

Registered Office: - # Plot No. 564, 1st floor, Buddhanagar, Near Sai Baba Temple Peerzadiguda Boduppal Hyderabad, Telangana.

ICMR Reg .No. SAPALAPVLHT (Covid -19)

Ph:- 040-40125441, Email:- info@sagepathlabs.com

Website:- www.sagepathlabs.com

REPORT

: Mr. M S N MURTHY Name Sample ID : 24753432, 24753401 Age/Gender : 72 Years/Male Reg. No : 0312311030011

SPP Code Referred by : Dr. S RAGHAVENDER : SPL-CV-172

Referring Customer : V CARE MEDICAL DIAGNOSTICS Collected On : 03-Nov-2023 09:09 AM Primary Sample : 03-Nov-2023 12:34 PM : Whole Blood Received On

Sample Tested In : Plasma-NaF(F), Plasma-NaF(PP) Reported On : 03-Nov-2023 02:28 PM

Client Address : Kimtee colony ,Gokul Nagar,Tarnaka Report Status : Final Report

## **CLINICAL BIOCHEMISTRY**

## **GLUCOSE POST PRANDIAL (PP)**

Test Name **Results Units** Ref. Range Method

Glucose Fasting (F) 414 mg/dL 70-100 **GOD-POD** 

Interpretation of Plasma Glucose based on ADA guidelines 2018

Diagnosis	FastingPlasma Glucose(mg/dL)	2hrsPlasma Glucose(mg/dL)	HbA1c(%)	RBS(mg/dL)
Prediabetes	100-125	140-199	5.7-6.4	NA
Diabetes	>= 126	>= 200	II I	>=200(with symptoms)

Reference: Diabetes care 2018:41(suppl.1):S13-S27

**Glucose Post Prandial (PP)** 70-140 Hexokinase (HK) mg/dL

Interpretation of Plasma Glucose based on ADA guidelines 2018

	J	2hrsPlasma Glucose(mg/dL)	HbA1c(%)	RBS(mg/dL)
Prediabetes	100-125	140-199	5.7-6.4	NA
Diabetes	>= 126	>= 200		>=200(with symptoms)

Reference: Diabetes care 2018:41(suppl.1):S13-S27

- Postprandial glucose level is a screening test for Diabetes Mellitus
- If glucose level is >140 mg/dL and <200 mg/dL, then GTT (glucose tolerance test) is advised.
- If level after 2 hours = >200 mg/dL diabetes mellitus is confirmed.
- Advise HbA1c for further evaluation.

Result rechecked and verified for abnormal cases

\*\*\* End Of Report \*\*\*

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REPORT

 Name
 : Mr. M S N MURTHY
 Sample ID
 : 24753429

 Age/Gender
 : 72 Years/Male
 Reg. No
 : 0312311030011

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Referred by : Dr. S RAGHAVENDER SPP Code : SPL-CV-172

Referring Customer : V CARE MEDICAL DIAGNOSTICS Collected On : 03-Nov-2023 09:09 AM
Primary Sample : Whole Blood Received On : 03-Nov-2023 12:43 PM

Sample Tested In : Whole Blood EDTA Reported On : 03-Nov-2023 02:02 PM

Client Address : Kimtee colony , Gokul Nagar, Tarnaka Report Status : Final Report

CLINICAL BIOCHEMISTRY						
Test Name	Results	Units	Ref. Range	Method		
Glycated Hemoglobin (HbA1c)	12.9	%	Non Diabetic: < 5.7 Pre diabetic: 5.7-6.4 Diabetic: >= 6.5	HPLC		
Mean Plasma Glucose	323.53	mg/dL		Calculated		

#### Interpretation:

- Glycated hemoglobins (GHb), also called glycohemoglobins, are substances formed when glucose binds to hemoglobin, and occur in amounts proportional to the concentration of serum glucose. Since red blood cells survive an average of 120 days, the measurement of GHb provides an index of a person's average blood glucose concentration (glycemia) during the preceding 2-3 months. Normally, only 4% to 6% of hemoglobin is bound to glucose, while elevated glycohemoglobin levels are seen in diabetes and other hyperglycemic states
- Mean Plasma Glucose(MPG): This Is Mathematical Calculations Where Glycated Hb Can Be Correlated With Daily Mean Plasma Glucose Level

Result rechecked and verified for abnormal cases

\*\*\* End Of Report \*\*\*

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Excellence In Health Care











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REPOR

Name: Mr. M S N MURTHYSample ID: 24753431Age/Gender: 72 Years/MaleReg. No: 0312311030011Referred by: Dr. S RAGHAVENDERSPP Code: SPL-CV-172

