

: Serum

Sagepath Labs Pvt. Ltd.

Lab Address:- # Plot No. 564, 1st floor, Buddhanagar, Near Sai Baba Temple Peerzadiguda Boduppal Hyderabad, Telangana. ICMR Reg .No. SAPALAPVLHT (Covid -19)

: 11-Feb-2024 06:14 PM

REPORT

Name : Mr. P B N SWAMY Sample ID : A0013406 Age/Gender : 0312402110032 : 62 Years/Male Reg. No : Dr. MANASA SHESHI KUMAR Referred by SPP Code : SPL-CV-172

Referring Customer : V CARE MEDICAL DIAGNOSTICS : 11-Feb-2024 10:38 AM Collected On

Primary Sample : Whole Blood Received On : 11-Feb-2024 03:17 PM Sample Tested In

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

CLINICAL BIOCHEMISTRY							
Test Name Results Units Ref. Range Method							
Creatine PhosphoKinase (CPK)	106	U/L	38-174	IFCC			

Reported On

Interpretation:

Creatine PhosphoKinase (CPK)

- Creatine phosphokinase (CPK) is an enzyme in the body. It is found mainly in the heart, brain, and skeletal muscle.
- When the total CPK level is very high, it most often means there has been injury or stress to muscle tissue, the heart, or the brain. Muscle tissue injury is most likely. When a muscle is damaged, CPK leaks into the bloodstream. Finding which specific form of CPK is high helps determine which tissue has been damaged.
- The level is normal in neurogenic muscular diseases like myasthenia gravis, multiple sclerosis, poliomyelitis, and Parkinson's disease.











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REPORT

 Name
 : Mr. P B N SWAMY
 Sample ID
 : A0013408, A0013409

 Age/Gender
 : 62 Years/Male
 Reg. No
 : 0312402110032

Referred by : Dr. MANASA SHESHI KUMAR SPP Code : SPL-CV-172

Referring Customer : V CARE MEDICAL DIAGNOSTICS Collected On : 11-Feb-2024 10:38 AM Primary Sample : Whole Blood Received On : 11-Feb-2024 03:17 PM

Primary Sample : Whole Blood Received On : 11-Feb-2024 03:17 PM Sample Tested In : Plasma-NaF(F), Plasma-NaF(PP) Reported On : 11-Feb-2024 04:25 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) 110 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) 130 mg/dL 70-140 Hexokinase (HK)

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
- $\bullet~$ 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 ***

Laboratory is NABL Accredited







DR.VAISHNAVI MD BIOCHEMISTRY



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

CLINICAL BIOCHEMISTRY					
Test Name	Results	Units	Ref. Range	Method	
Glycated Hemoglobin (HbA1c)	6.0	%	Non Diabetic: < 5.7 Pre diabetic: 5.7-6.4 Diabetic: >= 6.5	HPLC	
Mean Plasma Glucose	125.5	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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*** End Of Report ***

Excellence In Health Care











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Referring Customer : V CARE MEDICAL DIAGNOSTICS Collected On : 11-Feb-2024 10:38 AM

Primary Sample : Whole Blood Received On : 11-Feb-2024 03:17 PM Sample Tested In : Serum Reported On : 11-Feb-2024 05:54 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	145	mg/dL	< 200	CHOD-POD		
Triglycerides-TGL	146	mg/dL	< 150	GPO-POD		
Cholesterol-HDL	42	mg/dL	40-60	Direct		
Cholesterol-LDL	73.8	mg/dL	< 100	Calculated		
Cholesterol- VLDL	29.2	mg/dL	7-35	Calculated		
Non HDL Cholesterol	103	mg/dL	< 130	Calculated		
Cholesterol Total /HDL Ratio	3.45	%	0-4.0	Calculated		
HDL / LDL Ratio	0.57					
LDL/HDL Ratio	1.76	%	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)	Irialveerides	HDL Cholesterol (mg/dL)	LDL Cholesterol	Non HDL Cholesterol in (mg/dL)
()ntimal	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











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CLINICAL BIOCHEMISTRY						
Test Name	Results	Units	Ref. Range	Method		
Electrolyte Profile-Serum						
Sodium	140	mmol/L	136-145	ISE Direct		
Potassium	3.5	mmol/L	3.5-5.1	ISE Direct		
Chloride	98	mmol/L	98-108	ISE Direct		

Clinical significance:

- · Prevents dehydration.
- Maintain the acid-base balance (body pH).
- Maintain the osmotic pressure.
- Body working normally.
- It regulates heart rhythm.
- Regulate muscle contractions.
- Help the brain function.
- · Cells can generate energy.

Note:Separate serum or plasma from cells within 45 minutes of collection; avoid hemolysis.

Correlate Clinically.

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*** End Of Report ***







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