



Name	: Mr. DUMMY	Age	: 25 Years
Lab No.	: WM16SPF	Gender	: Male
Ref By	: SELF	Reported	: 11/11/2023 12:02:58PM
Collected	: 7/11/2023 11:08:00AM	Report Status	: Final
A/c Status	: P	Processed at	: LPL-NATIONAL REFERENCE LAB
Collected at	: LPL-ROHINI (NATIONAL REFERENCE LAB) National Reference laboratory, Block E, Sector 18, ROHINI DELHI 110085		: National Reference laboratory, Block E, Sector 18, Rohini, New Delhi -110085

### Test Report

Test Name	Results	Units	Ref. Interval
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#### SWASTHFIT SUPER 3

#### LIVER & KIDNEY PANEL, SERUM

Creatinine (Modified Jaffe,Kinetic)	1.00	mg/dL	0.70 - 1.30
GFR Estimated (CKD EPI Equation 2021)	107	mL/min/1.73m <sup>2</sup>	>59
GFR Category (KDIGO Guideline 2012)	G1		
Urea (Urease UV)	44.00	mg/dL	13.00 - 43.00
Urea Nitrogen Blood (Calculated)	20.55	mg/dL	6.00 - 20.00
BUN/Creatinine Ratio (Calculated)	21		
Uric Acid (Uricase)		mg/dL	3.50 - 7.20
AST (SGOT) (IFCC without P5P)	35.0	U/L	15.00 - 40.00
ALT (SGPT) (IFCC without P5P)	35.0	U/L	10.00 - 49.00
GGTP (IFCC)	71.0	U/L	0 - 73
Alkaline Phosphatase (ALP) (IFCC-AMP)	118.00	U/L	30.00 - 120.00
Bilirubin Total (Oxidation)	1.00	mg/dL	0.30 - 1.20
Bilirubin Direct (Oxidation)	0.20	mg/dL	<0.3
Bilirubin Indirect (Calculated)	0.80	mg/dL	<1.10
Total Protein (Buret)	8.10	g/dL	5.70 - 8.20
Albumin (BCG)	4.10	g/dL	3.20 - 4.80
A : G Ratio (Calculated)	1.03		0.90 - 2.00
Globulin(Calculated)	4.00	gm/dL	2.0 - 3.5
Calcium, Total (Arsenazo III)	10.00	mg/dL	8.70 - 10.40





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 DELHI 110085

### Test Report

Test Name	Results	Units	Ref. Interval
Phosphorus (Molybdate UV)	5.00	mg/dL	2.50 - 5.10
Sodium (Indirect ISE)	144.00	mEq/L	136.00 - 145.00
Potassium (Indirect ISE)	5.00	mEq/L	3.50 - 5.10
Chloride (Indirect ISE)	100.00	mEq/L	98.00 - 107.00

### LIPID SCREEN, SERUM

Cholesterol, Total (CHO-POD)	156.00	mg/dL	<200.00
Triglycerides (GPO-POD)	151.00	mg/dL	<150.00
HDL Cholesterol (Enz Immunoinhibition)	41.00	mg/dL	>40.00
LDL Cholesterol, Calculated (Calculated)	84.80	mg/dL	<100.00
VLDL Cholesterol, Calculated (Calculated)	30.20	mg/dL	<30.00
Non-HDL Cholesterol (Calculated)	115	mg/dL	<130

### Note

- Measurements in the same patient can show physiological & analytical variations. Three serial samples 1 week apart are recommended for Total Cholesterol, Triglycerides, HDL & LDL Cholesterol.
- Additional testing for Apolipoprotein B, hsCRP, Lp(a) & LP-PLA2 should be considered among patients with moderate risk for ASCVD for risk refinement.

### Treatment Goals as per Lipid Association of India 2020

RISK CATEGORY	TREATMENT GOAL		CONSIDER THERAPY	
	LDL CHOLESTEROL (LDL-C) (mg/dL)	NON HDL CHOLESTEROL (NON HDL-C) (mg/dL)	LDL CHOLESTEROL (LDL-C) (mg/dL)	NON HDL CHOLESTEROL (NON HDL-C) (mg/dL)
Extreme Risk Group Category A	<50 (Optional goal ≤30)	<80 (Optional goal ≤60)	≥50	≥80
Extreme Risk Group Category A	≤30	≤60	>30	>60
Very High	<50	<80	≥50	≥80





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Test Name	Results	Units	Ref. Interval
High	<70	<100	≥70 ≥100
Moderate	<100	<130	≥100 100
Low	<100	<130	≥130* ≥160*

