

# COMPREHENSIVE METABOLIC PANEL & COMPLETE BLOOD COUNT

**Patient:** John Doe  
**Date:** 2024-01-15  
**Lab ID:** LAB123456

## HEMATOLOGY:

Hemoglobin: 14.0 g/dL (Normal: 13.5-18.0)  
RBC Count: 6.52 Million/cmm (Normal: 3.5-5.0)  
Hematocrit (PCV): 56.3% (Normal: 40-65%)  
MCV: 86.5 fL (Normal: 76-96)  
MCH: 24.5 pg (Normal: 27-32)  
MCHC: 28.4 g% (Normal: 30-35)

## WHITE BLOOD CELLS:

Total WBC Count: 8,200 cells/cmm (Normal: 4,500-11,000)  
Neutrophils: 78.9% (Normal: 40-60%)  
Lymphocytes: 13.9% (Normal: 20-40%)  
Eosinophils: 7.2% (Normal: 1-4%)  
Monocytes: 0% (Normal: 2-8%)  
Basophils: 0% (Normal: 0.5-1%)

## PLATELETS:

Platelet Count: 1.88 Lakhs/cmm (Normal: 1.5-4.5)

## CHEMISTRY PANEL:

Blood Sugar (Fasting): 110 mg/dL (Normal: 70-110)  
Urea: 24 mg/dL (Normal: 10-40)  
Creatinine: 0.7 mg/dL (Normal: 0.9-1.4)  
Uric Acid: 5.4 mg/dL (Normal: 3.5-7.2)  
Calcium: 8.9 mg/dL (Normal: 8.7-11.0)

## LIPID PROFILE:

Total Cholesterol: 180 mg/dL (Desirable: <200)  
Triglycerides: 152 mg/dL (Normal: <150)  
HDL Cholesterol: 45 mg/dL (Normal: 45-60)  
LDL Cholesterol: 104.6 mg/dL (Normal: 70-165)  
VLDL: 30.4 mg/dL (Normal: 15-30)  
Total Cholesterol/HDL Ratio: 4 (Desirable: <4.5)