



Patient Name : Mr. Krish Thukral Centre : 4759 - Curis Healthtech Pvt. Ltd

Age/Gender : 19 Y 0 M 0 D /M OP/IP No/UHID ://

 MaxID/Lab ID
 : ML05161789/4041102401093
 Collection Date/Time : 28/Oct/2024 12:18PM

 Ref Doctor
 : Dr.Vikas Thukral
 Reporting Date/Time : 28/Oct/2024 06:23PM

Hematology

Wellwise Essential Profile

## **CBC (Complete Blood Count), Whole Blood EDTA**

Date	28/Oct/2024 12:18PM	Unit	Bio Ref Interval
Haemoglobin	13.5	g/dl	13.0 - 17.0
Packed Cell, Volume Calculated	42.7	%	40-50
Total Leucocyte Count (TLC) Electrical Impedance	9.0	10~9/L	4.0-10.0
RBC Count Electrical Impedance	7.00	10~12/L	4.5-5.5
MCV Electrical Impedance	61.0	fL	83-101
MCH Calculated	19.3	pg	27-32
MCHC Calculated	31.7	g/dl	31.5-34.5
Platelet Count Electrical Impedance	258	10~9/L	150-410
MPV Calculated	8.6	fl	7.8-11.2
RDW Calculated	17.6	%	11.5-14.5
Differential Cell Count VCS / Light Microscopy			
Neutrophils	58.8	%	40-80
Lymphocytes	29.7	%	20-40
Monocytes	7.7	%	2-10
Eosinophils	3.0	%	1-6
Basophils	0.8	%	0-2
Absolute Leukocyte Count Calculated from TLC & DLC			
Absolute Neutrophil Count	5.29	10~9/L	2.0-7.0
Absolute Lymphocyte Count	2.7	10~9/L	1.0-3.0
Absolute Monocyte Count	0.69	10~9/L	0.2-1.0
Absolute Eosinophil Count	0.27	10~9/L	0.02-0.5
Absolute Basophil Count	0.070	10~9/L	0.02-0.1
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\*\*\* End Of Report \*\*\*

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Kindly correlate with clinical findings

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Hematology

**Wellwise Essential Profile** 

Dr. Poonam. S. Das, M.D. Principal Director-Max Lab & Blood Bank Services

Dr. Dilip Kumar M.D. Director & Quality Manager

Dr. Nitin Dayal, M.D. Associate Director & Head, Haematopathology

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**Clinical Biochemistry** 

**Wellwise Essential Profile** 

Fasting Blood Sugar (Glucose), (FBS), Fluoride Plasma

Date 28/Oct/2024 Unit Bio Ref Interval

12:18PM

Glucose (Fasting) 107.0 mg/dL 74 - 99

Hexokinase

Interpretation A fasting blood sugar level from 100 to 125 mg/dL is considered prediabetes Elevated blood glucose levels are seen in:

Diabetes mellitus, Cushing's disease, Acromegaly

Stress, such as from surgery or trauma. Certain medications, especially corticosteroids

Decreased blood glucose levels can be due to drug induced, hypothyroidism, addison (adrenal insufficiency)

### HbA1c (Glycated/ Glycosylated Hemoglobin) Test

**HPLC** 

Date	28/Oct/2024 12:18PM	Unit	Bio Ref Interval
Glycosylated Haemoglobin(Hb A1c)	6.90	%	< 5.7
Glycosylated Haemoglobin(Hb A1c) IFCC	51.9	mmol/mol	I < 39.0
Average Glucose Value For the Last 3 Months	151.33	mg/dL	
Average Glucose Value For the Last 3 Months IFCC	8.38	mmol/L	

**Interpretation** The following HbA1c ranges recommended by the American Diabetes Assocation(ADA) may be used as an aid in the diagnosis of diabetes mellitus.

HbA1C(NGSP %)	HbA1C(IFCC mmol/mol)	Suggested Diagnosis
<u>≥</u> 6.5	<u>&gt;</u> 48	Diabetic
5.7 - 6.4	39 - 47	Pre- Diabetic
< 5.7	< 39	Non - Diabetic

HbA1C provides a useful index of average glycaemia over the preceding 6-8 weeks.

It is suggested that HbA1c is measured every 6 months in stable patients, every 3 months in patients with unstable metabolic control and every month in pregnancy. Increased Glycated hemoglobin is a reflection of Hyperglycemia.

### Kindly correlate with clinical findings

\*\*\* End Of Report \*\*\*

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Treipine No. 7362 100 200 www.maxiab.co.m





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> **Clinical Biochemistry Wellwise Essential Profile**

Dr. Poonam. S. Das, M.D. Principal Director-Max Lab & Blood Bank Services Dr. Dilip Kumar M.D. Associate Director & Manager Quality

Dr. Rajeev Kumar, MD Associate Consultant Biochemistry

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**Immunoassay** 

### **Wellwise Essential Profile**

Thyroid Stimulating Hormone (TSH), Serum

28/Oct/2024 Unit Bio Ref 12:18PM Interval

Thyroid Stimulating

Hormone CLIA

**Date** 

0.97

μIU/mL 0.38 - 5.33

## Interpretation

Parameter Unit		Premature (28 Cord Blood (		Upto 2	1st Trimester 2nd Trimest	2nd Tuimastan	2 T
rarameter	Omt	- 36 Weeks)	> 37 weeks)	Month	1st 1rimester 2nd 1ri	Ziid Trimester	ter 3rd Frimester
TSH	uIU/ml	0.7 - 27.0	2.3 - 13.2	0.5 - 10	0.05 - 3.7	0.31 - 4.35	0.41 - 5.18

Increased in primary Hypothyroidism. Decreased in primary Hyperthyroidism

**Note :** TSH levels are subject to circadian variation, reaching peak levels between 2-4 am and at a minimum between 6-10 pm. The variation is of the order of 50% - 206 %, hence time of the day has influence on the measured serum TSH concentrations.

