

**Patient Name :** MR. KUMAR PRATHI AJAY

**Age / Gender :** 32 years / Male

**Patient ID :** 25556

**Source :** MEDI WHEEL

**Referral :** SELF

**Collection Time :** Aug 12, 2023, 09:45 a.m.

**Reporting Time :** Aug 12, 2023, 11:30 a.m.

**Sample ID :**



R232240006

Test Description	Value(s)	Reference Range	Unit
<b>CBC; Complete Blood Count</b>			
Hemoglobin (Hb)* Method : Cynmeth Photometric Measurement	15.4	13.5 - 18.0	gm/dL
Erythrocyte (RBC) Count* Method : Electrical Impedence	5.01	4.7 - 6.0	mil/cu.mm
Packed Cell Volume (PCV)* Method : Calculated	<b>41.4</b>	42 - 52	%
Mean Cell Volume (MCV)* Method : Electrical Impedence	83	78 - 100	fL
Mean Cell Haemoglobin (MCH)* Method : Calculated	30.7	27 - 31	pg
Mean Corpuscular Hb Concn. (MCHC)* Method : Calculated	<b>37.2</b>	32 - 36	gm/dL
Red Cell Distribution Width (RDW)* Method : Electrical Impedence	13.2	11.5 - 14.0	%
Total Leucocytes (WBC) Count* Method : Electrical Impedence	<b>12100</b>	4000-10000	cell/cu.mm
Neutrophils* Method : VCSn Technology	62	40 - 80	%
Lymphocytes* Method : VCSn Technology	33	20 - 40	%
Monocytes* Method : VCSn Technology	4	2 - 10	%
Eosinophils* Method : VCSn Technology	1	1 - 6	%
Basophils	0	0 - 1	
Platelet Count* Method : Electrical Impedence	3.03	1.5 - 4.5	Lakhs/cu.mm
Mean Platelet Volume (MPV)* Method : Electrical Impedence	8.2	7.2 - 11.7	fL

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Test Description	Value(s)	Reference Range	Unit
PCT*	0.248	0.2 - 0.5	%
Method : Calculated			
PDW*	14.5	9.0 - 17.0	%
Method : Calculated			

Tests done on Automated Three Part Cell Counter. (WBC, RBC, Platelet count by impedance method, colorimetric method for Hemoglobin, WBC differential by flow cytometry using laser technology other parameters are calculated). All Abnormal Haemograms are reviewed confirmed microscopically.

### Esr, Erythrocyte Sedimentation Rate

<b>Esr, Erythrocyte Sedimentation Rate (Westergren)</b>	<b>45</b>	0-10	mm/hr
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#### **Interpretation:**

- It indicates presence and intensity of an inflammatory process. It does not diagnose a specific disease. Changes in the ESR are more significant than the abnormal results of a single test.
- It is a prognostic test and used to monitor the course or response to treatment of diseases like tuberculosis, bacterial endocarditis, acute rheumatic fever, rheumatoid arthritis, SLE, Hodgkins disease, temporal arteritis and polymyalgia rheumatica.
- It is also increased in pregnancy, multiple myeloma, menstruation, and hypothyroidism.

### Urine Routine

Colour*	Yellow	
Transparency (Appearance)*	Clear	Clear
Reaction (pH)*	6.0	4.5 - 8
Specific Gravity*	1.030	1.010 - 1.030

### Chemical Examination (Automated Dipstick Method) Urine

Urine Glucose*	Negative	Negative
Urine Protein*	<b>Positive (++)</b>	Negative
Urine Ketone*	Negative	Negative
Blood*	Negative	Negative

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Bilirubin*	Negative	Negative	
Nitrite*	<b>Positive (Traces)</b>	Negative	
Leucocytes*	<b>Positive (+)</b>	Negative	
Urobilinogen*	Normal	Normal	
<b>Microscopic Examination</b> <small>Urine</small>			
Pus Cells (WBCs)*	<b>5-6</b>	0 - 5	/hpf
Epithelial Cells*	1-2	0 - 4	/hpf
Red blood Cells*	Absent	Absent	/hpf
Crystals*	Absent	Absent	
Cast*	Absent	Absent	
Bacteria*	Absent	Absent	

**Stool Complete Exam**

Colour	Yellow
Consistency	Seme Solid
Blood	Absent
Mucus	Absent
Parasites	Absent
pH	8.0
Pus Cells	1-2
Red blood cells	Nil
Macrophages	Nil
Epithelial cells	Nil

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Test Description	Value(s)	Reference Range	Unit
Cyst		Absent	
Ova		-Absent	
Organisms		Not Seen	
Undigested Ingrtedients		Not Seen	

**Blood Group & Rh Type**

**Blood Grouping & Rh Typing**

"AB" POSITIVE (+VE)

Method : Forward and Reverse By Tube Method

**Methodology**

This is done by forward and reverse grouping by tube Agglutination method.

**Interpretation**

Newborn baby does not produce ABO antibodies until 3 to 6 months of age. So the blood group of the Newborn baby is done by ABO antigen grouping (forward grouping) only, antibody grouping (reverse grouping) is not required. Confirmation of the New-born's blood group is indicated when the A and B antigen expression and the isoagglutinins are fully developed (2-4 years).

