

# LABORATORY REPORT



Name	: RITESHBHAI JOSHI	Registration on	: 12-Feb-2023 10:41
Lab ID	: 2302100278	Pat ID	: 2302100278
Sex/Age	: M / 50 Years	Collected on	: 12-Feb-2023 10:38
Ref. By	: DR JAIMIN M. SUTHAR M.B.B.S	Approved on	: 12-Feb-2023 12:40
Location	:	Sample Type	: EDTA BLOOD

## EXECUTIVE BODY PROFILE WITH TSH

TEST	RESULTS	UNIT	BIOLOGICAL REFERENCE RANGE
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## COMPLETE BLOOD COUNT

### HB AND INDICES

Hemoglobin	13.0	g/dl	13.0 - 17.0
RBC	H 6.38	millions/cumm	4.5 - 5.5
PCV	44.6	%	40.0 - 54.0
MCV	L 70.0	fl	80.0 - 100.0
MCH	L 20.40	pg	26.0 - 32.0
MCHC	L 29.20	g/dl	32.0 - 36.0
RDW	H 16.30	%	11.0 - 16.0
Total WBC Count	9800	/cumm	4000 - 10000

### TOTAL & DIFFERENTIAL COUNT

Neutrophils	H 77	%	40 - 70
Lymphocyte	L 17	%	20 - 40
Eosinophil	2	%	1 - 6
Monocytes	4	%	2 - 10
Basophil	0	%	0 - 2

### PLATELET COUNT

Platelet Count	223000	/cumm	150000 - 450000
PDW	17.5	%	10 - 18

### SMEAR STUDY

RBC Morphology	Hypochromic Microcytic Rbcs,Anisopoikilocytosis+,Tear drop Rbcs +,Target cells+,Elliptocytes+.	
WBC Morphology	Total WBC count within normal limit .	
Platelets	Platelets are adequate in number.	
Parasite	Malarial parasites not detected.	
Morphological Impression	-	
ESR (WESTERGEN METHOD)	4 mm/hr	0 - 15

----- End Of Report -----

\*Note : (LL-Very low, L-Low, H-High, HH-Very High)

Approved by : Dr.Pultsya Vyas  
M.D.Pathology

Printed on : 12-Feb-2023 14:00

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Ref. By	: DR JAIMIN M. SUTHAR M.B.B.S	Approved on	: 12-Feb-2023 14:01
Location	:	Sample Type	: FLUORIDE PLASMA

## EXECUTIVE BODY PROFILE WITH TSH

TEST	RESULTS	UNIT	BIOLOGICAL REFERENCE RANGE
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## BLOOD GLUCOSE LEVEL

<b>Fasting Blood Glucose</b> (GOD/PAP)	H <u>111.85</u>	mg/dl	70 - 110
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<b>Post Prandial Blood Glucose</b> (GOD/PAP)	H <u>158.28</u>	mg/dl	70 - 140
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 Ref. By : DR JAIMIN M. SUTHAR M.B.B.S  
 Location :  
 Registration on : 12-Feb-2023 10:41  
 Collected on : 12-Feb-2023 10:38  
 Approved on : 12-Feb-2023 12:44  
 Sample Type : 24 HRS URINE

## EXECUTIVE BODY PROFILE WITH TSH

TEST	RESULTS	UNIT	BIOLOGICAL REFERENCE RANGE
<b>LIPID PROFILE ON DIA-CHEM 240</b>			
<b>Cholesterol</b> (CHOD-PAP)	H <b>204.71</b>	mg/dl	100 - 200
<b>Triglyceride</b> (GPO-PAP)	<b>155.55</b>	mg/dl	10 - 200
<b>VLDL Cholesterol</b> (CALCULATED)	<b>31.11</b>	mg/dl	10 - 40
<b>HDL Cholesterol</b> (HOMOGENEOUS ASSAY)	<b>45.34</b>	mg/dl	40 - 60
<b>Cholesterol/HDL Ratio</b> (CALCULATED)	H <b>4.515</b>		0 - 4.10
<b>LDL Cholesterol</b> (CALCULATED)	H <b>128.26</b>	mg/dl	0 - 100
<b>Total Lipids</b> (CALCULATED)	<b>564.97</b>	mg/dl	400 - 700

## NEW ATP III GUIDELINES (MAY 2001), MODIFICATION OF NCEP

LDL CHOLESTEROL	CHOLESTEROL	HDL CHOLESTEROL	TRIGLYCERIDES
Optimal<100	Desirable<200	Low<40	Normal<150
Near Optimal 100-129	Border Line 200-239	High >60	Border High 150-199
Borderline 130-159	High >240	-	High 200-499
High 160-189	-	-	High 160-189
High 160-189	-	-	-

- LDL Cholesterol level is primary goal for treatment and varies with risk category and assesment
- For LDL Cholesterol level Please consider direct LDL value  
Risk assessment from HDL and Triglyceride has been revised. Also LDL goals have changed.
- Detail test interpreation available from the lab
- All tests are done according to NCEP guidelines and with FDA approved kits.

