

REPORT

Name	: Mr. RAMESH	Sample ID	: 24864201, 24864202, 248642
Age/Gender	: 46 Years/Male	Reg. No	: 0312404190004
Referred by	: Dr. DILEEP KANDAR	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 19-Apr-2024 08:18 AM
Primary Sample	: Whole Blood	Received On	: 19-Apr-2024 12:49 PM
Sample Tested In	: Plasma-NaF(F), Plasma-NaF(PP),	Reported On	: 19-Apr-2024 01:23 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

CLINICAL BIOCHEMISTRY

Test Name	Results	Units	Ref. Range	Method
Glucose Fasting (F)	119	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	>= 6.5	>=200(with symptoms)

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

Glucose Post Prandial (PP)	188	mg/dL	70-140	Hexokinase (HK)
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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.

Glycated Hemoglobin (HbA1c)	7.8	%	Non Diabetic:< 5.7 Pre diabetic: 5.7-6.4 Diabetic:>= 6.5	HPLC
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Mean Plasma Glucose	177.16	mg/dL		Calculated
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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

*** End Of Report ***



Dr. Vaishnavi
**DR. VAISHNAVI
MD BIOCHEMISTRY**

Correlate Clinically.

Result rechecked and verified for abnormal cases
Laboratory is NABL Accredited