SamLab Diagnostics

Accurate · Reliable · Trusted

Haematology · Biochemistry · Clinical Pathology

ISO 15189 ML-2291 | 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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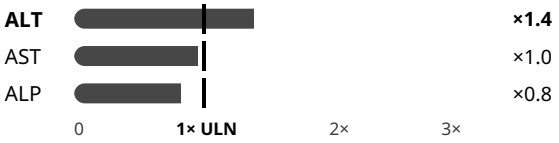
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BIOCHEMISTRY — Liver Function Test (LFT)

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

ENZYMES × UPPER LIMIT OF NORMAL



INJURY PATTERN · R RATIO — **R = 1.68 · Cholestatic**



Cholestatic <= 2 | Mixed 2 - 5 | Hepatocellular >= 5

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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