### Kindly correlate with clinical findings

\*\*\* End Of Report \*\*\*

Dr. Poonam. S. Das, M.D. Principal Director-Max Lab & Blood Bank Services

**Dr. Dilip Kumar M.D.** Associate Director & Manager Quality Dr. Rajeev Kumar, MD Associate Consultant Biochemistry

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Clinical Biochemistry
Wellwise Essential Profile

SIN Na-D2D 6010704

Urea, Serum

Date 28/Oct/2024 Unit Bio Ref Interval

12:18PM

 Urea
 25.3
 mg/dL
 17 - 43

 Urase, UV
 17 - 43
 17 - 43

Creatinine, Serum

Date 28/Oct/2024 Unit Bio Ref

12:18PM Interval

Creatinine **0.8** mg/dL 0.9 - 1.3

Alkaline picrate kinetic

eGFR by MDRD 124.53 ml/min/1.73

/IDRD

eGFR by CKD EPI 2021 129.82

# Ref. Range

eGFR - Estimated Glomerular Filteration Rate is calculated by MDRD equation which is most accurate for GFRs  $\leq 60$ ml / m /1.73 m<sup>2</sup>.MDRD equation is **used for adult population only.** 

Category	Ref Interval (ml / min / 1.73 m²)	Condition
G1	≥90	Normal or High
G2	60 - 89	Mildly Decreased
G3a	45 - 59	Mildly to Moderately Decreased
G3b	30 - 44	Moderately to Severly Decreased
G4	15 - 29	Severly Decreased
G5	< 15	Kidney failure

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Clinical Biochemistry

Wellwise Essential Profile

## Bilirubin Total and Direct, Serum

Date	28/Oct/2024	Unit	<b>Bio Ref Interval</b>
	12:18PM		
Bilirubin (Total)	0.54	mg/dL	0.3 - 1.2
Bilirubin (Direct) Diazotization	0.14	mg/dL	0 - 0.2
Bilirubin (Indirect) Calculated	0.4	mg/dL	0.1 - 1.0

**Interpretation** Increased in Hepatocellular damage (inflammtory, toxic, neplastic), intra hepatic and extra hepatic biliary tree obstruction, hemolytic disease and neonatal physiological jaundice.

### SGOT - Aspartate Amino Transferase, Serum

Date	28/Oct/2024 12:18PM	Unit	Bio Ref Interval
SGOT- Aspartate Transaminase (AST) UV without P5P	16	U/L	0 - 50

#### Interpretation

Increased in acute hepatitis especially viral hepatitis, liver cell necrosis or injury of any cause, including cholestatic or obstructive jaundice, chronic hepatitis and drug induced injury to liver.

## SGPT - Alanine Amino Transferase, Serum

Date	28/Oct/2024 12:18PM	Unit	Bio Ref Interval
SGPT- Alanine Transaminase (ALT)	26	U/L	0 - 50

### Interpretation

UV without P5P

Increased in Acute Liver Cell necrosis of any cause, severe shock right heart failure, acute anoxia (e.g. status asthmaticus), extensive trauma and left heart failure.

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> **Clinical Biochemistry Wellwise Essential Profile**

**Total Cholesterol, Serum** 

Date 28/Oct/2024 Unit **Bio Ref** 12:18PM **Interval** 

148 mg/dL 0 - 200 Cholesterol

Cholesterol oxidase, esterage,

peroxidase

Interpretation

Desirable: < 200 mg/dL

Total Cholesterol Borderline High: 200-239 mg/dL

 $High \ge 240 \text{ mg/dL}$ 

Increased in Familial hypercholesterolemia, coronary heart disease, primary biliary cirrhosis, nephrotic syndrome, type 2 diabetes, hypothyroidism, obesity and

Decreased in Hypo-a-lipoproteinemias, hepatocellular necrosis, hyperthyroidism, malnutrition, severe acute illness and infection.

Triglycerides, Serum

Bio Ref **Date** 28/Oct/2024 Unit 12:18PM Interval

0 - 150Triglyceride 84.0 mg/dL

Enzymatic end point

Comment

Normal: <150 mg/dL

Borderline High: 150-199 mg/dL Triglyceride

High: 200-499 mg/dL Very High: ≥ 500 mg/dL

Kindly correlate with clinical findings

\*\*\* End Of Report \*\*\*

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**Clinical Pathology** 

**Wellwise Essential Profile** 

**Urine Routine And Microscopy** 

Date 28/Oct/2024 Unit **Bio Ref Interval** 

12:18PM

Macroscopy

Colour Pale Yellow Pale Yellow

Visual Observation/ Automated PΗ

5.5 5-6 Double Indicator

Specific Gravity 1.020 1.015 - 1.025

pKa change

Protein Nil Neg Protein-error of indicators

Glucose. Neg Nil

Enzyme Reaction

Ketones Neg Nil Acetoacetic Reaction

Nil Blood Neg

Benzidine Reaction Bilirubin Nil Neg

Diazo Reaction

Urobilinogen Normal Normal

Ehrlichs Reaction

Neg

Conversion of Nitrate

Light Microscopy/Image capture

**Microscopy** 

Red Blood Cells (RBC) /HPF Nil

/HPF 0.0-5.0 White Blood Cells 0

Light Microscopy/Image capture

Squamous Epithelial Cells /HPF

Light Microscopy/Image capture microscopy

/I PF Nil Nil Cast

Light Microscopy/Image capture microscopy

Crystals Nil Nil

Light Microscopy/Image capture microscopy

Bacteria Nil /HPF Nil

Light Microscopy/Image capture

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