Referring Customer : V CARE MEDICAL DIAGNOSTICS Collected On : 03-Nov-2023 09:09 AM
Primary Sample : Whole Blood Received On : 03-Nov-2023 12:43 PM
Sample Tested In : Serum Reported On : 03-Nov-2023 01:27 PM

Client Address : Kimtee colony ,Gokul Nagar,Tarnaka Report Status : Final Report

CLINICAL BIOCHEMISTRY						
Test Name	Results	Units	Ref. Range	Method		

## TSH -Thyroid Stimulating Hormone 10.56 µIU/mL 0.35-5.5 CLIA

Pregnancy & Cord Blood					
		TSH (Thyroid Stimulating Hormone (μIU/mL)			
First Trimester	: 0.24-2.99				
Second Trimester: 0.46-2.95					
Third Trimester	: 0.43-2.78				
Cord Blood	: 2.3-13.2				

- TSH is synthesized and secreted by the anterior pituitary in response to a negative feedback mechanism involving concentrations of FT3 (free T3) and FT4 (free T4). Additionally, the hypothalamic tripeptide, thyrotropin-releasing hormone (TRH), directly stimulates TSH production.
- TSH interacts with specific cell receptors on the thyroid cell surface and exerts two main actions. The first action is to stimulate cell reproduction and hypertrophy. Secondly, TSH stimulates the thyroid gland to synthesize and secrete T3 and T4
- The ability to quantitate circulating levels of TSH is important in evaluating thyroid function. It is especially useful in the differential diagnosis of primary (thyroid) from secondary (pituitary) and tertiary (hypothalamus) hypothyroidism. In primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hypothyroidism, TSH levels are low
- TRH stimulation differentiates secondary and tertiary hypothyroidism by observing the change in patient TSH levels. Typically, the TSH response to TRH stimulation is absent in cases of secondary hypothyroidism, and normal to exaggerated in tertiary hypothyroidism
- Historically, TRH stimulation has been used to confirm primary hyperthyroidism, indicated by elevated T3 and T4 levels and low or undetectable TSH levels. TSH assays with increased sensitivity and specificity provide a primary diagnostic tool to differentiate hyperthyroid from euthyroid patients.

Result rechecked and verified for abnormal cases

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REPORT

Name : Mr. M S N MURTHY

Age/Gender : 72 Years/Male Referred by : Dr. S RAGHAVENDER

Referring Customer

: V CARE MEDICAL DIAGNOSTICS

Primary Sample : Whole Blood Sample Tested In : Serum

Client Address : Kimtee colony ,Gokul Nagar,Tarnaka

: 24753431 Sample ID

Reg. No : 0312311030011

SPP Code : SPL-CV-172

Collected On : 03-Nov-2023 09:09 AM

Received On : 03-Nov-2023 12:43 PM

Reported On : 03-Nov-2023 03:17 PM

Report Status : Final Report

# **CLINICAL BIOCHEMISTRY**

CENTIONE BIOGREFING TICE					
Test Name	Results	Units	Ref. Range	Method	
Lipid Profile					
Cholesterol Total	130	mg/dL	< 200	CHOD-POD	
Triglycerides-TGL	151	mg/dL	< 150	GPO-POD	
Cholesterol-HDL	42	mg/dL	40-60	Direct	
Cholesterol-LDL	57.8	mg/dL	< 100	Calculated	
Cholesterol- VLDL	30.2	mg/dL	7-35	Calculated	
Non HDL Cholesterol	88	mg/dL	< 130	Calculated	
Cholesterol : HDL Ratio	3.1	%	0-4.0	Calculated	
LDL:HDL Ratio	1.38	%	0-3.5	Calculated	

The National Cholesterol Education program's third Adult Treatment Panel (ATPIII) has issued its recommendations on evaluating and treating lipid discorders for primary and secondary.

NCEP Recommendations	Cholesterol Total in (mg/dL)	Trialveerides	HDL Cholesterol (mg/dL)	LDL Cholesterol	Non HDL Cholesterol in (mg/dL)
Optimal	Adult: < 200 Children: < 170	< 150	40-59	Adult:<100 Children: <110	<130
Above Optimal				100-129	130 - 159
Borderline High	Adult: 200-239 Children:171-199	150-199		Adult: 130-159 Children: 111-129	160 - 189
High	Adult:>or=240 Children:>or=200	200-499	≥ 60	Adult:160-189 Children:>or=130	190 - 219
Very High		>or=500		Adult: >or=190	>=220

Note: LDL cholesterol cannot be calculated if triglyceride is >400 mg/dL (Friedewald's formula). Calculated values not provided for LDL and VLDL

Correlate Clinically.

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\*\*\* End Of Report \*\*\*







