



Name: SOMAY BASKEY	Ward: OPD
Lab ID: 00000181	Registration on: 25/12/2023 08:55:00
Age & Sex: 51 Year Male	Reported on: 16:51:31
Reference: VELOCITY HOSPITAL	Sample Type: BLOOD & URINE

CBC ESR

Test	Observed Value	Unit	Biological Reference Interval
Haemoglobin	13.7	g/dL	13.0 - 17.0
Total RBC	6.08 H	mill./cm	4.00 - 5.20
Total WBC	4690	/cmm	4000 - 11000
Platelet Count	76200 L	/cmm	150000 - 450000
HCT	45.4	%	36.0 - 48.0
MCV	74.7 L	fL	80.0 - 100.0
MCH	22.5 L	pg	27.0 - 32.0
MCHC	30.2 L	g/dL	31.5 - 36.0

DIFFERENTIAL COUNT

Neutrophils	58	%	40 - 70
Lymphocytes	37	%	20 - 40
Eosinophils	01	%	01-05
Monocytes	03	%	01-07
Basophils	00	%	
Band Cells	00	%	0.0 - 6.0

ABSOLUTE DIFFERENTIAL COUNT

Neutrophils	2720	/cumm	2000 - 7000
Lymphocytes	1735	/cumm	1000 - 3000
Eosinophils	47	/cumm	
Monocytes	141	/cumm	
Basophils	0	/cumm	0 - 100

GLR / NLR

(Neutrophil/Lymphocyte Ratio)

1.6

MENTZER INDEX

12.3

RDW-CV	13.9	%	11.1 - 14.1
RDW-SD	41.5	fl	
MPV	11.6	fl	
PCT	0.09	%	

DR. TEJAL BHATT
MD. PATHOLOGIST



Name: **SOMAY BASKEY**

Ward: OPD

Lab ID **00000181**

Registration on: 25/12/2023 08:55:00

Age & Sex: **51 Year | Male**

Reported on: 16:51:31

Reference: **VELOCITY HOSPITAL**Sample Type: **BLOOD & URINE**

PDW	16.4	%
P-LCR	70.5	%

PERIPHERAL SMEAR EXAMINATIONRBC Morphology
WBC Morphology
Platelets in SmearMicrocytosis (+),
Appear normal, Immature cells are not seen .
Mild ThrombocytopeniaMalarial Parasites

Not Detected.

Note

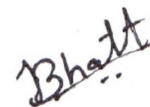
Hb electrophoresis is advised to rule out thalassemia as Mentzer index is <13. (low HB, high RBC count and low MCV) .

ESR

AFTER 1 HOUR

20 H mm/hr

0.0 - 15.0

DR. TEJAL BHATT
MD. PATHOLOGIST



Name: SOMAY BASKEY	Ward: OPD
Lab ID 00000181	Registration on: 25/12/2023 08:55:00
Age & Sex: 51 Year Male	Reported on: 16:51:32
Reference: VELOCITY HOSPITAL	Sample Type: BLOOD & URINE

BLOOD GROUP

<u>Test</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
<u>Blood Group</u>	"A"		
<u>Rh Factor</u>	POSITIVE		

DR. TEJAL BHATT
MD. PATHOLOGIST





Name: SOMAY BASKEY	Ward: OPD
Lab ID: 00000181	Registration on: 25/12/2023 08:55:00
Age & Sex: 51 Year Male	Reported on: 16:51:32
Reference: VELOCITY HOSPITAL	Sample Type: BLOOD & URINE

BLOOD GLUCOSE TEST

<u>Test</u>	<u>Observed Value</u>	<u>Unit</u>	<u>Biological Reference Interval</u>
Sample <u>FASTING (FBS)</u> Blood Sugar-F	FLOURIDE PLASMA 80.57	mg/dL	70.00-110.00

DR. TEJAL BHATT
MD. PATHOLOGIST



Name: **SOMAY BASKEY**

Ward: OPD

Lab ID **00000181**

Registration on: 25/12/2023 08:55:00

Age & Sex: **51 Year | Male**

Reported on: 16:51:32

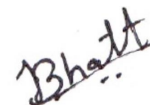
Reference: **VELOCITY HOSPITAL**Sample Type: **BLOOD & URINE**

HEMOGLOBIN A1c TEST

Test	Observed Value	Unit	Biological Reference Interval
<u>HbA1c</u>	4.12	%	> 8 : Action Suggested 7-8 : Good control < 7 : Goal 6.2-7 : Near Normal Glycemia < 6.2 : Non-diabetic Level
Mean Blood Glucose	71.5	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).