\*In low risk patient, consider therapy after an initial non-pharmacological intervention for at least 2 months

#### GLUCOSE, FASTING (F)

Glucose Fasting (Hexokinase)	100.00	mg/dL	70 - 100
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#### VITAMIN B12; CYANOCOBALAMIN (CLIA)

Vitamin B12; Cyanocobalamin	711.00	pg/mL	211.00 - 911.00
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#### VITAMIN D, 25 - HYDROXY, SERUM (CLIA)

Vitamin D, 25 Hydroxy	247.00	nmol/L	75.00 - 250.00
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#### Interpretation

LEVEL	REFERENCE RANGE IN nmol/L	COMMENTS
Deficient	< 50	High risk for developing bone disease
Insufficient	50-74	Vitamin D concentration which normalizes Parathyroid hormone concentration
Sufficient	75-250	Optimal concentration for maximal health benefit
Potential intoxication	>250	High risk for toxic effects

#### Note

- The assay measures both D2 (Ergocalciferol) and D3 (Cholecalciferol) metabolites of vitamin D.
- 25 (OH)D is influenced by sunlight, latitude, skin pigmentation, sunscreen use and hepatic function.
- Optimal calcium absorption requires vitamin D 25 (OH) levels exceeding 75 nmol/L.
- It shows seasonal variation, with values being 40-50% lower in winter than in summer.





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<ul style="list-style-type: none"> <li>Levels vary with age and are increased in pregnancy.</li> <li>A new test Vitamin D, Ultrasensitive by LC-MS/MS is also available</li> </ul>			

#### THYROID PROFILE, TOTAL, SERUM (CLIA)

Test Name	Results	Units	Ref. Interval
T3, Total	1.00	ng/dL	0.60 - 1.81
T4, Total	12.00	µg/dL	5.01 - 12.45
TSH	4.00	µIU/mL	0.550 - 4.780

#### Note

- TSH levels are subject to circadian variation, reaching peak levels between 2 - 4.a.m. and at a minimum between 6-10 pm . The variation is of the order of 50% . hence time of the day has influence on the measured serum TSH concentrations.
- Alteration in concentration of thyroid hormone binding protein can profoundly affect Total T3 and/or Total T4 levels especially in pregnancy and in patients on steroid therapy.
- Unbound fraction ( Free, or Free T3) of thyroid hormone is biologically active form and correlate more closely with clinical status of the patient than total T4/T3 concentration
- Values <0.01 µIU/mL may not be clinically correlated due to presence of a rare TSH variant in some individuals.

  
 DMC - 38819  
 Dr Himanshu Mazumdar  
 MD, Biochemistry  
 Consultant Biochemist  
 NRL - Dr Lal PathLabs Ltd

  
 DMC - 89936  
 Dr. Kamal Modi  
 MD, Biochemistry  
 Consultant Biochemist  
 NRL - Dr Lal PathLabs Ltd

  
 DMC - 9550  
 Dr Nimmi Kansal  
 MD, Biochemistry  
 Technical Director - Clinical Chemistry  
 & Biochemical Genetics  
 NRL - Dr Lal PathLabs Ltd





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-----End of report-----



**IMPORTANT INSTRUCTIONS**

•Test results released pertain to the specimen submitted. •All test results depend on the quality of the sample received by the Laboratory. •Laboratory investigations are only a tool to facilitate in arriving at a diagnosis and should be clinically correlated by the Referring Physician. •Report delivery may be delayed due to unforeseen circumstances. Inconvenience is regretted. •Certain tests may require further testing at additional cost for derivation of exact value. Kindly submit request within 72 hours post booking. •Test results may show interlaboratory variations. •The Courts/Forum at Delhi shall have exclusive jurisdiction in all disputes/claims concerning the test(s) & or results of test(s). •Test results are not valid for medico legal purposes. •This is computer generated diagnostic report that has been validated by Authorized Medical Practitioner/Doctor. •The report does not need physical signature.  
 (#) Sample drawn from outside source.  
 If Test results are alarming or unexpected, client is advised to contact the Customer Care immediately for possible remedial action.  
 Tel: +91-11-49885050, Fax: - +91-11-2788-2134, E-mail: lalpathlabs@lalpathlabs.com  
 National Reference lab, Delhi, a CAP (7171001) Accredited, ISO 9001:2015 (FS60411) & ISO 27001:2013 (616691) Certified laboratory.

Sample Report

