



Barcode No	: E45089098	Lab No	: KAN2608020058
Patient Name	: Mrs.NAMRATA	Reg Date	: 02/Aug/2026 11:45AM
Age/Gender	: 32 Y 0 M 0 D /F	Sample Coll. Date	: 02/Aug/2026 10:54AM
Referred By	: Dr.MONIKA SINGH	Sample Rec.Date	: 02/Aug/2026 02:07PM
Ref. Lab/Hosp	:	Report Date	: 02/Aug/2026 03:26PM
Client Code/Name	:AP038113 JD CC		

DEPARTMENT OF HAEMATOLOGY

Test Name	Result	Unit	Bio. Ref. Range
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Complete Blood Count (CBC)

Sample Type : Whole Blood EDTA

Haemoglobin	11.4	gm/dl	12.0-15.0
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Cyanide free

TLC (Total Leucocyte Count)	11.66	th/cumm	4.0-10.0
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Coulter Principle

DIFFERENTIAL LEUCOCYTE COUNT

Polymorphs	73.1	%	40-80
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Flowcytometry

Lymphocytes	20.9	%	20-40
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Flowcytometry

Eosinophils	1.1	%	1-6
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Flowcytometry

Monocytes	4.8	%	2-10
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Flowcytometry

Basophils	0.1	%	0-1
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Flowcytometry

Absolute Neutrophil Count	8523.46	/cumm	2000-7000
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Flowcytometry

Absolute Lymphocyte Count.	2436.94	/cumm	1000 - 3000
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Flowcytometry

Absolute Eosinophil Count	128.26	/cumm	20-500
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Flowcytometry

Absolute Monocyte Count	559.68	/cumm	20-1000
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Flow cytometry

Absolute Basophils Count	11.66	/cumm	20-100
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Flowcytometry

RBC	3.69	millions/cmm	3.8-4.8
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Impedance

HCT	36.7	%	36-46
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Calculated

MCV	99.46	fl	83-101
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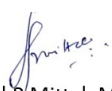
Calculated

MCH	30.89	pg	27-32
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Calculated

MCHC	31.06	g/dl	31.5-34.5
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Calculated


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Dr Prashant Goyal
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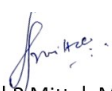
DEPARTMENT OF HAEMATOLOGY

Test Name	Result	Unit	Bio. Ref. Range
Platelet Count	249	thou/ μ L	150-410
Impedance MPV	13.8	fl	7.0-12.0
Calculated RDW- CV	15.3	%	11.6-14.0
Flowcytometry RDW- SD	52.9	fl	35-56
Flowcytometry PCT	0.28	%	0.10-0.28
Flow Cytometry PDW	16.6	fl	9.0-17.0
Mentzer Index	26.95	Index	
Calculated RDWI	412.4	Index	
Calculated Green & King Index	132.76	Index	
Calculated Neutrophil Lymphocyte Ratio (NLR)	3.50	Ratio	
Calculated Lymphocyte Monocyte Ratio (LMR)	4.35	Ratio	
Calculated Platelet Lymphocyte Ratio (PLR)	102.18	Ratio	
Calculated			

The **Mentzer Index**, **RDWI** (Red Cell Distribution Width Index), and **Green & King Index** are used to differentiate between Iron Deficiency Anemia (IDA) and Beta-thalassemia trait (BTT). Key cut-off values are typically: Mentzer Index <13 (BTT) or >13 (IDA), RDWI <220 (BTT) or >220 (IDA), and Green & King <72 (BTT). These indices are screening tools based on Complete Blood Count (CBC) results, not definitive diagnostic tests. They are designed to help differentiate between microcytic anemia (low MCV).

NLR (<3 normal, >5 significant inflammation) reflects systemic inflammation and stress; **LMR** (>4 normal, <3 suggests poor prognosis/inflammation) indicates immune status; and **PLR** (<150 normal, >300 high inflammation) reflects inflammatory and prothrombotic state—these are **non-specific CBC-derived markers** and should always be interpreted in clinical context.

Kindly correlate clinically. If the findings do not match the clinical picture, a repeat test with a fresh sample is recommended to rule out any pre-analytical error. Reference ranges are as per Practical Haematology by Dacie & Lewis, 12th edition (2012).


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Referred By	: Dr.MONIKA SINGH	Sample Rec.Date	: 02/Aug/2026 02:03PM
Ref. Lab/Hosp	:	Report Date	: 02/Aug/2026 04:25PM
Client Code/Name	:AP038113 JD CC		

DEPARTMENT OF .IMMUNO BIOCHEMISTRY-1

Test Name	Result	Unit	Bio. Ref. Range
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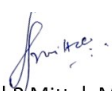
Liver Panel (LFT)

Sample Type : Serum

Total Bilirubin. DCA	0.46	mg/dl	0.0-1.2
Conjugated Bilirubin DCA	0.29	mg/dl	0.0-0.3
Unconjugated Bilirubin Calculated	0.17	mg/dL	0.2-0.7
SGOT (AST) Optimized UV test with PYP	123	IU/L	0 - 32
SGPT (ALT) Optimized UV test with PYP	205	IU/L	0-33
Alk.Phosphatase IFCC	167	IU/L	30-104
T.Protein Biuret	7.17	gm/dl	6.4-8.3
Sr. Albumin Bromocresol Green	3.58	gm/dl	3.5-5.2
Globulin Calculated	3.59	gm/dl	2.5-3.8
A/G Ratio Calculated	1	Ratio	1.30 - 1.70
Gamma G.T. Kinetic with IFCC	30.0	IU/L	<40
SGOT/SGPT Ratio Calculated	0.6	Ratio	0-5

Comment:

A liver panel (Liver function test) or one or more of its component tests may be used to help diagnose liver disease if a person has symptoms that indicate possible liver dysfunction. If a person has a known condition or liver disease, testing may be performed at intervals to monitor liver status and to evaluate the effectiveness of any treatments.


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Ref. Lab/Hosp	:	Report Date	: 03/Aug/2026 11:43AM
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DEPARTMENT OF .IMMUNO BIOCHEMISTRY-1

Test Name	Result	Unit	Bio. Ref. Range
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Bile Acids

Sample Type : Serum

Bile Acids	9.08	umol/L	<10.0
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Enzymatic cycling

Comments:

Bile acids are a type of steroid that is produced in the liver from cholesterol. Total bile acids are metabolised in the liver and can serve as a marker for normal liver function. Increases in serum bile acids are seen in patients with Acute Hepatitis, Chronic Hepatitis, Liver Sclerosis, Liver Cancer, and Intrahepatic Cholestasis of Pregnancy (ICP). ICP can lead to increased risk of fetal distress, preterm delivery and even stillbirth.

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