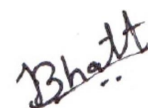
DR. TEJAL BHATT
MD. PATHOLOGIST



Name: SOMAY BASKEY	Ward: OPD
Lab ID: 00000181	Registration on: 25/12/2023 08:55:00
Age & Sex: 51 Year Male	Reported on: 16:51:32
Reference: VELOCITY HOSPITAL	Sample Type: BLOOD & URINE

LIPID PROFILE

Test	Observed Value	Unit	Biological Reference Interval
Sample	Fasting Blood Serum		
Cholesterol	143.5	mg/dL	<200 Desirable 200-229 Borderline >240 High
Triglyceride	80.2	mg/dL	<150 Normal 150-199 Borderline 200-499 High ≥500 Very High
HDL Cholesterol	57.60	mg/dL	Male : 35-80 Female : 42-88
VLDL	16.04	mg/dL	0.00 - 30.00
LDL Cholesterol	69.86	mg/dL	< 130 : Optimal 130 - 159 : Borderline High 160 - 189 : High ≥ 190 : Very High
LDL Chol. / HDL Chol. Ratio	1.21		1.0 - 3.4
Cholesterol / HDL Chol. Ratio	2.5		0 - 3.5
Total Lipid	468.2	mg/dl	400.0 - 1000.0



DR. TEJAL BHATT
MD. PATHOLOGIST



Name: **SOMAY BASKEY**

Ward: OPD

Lab ID: **00000181**

Registration on: 25/12/2023 08:55:00

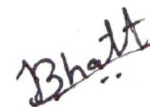
Age & Sex: **51 Year | Male**

Reported on: 16:51:32

Reference: **VELOCITY HOSPITAL**Sample Type: **BLOOD & URINE**

RENAL FUNCTION TEST

Test		Unit	
S. Creatinine	1.09	mg/dL	0.5-1.30
Bl. Urea	22.0	mg/dL	10.0 - 40.0
BUN	10.3	mg/dl	6.0 - 22.0
Uric Acid	5.61	mg/dL	3.5 - 7.2
PROTEINS			
Total Protein	7.3	g/dL	6.0 - 8.0
Albumin	3.65	g/dL	3.50 - 5.50
Globulin	3.7	g/dL	2.0 - 4.0
A/G Ratio	1.0		

DR. TEJAL BHATT
MD. PATHOLOGIST

Name: **SOMAY BASKEY**

Ward: OPD

Lab ID: **00000181**

Registration on: 25/12/2023 08:55:00

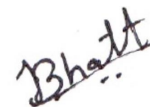
Age & Sex: **51 Year | Male**

Reported on: 16:51:32

Reference: **VELOCITY HOSPITAL**Sample Type: **BLOOD & URINE**

LIVER FUNCTION TEST

Test	Observed Value	Unit	Biological Reference Interval
BILIRUBIN			
Total Bilirubin	0.6	mg/dL	0.00 - 1.20
Direct Bilirubin	0.2	mg/dL	0.00 - 0.40
Indirect Bilirubin	0.4	mg/dL	0.0 - 1.0
SGPT(ALT)	28.62	U/L	0.0 - 40.0
SGOT (AST)	30.32	U/L	0.0 - 46.0
Alkaline Phosphatase	207.3	U/L	80.0 - 306.0
PROTEINS			
Total Protein	7.3	g/dL	6.0 - 8.0
Albumin	3.65	g/dL	3.50 - 5.50
Globulin	3.7	g/dL	2.0 - 4.0
A/G Ratio	1.0		

DR. TEJAL BHATT
MD. PATHOLOGIST

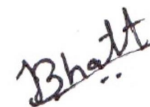


Name: SOMAY BASKEY	Ward: OPD
Lab ID: 00000181	Registration on: 25/12/2023 08:55:00
Age & Sex: 51 Year Male	Reported on: 16:51:32
Reference: VELOCITY HOSPITAL	Sample Type: BLOOD & URINE

URINE ANALYSIS

Test	Observed Value	Unit	Biological Reference Interval
Sample	Fresh Urine		
<u>PHYSICAL EXAMINATION</u>			
Quantity	10.0	mL	
Colour	Pale-Yellow		
Appearance	Clear		Clear
pH	6.0		
Specific Gravity	1.010		
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	Occasional	/hpf	Absent
Crystals	Absent		Absent
Amorphous material	Absent		Absent
Casts	Absent		Absent
Yeast	Absent		Absent
Bacteria	Absent		Absent

--- End of Report ---



DR. TEJAL BHATT
 MD. PATHOLOGIST