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Location	:	Sample Type	: SERUM

## EXECUTIVE BODY PROFILE WITH TSH

TEST	RESULTS	UNIT	BIOLOGICAL REFERENCE RANGE
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## LIVER FUNCTION TEST ON DIA-CHEM 240

<b>Total Bilirubin</b> (DIAZO)	<b>0.82</b>	mg/dl	0.2 - 1
<b>Direct Bilirubin</b> (DIAZO)	<b>0.21</b>	mg/dl	0 - 0.3
<b>Indirect Bilirubin</b> (CALCULATED)	<b>0.61</b>	mg/dl	0 - 0.90
<b>S.G.P.T</b> (ENZYMATIC)	<b>33.65</b>	U/L	0 - 42
<b>S.G.O.T</b> (ENZYMATIC)	<b>28.62</b>	U/L	0 - 40
<b>Alkaline Phosphatase</b> (ENZYMATIC)	<b>68.40</b>	U/L	40 - 129
<b>GGT</b> (ENZYMATIC)	H <b><u>70.14</u></b>	U/L	12 - 64
<b>Total Protein</b> (BIURET)	<b>6.87</b>	g/dl	6 - 8.3
<b>Albumin</b> (BCG)	<b>4.10</b>	g/dl	3.5 - 5.2
<b>Globulin</b> (CALCULATED)	<b>2.77</b>	g/dl	2.3 - 3.6
<b>A/G Ratio</b> (CALCULATED)	<b>1.48</b>		1 - 2.3

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## RENAL FUNCTION TEST

<b>Creatinine</b> (Modified Jaffe's)	<b>1.00</b>	mg/dl	0.50 - 1.40
<b>Urea</b> (GLDH)	<b>26.90</b>	mg/dl	12.6 - 43
<b>Calcium</b> (Arsenazo)	<b>8.80</b>	mg/dl	8.6 - 10.3
<b>Phosphorus</b> (AMMOMOLY)	<b>3.68</b>	mg/dl	2.5 - 4.5
<b>Uric Acid</b> (URICASE)	<b>4.91</b>	mg/dl	3.6 - 7.0

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Location	:	Sample Type	: SERUM

## EXECUTIVE BODY PROFILE WITH TSH

TEST	RESULTS	UNIT	BIOLOGICAL REFERENCE RANGE
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## THYROID STIMULATING HORMONE

<b>TSH</b> (ECLIA)	<b>1.4000</b>	μIU/ml	0.35 - 4.94
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TEST	RESULTS	UNIT	BIOLOGICAL REFERENCE RANGE
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### VITAMIN B12 LEVEL

<b>Vitamin B12</b>	<b>317.20</b>	pg/ml	211 - 911
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(CLIA)

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TEST	RESULTS	UNIT	BIOLOGICAL REFERENCE RANGE
<b>VITAMIN D (TOTAL)</b>			
<b>VITAMIN D</b>	<b>16.2</b>	ng/ml	< 10 :Deficiency 10-30 :Insufficiency 30-100 :Sufficiency > 100 :Toxicity
<i>Chemiluminescent Immunoassay</i>			

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Location	:	Sample Type	: URINE

## EXECUTIVE BODY PROFILE WITH TSH

TEST	RESULTS	UNIT	BIOLOGICAL REFERENCE RANGE
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## URINE ROUTINE EXAMINATION

### PHYSICAL EXAMINATION

Colour	Pale Yellow
Appearance	Slight Turbid

### STRIP FINDINGS

pH	6.50	5 - 8
Sp. Gravity	1.020	1.010 - 1.025
Protein	Negative	Negative
-		
Glucose	Negative	Negative
Bile Salts	Negative	Negative
Bile Pigments	Negative	Negative
Ketone	Negative	Negative

### MICROSCOPIC EXAMINATION

Pus Cells	1-2	/hpf	0 - 6
Epithelial Cells	Present +		Present +
Casts	Nil	/lpf	Nil
Red Cells	Nil	/hpf	Nil
Crystals	Nil		Nil
Monilia	Nil		Nil
Bacteria	Nil		Nil

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