Sagepath Labs Pvt. Ltd.
Registered Office:- # Plot No. 564 , 1st floor , Buddhanagar ,
Near Sai Baba Temple Peerzadiguda Boduppal Hyderabad,
Telangana. ICMR Reg .No. SAPALAPVLHT (Covid -19)
Website:- www.sagepathlabs.com

REPORT

Name	: Mrs. MALIKA	Sample ID	: 24753666
Age/Gender	: 67 Years/Female	Reg. No	: 0312311150022
Referred by	: Dr. RADHIKA REDDY	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 15-Nov-2023 11:16 AM
Primary Sample	: Whole Blood	Received On	: 15-Nov-2023 12:19 PM
Sample Tested In	: Plasma-NaF(R)	Reported On	: 15-Nov-2023 01:30 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

CLINICAL BIOCHEMISTRY

GLUCOSE RANDOM (RBS)

Test Name	Results	Units	Ref. Range	Method
Glucose Random (RBS)	95	mg/dL	70-140	Hexokinase (HK)

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	> = 6.5	>=200(with symptoms)

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

- The random blood glucose if it is above 200 mg/dL and the patient has increased thirst, polyuria, and polyphagia, suggests diabetes mellitus.
- As a rule, two-hour glucose samples will reach the fasting level or it will be in the normal range.

*** End Of Report ***

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REPORT

Name	: Mrs. MALIKA	Sample ID	: 24753665
Age/Gender	: 67 Years/Female	Reg. No	: 0312311150022
Referred by	: Dr. RADHIKA REDDY	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 15-Nov-2023 11:16 AM
Primary Sample	: Whole Blood	Received On	: 15-Nov-2023 12:19 PM
Sample Tested In	: Whole Blood EDTA	Reported On	: 15-Nov-2023 12:32 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

CLINICAL BIOCHEMISTRY

Test Name	Results	Units	Ref. Range	Method
Glycated Hemoglobin (HbA1c)	6.3	%	Non Diabetic:< 5.7 Pre diabetic: 5.7-6.4 Diabetic:>= 6.5	HPLC
Mean Plasma Glucose	134.11	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

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REPORT

Name	: Mrs. MALIKA	Sample ID	: 24753675
Age/Gender	: 67 Years/Female	Reg. No	: 0312311150022
Referred by	: Dr. RADHIKA REDDY	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 15-Nov-2023 11:16 AM
Primary Sample	: Whole Blood	Received On	: 15-Nov-2023 12:13 PM
Sample Tested In	: Serum	Reported On	: 15-Nov-2023 03:34 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

CLINICAL BIOCHEMISTRY

Test Name	Results	Units	Ref. Range	Method
25 - Hydroxy Vitamin D	39.7	ng/mL	<20.0-Deficiency 20.0-<30.0-Insufficiency 30.0-100.0-Sufficiency >100.0-Potential Intoxication	CLIA

Interpretation:

- Vitamin D helps your body absorb calcium and maintain strong bones throughout your entire life. Your body produces vitamin D when the sun's UV rays contact your skin. Other good sources of the vitamin include fish, eggs, and fortified dairy products. It's also available as a dietary supplement.
- Vitamin D must go through several processes in your body before your body can use it. The first transformation occurs in the liver. Here, your body converts vitamin D to a chemical known as 25-hydroxyvitamin D, also called calcidiol.
- The 25-hydroxy vitamin D test is the best way to monitor vitamin D levels. The amount of 25-hydroxyvitamin D in your blood is a good indication of how much vitamin D your body has. The test can determine if your vitamin D levels are too high or too low.
- .The test is also known as the 25-OH vitamin D test and the calcidiol 25-hydroxycholecalcifoerol test. It can be an important indicator of osteoporosis (bone weakness) and rickets (bone malformation).

Those who are at high risk of having low levels of vitamin D include:

- people who don't get much exposure to the sun
- older adults
- people with obesity.
- dietary deficiency

Increased Levels:

- Vitamin D Intoxication

Method : CLIA

Vitamin- B12 (cyanocobalamin)	268.5	pg/mL	200-911	CLIA

Interpretation:
This test is most often done when other blood tests suggest a condition called megaloblastic anemia. Pernicious anemia is a form of megaloblastic anemia caused by poor vitamin B12 absorption. This can occur when the stomach makes less of the substance the body needs to properly absorb vitamin B12.
Causes of vitamin B12 deficiency include:Diseases that cause malabsorption

- Lack of intrinsic factor, a protein that helps the intestine absorb vitamin B12
- Above normal heat production (for example, with hyperthyroidism)

An increased vitamin B12 level is uncommon in:

- Liver disease (such as cirrhosis or hepatitis)
- Myeloproliferative disorders (for example, polycythemia vera and chronic myelogenous leukemia)

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Website:- www.sagepathlabs.com

REPORT

Name	: Mrs. MALIKA	Sample ID	: 24753675
Age/Gender	: 67 Years/Female	Reg. No	: 0312311150022
Referred by	: Dr. RADHIKA REDDY	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 15-Nov-2023 11:16 AM
Primary Sample	: Whole Blood	Received On	: 15-Nov-2023 12:13 PM
Sample Tested In	: Serum	Reported On	: 15-Nov-2023 03:22 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

CLINICAL BIOCHEMISTRY

Test Name	Results	Units	Ref. Range	Method
Lipid Profile				
Cholesterol Total	194	mg/dL	< 200	CHOD-POD
Triglycerides-TGL	85	mg/dL	< 150	GPO-POD
Cholesterol-HDL	40	mg/dL	40-60	Direct
Cholesterol-LDL	**137**	mg/dL	< 100	Calculated
Cholesterol- VLDL	17	mg/dL	7-35	Calculated
Non HDL Cholesterol	**154**	mg/dL	< 130	Calculated
Cholesterol Total /HDL Ratio	**4.85**	%	0-4.0	Calculated
HDL / LDL Ratio	0.29			
LDL/HDL Ratio	3.43	%	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)	Triglycerides in (mg/dL)	HDL Cholesterol (mg/dL)	LDL Cholesterol in (mg/dL)	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.

Result rechecked and verified for abnormal cases
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