

CARDIOCARE MEDICAL CENTER

Department of Clinical Pathology

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COMPREHENSIVE BLOOD INVESTIGATION REPORT

Patient Name: Rajesh Kumar

Report Date: 15-Dec-2025

Age/Gender: 58 years / Male

Report ID: BLR-2024-4521

Referred By: Dr. Ananya Sharma

Collection Time: 08:30 AM

Clinical History: Acute Chest Pain; Suspected Anterior Myocardial Infarction

Sample Type: Venous Blood

CARDIAC BIOMARKERS (CRITICAL)

Test	Result	Unit	Reference Range	Status
Cardiac Troponin I (High Sensitivity)	52.480	ng/mL	< 0.04	CRITICAL HIGH
CK-MB	145.0	U/L	< 25	HIGH
NT-proBNP	1250	pg/mL	< 125	HIGH
BNP	890	pg/mL	< 100	HIGH
Myoglobin	450	ng/mL	< 70	HIGH
hs-CRP	12.4	mg/L	< 3.0	HIGH

COMPLETE BLOOD COUNT (CBC)

Test	Result	Unit	Reference Range
Hemoglobin	13.2	g/dL	13.5 - 17.5
WBC Count	14,500	/uL	4,000 - 11,000
Platelet Count	285,000	/uL	150,000 - 400,000

ELECTROLYTES & RENAL FUNCTION

Test	Result	Unit	Reference Range
Potassium (K+)	4.2	mEq/L	3.5 - 5.0
Sodium (Na+)	138	mEq/L	136 - 145
Creatinine	1.1	mg/dL	0.7 - 1.3

Interpretation:

Biomarker profile consistent with **Acute Myocardial Infarction (Anterolateral STEMI)**.

Markedly elevated High-Sensitivity Troponin I (52.48 ng/mL) and CK-MB indicate significant myocardial necrosis.

Elevated WBC count suggests acute stress response/inflammation.

Immediate cardiological intervention (Angiography/PCI) is recommended.

Lab Technician: NABL Certified Lab

Consultant Pathologist: Dr. Priya Mehta, MD

Report Generated: 15-Dec-2025 14:01 | This is a computer-generated report.