

# Comprehensive Blood Report

**Name:** John Doe  
**Age/Sex:** 19 / Male  
**Date:** 04-Nov-2025

## 1. Complete Blood Count (CBC)

Test	Result	Reference Range	Status
Hemoglobin (Hb)	12.4 g/dL	13.0 - 17.0 g/dL	⚠️ Low (Mild Anemia)
RBC Count	4.2 mill/ $\mu$ L	4.5 - 5.9	⚠️ Slightly Low
WBC Count	7,200 / $\mu$ L	4,000 - 11,000	✓ Normal
Platelet Count	250,000 / $\mu$ L	150,000 - 400,000	✓ Normal
Hematocrit (HCT)	38%	40 - 50%	⚠️ Slightly Low

## 2. Lipid Profile

Test	Result	Reference Range	Status
Total Cholesterol	220 mg/dL	< 200	⚠️ High
LDL (Bad Cholesterol)	145 mg/dL	< 130	⚠️ High
HDL (Good Cholesterol)	38 mg/dL	> 40	⚠️ Low
Triglycerides	175 mg/dL	< 150	⚠️ Slightly High
VLDL	30 mg/dL	5 - 35	✓ Normal

## 3. Blood Sugar Levels

Test	Result	Reference Range	Status
Fasting Blood Sugar	108 mg/dL	70 - 100	⚠️ Borderline High
Postprandial (After Meal)	128 mg/dL	< 140	✓ Normal
HbA1c	5.8%	< 5.6%	⚠️ Prediabetes Range

## 4. Liver Function Test (LFT)

Test	Result	Reference Range	Status
SGPT (ALT)	34 U/L	10 - 40	<input checked="" type="checkbox"/> Normal
SGOT (AST)	28 U/L	10 - 40	<input checked="" type="checkbox"/> Normal
Alkaline Phosphatase	95 U/L	44 - 147	<input checked="" type="checkbox"/> Normal
Total Bilirubin	0.9 mg/dL	0.2 - 1.2	<input checked="" type="checkbox"/> Normal

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## Δ 5. Kidney Function Test (KFT)

Test	Result	Reference Range	Status
Serum Creatinine	0.9 mg/dL	0.6 - 1.3	<input checked="" type="checkbox"/> Normal
Blood Urea	27 mg/dL	15 - 40	<input checked="" type="checkbox"/> Normal
Uric Acid	7.3 mg/dL	3.4 - 7.0	<input checked="" type="checkbox"/> Slightly High

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## 6. Electrolytes

Test	Result	Reference Range	Status
Sodium (Na <sup>+</sup> )	139 mmol/L	135 - 145	<input checked="" type="checkbox"/> Normal
Potassium (K <sup>+</sup> )	4.2 mmol/L	3.5 - 5.1	<input checked="" type="checkbox"/> Normal
Chloride (Cl <sup>-</sup> )	102 mmol/L	98 - 107	<input checked="" type="checkbox"/> Normal