



Name: <b>MAYANKKUMAR GULABBHAI PATEL</b>	Ward: opd
Lab ID: <b>00000219</b>	Registration on: 26/11/2022 09:39:00
Age & Sex: <b>33 Year   Male</b>	Reported on: 16:58:50
Reference: <b>VELOCITY HOSPITAL</b>	Sample Type:

### CBC ESR

Test	Observed Value	Unit	Biological Reference Interval
Haemoglobin	15.9	g/dL	13.4 - 16.4
Total RBC	5.58	mill./cm	4.50 - 6.00
Total WBC	7100	/cmm	4000 - 10000
Platelet Count	367000	/cmm	150000 - 450000
HCT	45.9	%	
MCV	82.3	fL	80.0 - 100.0
MCH	28.5	pg	27.0 - 32.0
MCHC	34.6	g/dL	31.5 - 36.0

### DIFFERENTIAL COUNT

Neutrophils	50	%	40 - 70
Lymphocytes	36	%	20 - 40
Eosinophils	06 H	%	02 - 05
Monocytes	08 H	%	01 - 07
Basophils	00	%	00 - 02
Band Cells	00	%	0.0 - 6.0

### ABSOLUTE DIFFERENTIAL COUNT

Neutrophils	3550	/cumm	2000.0-7000.0
Lymphocytes	2556	/cumm	1000.0-3000.0
Eosinophils	426	/cumm	20 - 500
Monocytes	568	/cumm	200 - 1000
Basophils	0	/cumm	0 - 100

### GLR / NLR

(Neutrophil/Lymphocyte Ratio) 1.4

### MENTZER INDEX

14.7

### RDW-CV

12.5 % 11.1 - 14.1

### MPV

9.2 fL 7.00 - 11.00

### PERIPHERAL SMEAR EXAMINATION

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Sample Type:

RBC Morphology  
WBC Morphology  
Platelets in Smear

Normochromic and normocytic.  
Appear normal, Immature cells are not seen .  
Adequate.

Malarial Parasites

Not Detected.

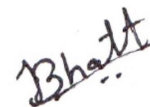
ESR

AFTER 1 HOUR

08

mm/hr

0.0 - 15.0



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## BLOOD GROUP

<u>Test</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
<u>Blood Group</u>	"B"		
<u>Rh Factor</u>	NEGATIVE		
<u>NOTE</u>	Confirmed by GEL MATRIX method._		

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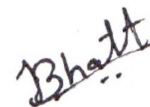
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Sample Type:

## BLOOD GLUCOSE TEST

<u>Test</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
Sample	FLOURIDE PLASMA		
<u>FASTING (FBS)</u>			
Blood Sugar-F	84.0	mg/dL	70.00-110.00
<u>POST PRANDIAL (PPBS)</u>			
Blood Sugar-PP	112.0	mg/dL	110.0 - 140.0



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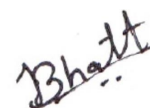
Sample Type:

## HEMOGLOBIN A1c TEST

Test	Observed Value	Unit	Biological Reference Interval
<u>HbA1c</u>	5.5	%	> 8 : Action Suggested 7-8 : Good control < 7 : Goal 6.2-7 : Near Normal Glycemia < 6.2 : Non-diabetic Level
Mean Blood Glucose	111.2	mg/dL	70.0 - 140.0

### Importance of HbA1c - Glycated Hb. in Diabetes Mellitus

- HbA1c, also known as Glycated Hemoglobin is the most important test for the assessment of long term blood glucose control (also called glycemic control)
- HbA1c reflects mean blood glucose concentration over past 6-8 weeks and provides a much better indication of long term glycemic control than blood glucose determination
- HbA1c is formed by non-enzymatic reaction between glucose and Hb. , this reaction is irreversible and therefore remains unaffected by short term fluctuations in blood glucose levels.
- Long term complications of diabetes such as retinopathy-eye complications, nephropathy-kidney complications and neuropathy-nerve complications, are potentially serious and can lead to blindness, kidney failure etc.
- Glycemic control monitored by HbA1c measurement using HPLC method-(Gold Standard) is considered most important. (Ref. National Glycohemoglobin Standardization Program -NGSP).

