (Ref: ≥ 40)  
LDL (calc): 100 mg/dL (Ref: < 100)  
Triglycerides: 120 mg/dL (Ref: < 150)

Laboratory Director: Dr. Aisha Patel, PhD, DABCC  
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