# SamLab Diagnostics

Accurate · Reliable · Trusted

Haematology · Biochemistry · Clinical Pathology

NABL 12345 | ISO 9001:2015

## Rajesh Sharma

| Patient ID | Age / Sex | Referred By | Mobile | Report Printed On |
|---|---|---|---|---|
| SAM250531001 | 42 Y / Male | Dr. Sharma | +91 12345 67890 | 31-May-2026 09:05 AM |

INV-0001

| Registered On | Collected On | Received On |
|---|---|---|
| 31-05-2026 08:15 | 31-05-2026 07:40 | 31-05-2026 08:05 |

## HAEMATOLOGY — Complete Blood Count (CBC)

Instrument: Sysmex XN-550, Manual

| PARAMETER | RESULT | UNIT | REFERENCE |
|---|---|---|---|
| **Haemoglobin** | ▼ **11.8** | g/dL | 13.0 - 17.0 |

RESULT HISTORY

| 14-05-26 | 14-04-26 | 14-03-26 | 14-02-26 | 14-01-26 | 14-12-25 |
|---|---|---|---|---|---|
| **12.0 g/dL** | **12.2 g/dL** | **12.4 g/dL** | **12.6 g/dL** | **12.9 g/dL** | **13.1 g/dL** |

| | | | |
|---|---|---|---|
| **RBC Count** | ▼ **4.42** | 10^6/µL | 4.5 - 5.5 |
| **PCV (Haematocrit)** | ▼ **38.4** | % | 40 - 50 |
| MCV | **86.9** | fL | 83 - 101 |
| **MCH** | ▼ **26.7** | pg | 27 - 32 |
| **MCHC** | ▼ **30.7** | g/dL | 31.5 - 34.5 |
| WBC Count | **7.20** | 10^3/µL | 4.0 - 11.0 |
| **DIFFERENTIAL COUNT (DLC)** | | | |
| Neutrophils | **57.2** | % | 40 - 75 |
| Lymphocytes | **38.1** | % | 20 - 40 |
| Monocytes | **3.4** | % | 2 - 10 |
| Eosinophils | **1.1** | % | 1 - 6 |
| Basophils | **0.2** | % | 0 - 2 |
| **Platelet Count** | ▲ **4.55** | 10^5/µL | 1.50 - 4.50 |
| **ESR** | ▲ **28** | mm/hr | 0 - 15 |

**RECOMMENDATION**

**Haemoglobin:** *Repeat after four weeks of supplementation.*

**NOTES : Lymphocytosis, RBC Abnormal distribution, Anemia**

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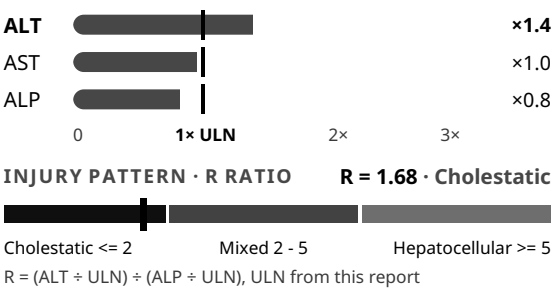
INV-0001

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## BIOCHEMISTRY — Liver Function Test (LFT)

Instrument: Erba XL-640

| PARAMETER | RESULT | UNIT | REFERENCE |
|---|---|---|---|
| **Bilirubin (Total)** | ▲ **1.42** | mg/dL | 0.20 - 1.20 |
| Bilirubin (Direct) | **0.38** | mg/dL | 0.00 - 0.40 |
| **Bilirubin (Indirect)** | ▲ **1.04** | mg/dL | 0.20 - 0.80 |
| **SGPT (ALT)** | ▲ **68** | U/L | 10 - 49 |
| SGOT (AST) | **44** | U/L | 10 - 46 |
| Alkaline Phosphatase | **96** | U/L | 46 - 116 |
| Total Protein | **7.10** | g/dL | 6.30 - 8.20 |
| Albumin | **4.20** | g/dL | 3.50 - 5.00 |
| Globulin | **2.90** | g/dL | 2.00 - 3.50 |
| A / G Ratio | **1.45** | | 1.00 - 2.10 |




R = (ALT ÷ ULN) ÷ (ALP ÷ ULN), ULN from this report

## CLINICAL PATHOLOGY — Urine Routine Examination

Instrument: Manual

| PARAMETER | RESULT | UNIT | REFERENCE |
|---|---|---|---|
| Colour | **Pale Yellow** | | Pale Yellow |
| Appearance | **Clear** | | Clear |
| pH | **6.0** | | 5.0 - 8.0 |
| Specific Gravity | **1.015** | | 1.005 - 1.030 |
| Protein | **Absent** | | Absent |
| Glucose | **Absent** | mg/dL | Absent |
| Pus Cells (WBC) | **2 - 3** | /HPF | 0 - 5 |
| Epithelial Cells | **1 - 2** | /HPF | 0 - 5 |
| RBCs | **Nil** | /HPF | 0 - 2 |

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### GENERAL INFORMATION

6 of 33 parameter(s) are outside the reference range. Each one is commented under its own test above. On this report: Haemoglobin is below the usual range; Platelet Count, ESR, Bilirubin (Total) and SGPT (ALT) are above it.

**Complete Blood Count (CBC):** A routine investigation, reported against the stated reference interval for this laboratory. Read it with the clinical picture rather than on its own.

**Liver Function Test (LFT):** A routine investigation, reported against the stated reference interval for this laboratory. Read it with the clinical picture rather than on its own.

**Urine Routine Examination:** A routine investigation, reported against the stated reference interval for this laboratory. Read it with the clinical picture rather than on its own.

*Laboratory guidance only — please read with the clinical picture. Clinical correlation is advised.*

**RESULT SUMMARY :** 6 of 33 parameters are outside the reference range — please review the highlighted results.

**Entered By**

**Suresh Kumar**
DMLT
Medical Lab Technologist

**Verified By**

**Dr. Anjali Verma**
MD (Pathology)
Consultant Pathologist
Reg. No.: MCI-12345

*--- End of Report ---*

**Disclaimer:**
Results relate only to the sample tested.

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