


Patient Name : **MR. KUMAR SUMIT**  
Patient ID : PKG10000227  
Age / Sex : 33 years / Male  
Referred by : MEDIWHEEL  
Bill ID : 58700

Collected : Feb 12, 2022, 09:48 a.m.  
Reported : Feb 12, 2022, 12:44 p.m.  
Sample ID :   
165564


Test Description	Results	Units	Biological Reference Range
<b><u>LIVER FUNCTION TEST</u></b>			
Sample Type : Serum			
TOTAL BILIRUBIN [ DIAZO ]	0.65	mg/dl	0.3-1.3 mg/dl
BILIRUBIN-DIRECT [ DIAZO ]	0.29	mg/dl	0.1-0.4 mg/dl
BILLIRUBIN-INDIRECT [ CALCULATED ]	0.36	mg/dl	0.1-0.9 mg/dl
S.G.O.T. (AST) [ IFCC without Pyridoxal Phosphate ]	<b>57.80</b>	IU/L	5-40 IU/L
S.G.P.T.(ALT) [ IFCC without Pyridoxal Phosphate ]	<b>104.40</b>	IU/L	5-40 IU/L
ALKALINE PHOSPHATASE [ Amino Methyl Propanol (AMP) ]	111.00	IU/L	44-147 IU/L
TOTAL PROTEINS [ BIURET ]	7.31	IU/L	6.0 - 8.5g/dL
ALBUMIN [ BROMO CRESOL GREEN (BCG) ]	4.03	g/dl	3.5-5.0 g/dl
GLOBULIN [ CALCULATED ]	3.28	gm%	2.3-3.5 gm%
ALBUMIN/GLOBULIN RATIO [ CALCULATED ]	1.23		
GAMMA GT	<b>57.30</b>	U/L	0 - 45
Technique :	Fully Automated Biochemistry Analyser ERBA EM-200		

\*\*END OF REPORT\*\*



**Dr. Sudhamani S. MD**  
Consultant Pathologist  
Reg. No. : 90461

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**SR. URIC ACID**

Sample Type : Serum

<b>Uric Acid</b> [ Uricase - POD ]	<b>8.90</b>	mg/dl	3.6 - 7.7
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Technique :- Done On Fully Automated Biochemistry Analyser ERBA EM-200.


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\*\*END OF REPORT\*\*



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**CREATININE**

Sample Type : Serum

<b>Creatinine</b>	0.88	mg/dl	0.40 - 1.40
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[ Enzymatic ]

Formula

Technique :- Done On Fully Automated Biochemistry Analyser ERBA EM-200

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



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**BLOOD UREA LEVEL ( BUL )**

Sample Type : Serum

<b>Urea</b>	25.70	mg/dl	10 - 40
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[ Urease - GLDH ]

<b>Bun</b>	12.00	mg/dl	6 - 21
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[ Calculated ]

Technique :- Done On Fully Automated Biochemistry Analyser ERBA EM-200

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**LIPID PROFILE**

Sample Type : Serum

TOTAL CHOLESTEROL [ CHOD-PAP ]	<b>212.40</b>	mg/dL	Desirable : <200 mg/dl Borderline : 200 - 239mg/dl High : >240 mg/dl
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TRIGLYCERIDES [ Glycerol Phosphate Oxidase ]	<b>153.80</b>	mg/dL	Desirable : <150 mg/dl Borderline : 150 - 199mg/dl High : >200mg/dl
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HDL CHOLESTEROL [ Direct ]	44.60	mg/dL	Desirable : >40 mg/dl Borderline Risk : 35 mg/dl High Risk : <30 mg/dl
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LDL CHOLESTEROL [ Calculated ]	<b>137.04</b>	mg/dL	Desirable : <100 mg/dl Borderline : 130 - 160mg/dl High : >160mg/dl
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VLDL Cholesterol [ Calculated ]	<b>30.76</b>	mg/dL	Desirable : <26 mg/dl Borderline : >30 mg/dl
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Total Chol / HDL Chol Ratio [ Calculated ]	<b>4.76</b>	mg/dL	Desirable : <5 %
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LDL / HDL Ratio [ Calculated ]	3.07		1.00 - 3.55
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NON-HDL CHOLESTEROL [ Calculated ]	<b>167.80</b>	mg/dL	Desirable : <130 mg/dl Borderline : 160 - 189 mg/dl High : >220 mg/dl
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**Technique:** Fully Automated Biochemistry Analyser ERBA EM-200.

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

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### ULTRASENSITIVE THYROID STIMULATING HORMONE (TSH)

Sample Type : Serum

<b>Ultrasensitive Thyroid Stimulative Hormone (TSH)</b> [ CLIA ]	<b>6.66</b>	$\mu$ U/mL	0.3 - 4.5 1st trimester - 0.1 - 2.5 $\mu$ U/mL 2nd trimester - 0.2 - 3 $\mu$ U/mL 3rd trimester - 0.3 - 3 $\mu$ U/mL
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#### **Clinical Significance :-**


1. Serum TSH concentrations exhibit a diurnal variation with the peak occurring during the night.
2. Useful for: Screening for thyroid dysfunction and detecting mild (subclinical), as well as overt, primary hypo- or hyperthyroidism in ambulatory patients.
3. Monitoring patients on thyroid replacement therapy.
4. Confirmation of thyroid-stimulating hormone (TSH) suppression in thyroid cancer patients on thyroxine suppression therapy.
5. Prediction of thyrotropin-releasing hormone-stimulated TSH response.