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**LIPID PROFILE**

Test	Observed Value	Unit	Biological Reference Interval
Sample	Fasting Blood Serum		
Cholesterol	156.09	mg/dL	UP TO 220
Triglyceride	190.64 H	mg/dL	60.0 - 165.0
HDL Cholesterol	27.12 L	mg/dL	35.0 - 80.0
VLDL	38.13 H	mg/dL	0.00 - 30.00
LDL Cholesterol	90.84	mg/dL	< 130 : Optimal 130 - 159 : Borderline High 160 - 189 : High >= 190 : Very High
Cholesterol / HDL Chol. Ratio	3.35		0 - 3.5
Total Lipid	5.8 L	mg/dl	400.0 - 1000.0

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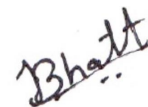
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## RENAL FUNCTION TEST

Test		Unit	
S. Creatinine	1.25	mg/dL	0.5-1.30
Bl. Urea	9.58 L	mg/dL	10.0 - 40.0
BUN	11.97	mg/dl	6.0 - 22.0
Uric Acid	7.11	mg/dL	3.5 - 7.2

### PROTEINS

Total Protein	7.37	g/dL	6.0 - 8.0
Albumin	4.14	g/dL	3.50 - 5.50
Globulin	3.2	g/dL	2.5 - 4.0
A/G Ratio	1.3		

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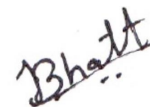
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Sample Type:

## LIVER FUNCTION TEST

Test	Observed Value	Unit	Biological Reference Interval
<b>BILIRUBIN</b>			
Total Bilirubin	0.65	mg/dL	0.10 - 1.20
Direct Bilirubin	0.21	mg/dL	0.0-0.4
Indirect Bilirubin	0.44	mg/dL	0.10-0.70
SGPT(ALT)	30.8	U/L	0.0 - 40.0
SGOT (AST)	27.46	U/L	0.0 - 46.0
Alkaline Phosphatase	117.84	U/L	40-129

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## URINE ANALYSIS

Test	Observed Value	Unit	Biological Reference Interval
Sample	Fresh Urine		
<u>PHYSICAL EXAMINATION</u>			
Quantity	10.0	mL	
Colour	Pale-Yellow		
Appearance	Sl. Turbid		Clear
pH	7.5		
Specific Gravity	1.020		
Sediments	Absent		Absent
<u>CHEMICAL EXAMINATION</u>			
Protein (Albumin)	Absent		Absent
Sugar	Absent		Absent
Bile Salts	Absent		Absent
Bile Pigment	Absent		Absent
Ketone	Absent		Absent
Occult Blood	Absent		Absent
Nitrite	Absent		Absent
Leukocyte Esterase	Absent		Absent
Urobilinogen	Normal		Normal
<u>MICROSCOPIC EXAMINATION</u>			
Pus Cells	Occasional	/hpf	Absent
Red Blood Cells	Absent	/hpf	Absent
Epithelial Cells	1-2	/hpf	Absent
Crystals	Absent		Absent
Amorphous material	Absent		Absent
Casts	Absent		Absent
Yeast	Absent		Absent
Bacteria	Absent		Absent

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## STOOL EXAMINATION

Test	Observed Value	Unit
<u>PHYSICAL EXAMINATION</u>		
Quantity	30	gm
Consistency	Solid	
Colour	Brown	
Mucus	Absent	Absent
Blood	Absent	Absent
<u>CHEMICAL TEST</u>		
Occult Blood	Absent	Absent
Reducing Substance	Absent	
pH	Acidic	
<u>MICROSCOPIC EXAMINATION / HPF</u>		
Ova	Not seen	Absent
Cysts	Not seen	Absent
Trophozoites	Not seen	Absent
Larva	Not seen	Absent
Pus cells	Absent	Absent
Red cells	Absent	Absent
Macrophages	Absent	Absent
Epithelial Cells	Absent	
Vegetable Fibre	Present	Absent
Muscle fibres	Absent	Absent
Fat globules	Absent	Absent
Yeast	Absent	Absent

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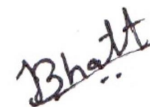
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Sample Type:

**THYROID FUNCTION TEST**

Test	Observed Value	Unit	Biological Reference Interval
T3 - Triiodothyronine (total tri-iodothyronine)	1.23	µg/dl	0.970-1.69
T4 - Total Thyroxine (total thyroxine)	7.94	µg/dl	5.53-11.0
TSH	2.63	mIU/mL	0.40-4.40

--- End of Report ---

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