**Fasting - Glucose**

**Glucose Fasting\***

100.68

Normal: 70-100

mg/dL

Method : Plasma, Hexokinase

Impaired Fasting Glucose (IFG):

101-125

Diabetes Mellitus: >125

**Post Prandial Blood Sugar**

**Blood Glucose-Post Prandial\***

98.25

80-140

mg/dL

Method : Plasma - P, Hexokinase

**Fasting Urine Sugar**

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Test Description	Value(s)	Reference Range	Unit
Fasting Urine Glucose	NEGATIVE	Negative	

### Post Prandial Urine Sugar

#### HBA1C (Glycosylated Haemoglobin)

Glyco Hb (HbA1C) Method : EDTA Whole blood,HPLC	5.7	Non-Diabetic: <=5.9 Pre Diabetic:6.0-6.4 Diabetic: >=6.5	%
Estimated Average Glucose :	116.89		mg/dL

#### Interpretations

- HbA1C has been endorsed by clinical groups and American Diabetes Association guidelines 2017 for diagnosing diabetes using a cut off point of 6.5%
- Low glycated haemoglobin in a non diabetic individual are often associated with systemic inflammatory diseases, chronic anaemia (especially severe iron deficiency and haemolytic), chronic renal failure and liver diseases. Clinical correlation suggested.
- In known diabetic patients, following values can be considered as a tool for monitoring the glycemic control.  
Excellent control-6-7 %  
Fair to Good control – 7-8 %  
Unsatisfactory control – 8 to 10 %  
Poor Control – More than 10 %

#### Thyroid Function Test ( TFT)

TRI-IODO THYRONINE (T3) Method : CLIA	1.58	0.60 - 1.81	ng/mL
TOTAL THYROXINE (T4) Method : CLIA	6.58	4.2 - 12.0	ug/dL

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Test Description	Value(s)	Reference Range	Unit
THYROID STIMULATING HORMONE (TSH) Method : CLIA	1.979	0.46 – 8.10 : 1 Yrs – 5 Yrs 0.36 – 5.80 : 6 Yrs – 18 Yrs 0.35 – 5.50 : >18 Yrs Pregnancy Ranges 1st Trimester :0.1 - 2.5 2nd Trimester :0.2 - 3.0 3rd Trimester:0.3 - 3.0	uIU/mL

**Comments:**

IF NOT ON DRUGS SUGGESTED FT3 & FT4 ESTIMATION

**Please correlate with clinical conditions.**

**Note :** Serum T3, T4 and TSH form the three components of thyroid screening panel, useful in diagnosing various disorders of the thyroid gland. Primary Hypothyroidism is accompanied by depressed serum T3 and T4 values and elevated serum TSH levels. Although elevated TSH levels are nearly always indicative of Primary Hypothyroidism, rarely they can from TSH secreting pituitary tumors (Secondary hyperthyroidism)To confirm diagnosis - evaluate FT3 and FT4.

**Lipid Profile**

Cholesterol-Total Method : Serum, Cholesterol oxidase esterase, peroxidase	<b>216.91</b>	Desirable: <= 200 Borderline High: 201-239 High: > 239 Ref: The National Cholesterol Education Program (NCEP) Adult Treatment Panel III Report.	mg/dL
Triglycerides Method : Serum, Enzymatic, endpoint	114.08	Normal: < 150 Borderline High: 150-199 High: 200-499 Very High: >= 500	mg/dL

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Cholesterol-HDL Direct Method : Serum, Direct measure-PEG	34.41	<40: Low 40 - 60: Optimal > 60: Desirable	mg/dL
LDL Cholesterol Method : Serum	159.68	Optimal: < 100 Near optimal/above optimal: 100-129 Borderline high: 130-159 High: 160-189 Very High: >= 190	mg/dL
Non - HDL Cholesterol, Serum Method : calculated	182.50	Desirable: < 130 mg/dL Borderline High: 130-159mg/dL High: 160-189 mg/dL Very High: > or = 190 mg/dL	mg/dL
VLDL Cholesterol Method : calculated	22.82	6 - 38	mg/dL
CHOL/HDL RATIO Method : calculated	6.30	3.5 - 5.0	ratio
LDL/HDL RATIO Method : calculated	4.64	Desirable / low risk - 0.5 -3.0 Low/ Moderate risk - 3.0- 6.0 Elevated / High risk - > 6.0	ratio

**Note:** 8-10 hours fasting sample is required.

### KIDNEY FUNCTION TEST

Urea * Method : Serum	22.12	15- 50	mg/dL
Blood Urea Nitrogen-BUN* Method : Serum, Urease	10.34	7 - 24	mg/dL
Uric Acid* Method : Serum, Uricase/POD	9.42	3.5 - 7.2	mg/dL

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Test Description	Value(s)	Reference Range	Unit
Creatinine* Method : Serum, Jaffe IDMS	0.77	0.7 - 1.3	mg/dL
<b>Liver Funtion Test (LFT) with GGT</b>			
Bilirubin - Total Method : Serum, Jendrassik Grof	0.95	0.3 - 1.2	mg/dL
Bilirubin - Direct Method : Serum, Diazotization	0.35	Adults and Children: < 0.2	mg/dL
Bilirubin - Indirect Method : Serum, Calculated	0.60	0.1 - 1.0	mg/dL
SGOT Method : Serum, UV with P5P, IFCC 37 degree	20.8	< 50	U/L
SGPT Method : Serum, UV with P5P, IFCC 37 degree	15.90	< 50	U/L
Alkaline Phosphatase-ALP Method : Serum, PNPP, AMP Buffer, IFCC 37 degree	78	30-120	U/L
Total Protein Method : Serum, Biuret, reagent blank end point	7.80	6.6 - 8.3	g/dL
Albumin Method : Serum, Bromcresol purple	4.25	Adults: 3.5 - 5.2	g/dL
Globulin Method : Calculated	3.55	1.8 - 3.6	g/dL
A/G Ratio Method : Calculated	1.20	1.2 - 2.2	ratio

**\*\*END OF REPORT\*\***

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