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



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**TOTAL THYROXINE ( T4 )**

Sample Type : Serum


Total Thyroxine ( T4 ) [CLIA]	81.85	ng/ml	52 - 127
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**\*\*END OF REPORT\*\***



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**TOTAL TRIIODOTHYRONINE (T3)**

Sample Type : Serum

TotalTriiodothyronine (T3) [CLIA]	2.10	ng/dL	0.69 - 2.15
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\*\*END OF REPORT\*\*



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Test Description	Results	Units	Biological Reference Range
<b><u>GLYCOCYLATED HAEMOGLOBIN</u></b>			
Sample Type : EDTA / Whole Blood			
Glycylated Haemoglobin (HbA1c) [ Tosoh HPLC ]	<b>6.4</b>	%	<5.7%NON DIABETIC 5.7-6.4% PRE-DIABETIC >6.5% DIABETIC <7.0% GOAL FOR DIABETIC ON TREATMENT
MEAN BLOOD GLUCOSE	136.98	mg/dL	116.89 - 154.2

\*\*END OF REPORT\*\*

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**POST PRANDIAL BLOOD SUGAR**

Sample Type : Flouride PP

Post Prandial Blood Sugar [ GOD - POD ]	<b>235.30</b>	mg/dl	110-180
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Technique :- Done On Fully Automated Biochemistry Analyser ERBA EM-200

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



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Test Description	Results	Units	Biological Reference Range
<b><u>FASTING BLOOD SUGAR</u></b>			
Sample Type : Flouride R			
Fasting Blood Sugar [ GOD - POD ]	<b>139.00</b>	mg/dl	Normal : 70 - 99 mg/dl impaired Tolerance : 100 - 125mg/dl Diabetes Mellitus : >126 mg/dl
Technique :-	Fully Automated Biochemistry Analyser ERBA EM-200		

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



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**BLOOD GROUP**

Sample Type : EDTA / Whole Blood

ABO Grouping

"O"

Rh Grouping

POSITIVE

**Note:**


These report is for information purpose only. Blood group needs to be reconfirmed at the time of cross matching for blood transfusion.

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



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### STOOL ANALYSIS REPORT

Sample Type : Serum

#### PHYSICAL EXAMINATION

Colour	Brownish Yellow
Consistency	Semisolid
Mucus	Absent
pH	5.0

#### CHEMICAL EXAMINATION

Occult Blood	Absent
Reducing Substance	Absent

#### MICROSCOPIC EXAMINATION


Pus Cells	Occasional
RBC	Absent
Epithelial cells	1-2
Macrophages	Absent
Bacteria	Absent
Reducing Substances	Absent
Yeast Cells	Absent
Protozoa	Absent
Flagellates	Absent
Helminthic Ova	Absent
Cyst	Absent
Other	Absent

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### URINE ANALYSE REPORT

Sample Type : Urine

#### PHYSICAL EXAMINATION

COLOUR	Pale Yellow		
APPEARANCE	Clear		
REACTION (PH)	6.0		4.8 - 7.6
SPECIFIC GRAVITY	1.025		1.010 - 1.030
ALBUMIN	Absent		
GLUCOSE	Absent		
BLOOD (U)	Absent		
BILE PIGMENTS	Negative		
BILE SALTS	Absent		
KETONE	Negative		
LEUKOCYTES	Absent		
NITRITE	Absent		
UROBILINOGEN	Negative		

#### MICROSCOPY


PUS CELLS/hpf	1-2		
RBCs/hpf	Absent		
EPI.CELLS/hpf	1-2		
CASTS	Absent		
CRYSTALS	Absent		
BACTERIA	Absent		
Other	Absent		

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Test Description	Results	Units	Biological Reference Range
<b><u>ESR</u></b>			
Sample Type : EDTA / Whole Blood			
ESR	05	Mm/hr	0 - 15
Method	Westergren		

\*\*END OF REPORT\*\*



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Test Description	Results	Units	Biological Reference Range
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### COMPLETE BLOOD COUNT

Sample Type : EDTA / Whole Blood

Hemoglobin	13.3	g/dl	13.0 - 17.0
RBC COUNT	4.50	Millions/c	4.5 - 5.5
PCV(Hematocrit)	<b>39.2</b>	%	40.0 - 50.0
Mean Cell Volume(MCV)	87.11	fl	80.0 - 100.0
Mean Cell Hemoglobin(MCH)	29.56	pg	27.0 - 33.0
Mean Cell Hb Conc(MCHC)	33.93	g/dl	32 - 36
RDW	13.5	%	11.50 - 14.50
Total Leucocytes (WBC) Count	8900	/cumm	4000-11000

### DIFFERENTIAL COUNT

Neutrophils	52.9	%	40 - 70
Lymphocytes	33.7	%	20 - 50
Eosionphils	6.0	%	01 - 06
Monocytes	6.5	%	00 - 08
Basophils	0.90	%	00-01

### SMEAR STUDY

RBC Morphology	Normocytic Normocromic.		
WBC Morphology	No E/o Toxic granules seen		
Platelets On Smear	Adequate on Smear		
Platelet Count	152000	/cumm	150000 - 450000
MPV	<b>13.5</b>	fL	6.5 - 10.0

### Comments :-

#### Method:-

HB:-Colorimetric, Total WBC:-Impedance/Flow Cytometry, HCT, MCV, MCH, MCHC, RDW-CV:-Calculate, Diff. Count: Flow Cytometry / Manual Stained Smear Microscopy, RBC: Impedance, Platelets : Impedance Method.

#### Technique :-

Fully Automated 5 part Diff. Cell Counter .

All Test Results are subjected to stringent international External and Internal Quality Control Protocols

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



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