

**REPORT**

Name	: Mr. RAKESH KUMAR	Sample ID	: A0286734
Age/Gender	: 47 Years/Male	Reg. No	: 0312405140008
Referred by	: Dr. GOKUL REDDY	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 14-May-2024 09:41 AM
Primary Sample	: Whole Blood	Received On	: 14-May-2024 11:36 AM
Sample Tested In	: Whole Blood EDTA	Reported On	: 14-May-2024 11:43 AM
Client Address	: Kimtee colony ,Gokul Nagar, Tarnaka	Report Status	: Final Report

**HAEMATOLOGY**

Test Name	Results	Units	Ref. Range	Method
<b>Complete Blood Picture(CBP)</b>				
Haemoglobin (Hb)	13.7	g/dL	13-17	Cynmeth Method
Haematocrit (HCT)	42.6	%	40-50	Calculated
RBC Count	<b>4.38</b>	10 <sup>12</sup> /L	4.5-5.5	Cell Impedence
MCV	97	fl	81-101	Calculated
MCH	31.4	pg	27-32	Calculated
MCHC	<b>32.2</b>	g/dL	32.5-34.5	Calculated
RDW-CV	<b>14.9</b>	%	11.6-14.0	Calculated
Platelet Count (PLT)	190	10 <sup>9</sup> /L	150-410	Cell Impedence
Total WBC Count	7.0	10 <sup>9</sup> /L	4.0-10.0	Impedence
<b>Differential Leucocyte Count (DC)</b>				
Neutrophils	50	%	40-70	Cell Impedence
Lymphocytes	40	%	20-40	Cell Impedence
Monocytes	06	%	2-10	Microscopy
Eosinophils	04	%	1-6	Microscopy
Basophils	00	%	1-2	Microscopy
Absolute Neutrophils Count	3.5	10 <sup>9</sup> /L	2.0-7.0	Impedence
Absolute Lymphocyte Count	2.8	10 <sup>9</sup> /L	1.0-3.0	Impedence
Absolute Monocyte Count	0.42	10 <sup>9</sup> /L	0.2-1.0	Calculated
Absolute Eosinophils Count	0.28	10 <sup>9</sup> /L	0.02-0.5	Calculated
Absolute Basophil ICount	0.00	10 <sup>9</sup> /L	0.0-0.3	Calculated
Morphology	Normocytic normochromic blood picture.			PAPs Staining



Swarnabala - M  
DR.SWARNA BALA  
MD PATHOLOGY

**REPORT**

Name	: Mr. RAKESH KUMAR	Sample ID	: A0286735, A0286736, A02867
Age/Gender	: 47 Years/Male	Reg. No	: 0312405140008
Referred by	: Dr. GOKUL REDDY	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 14-May-2024 09:41 AM
Primary Sample	: Whole Blood	Received On	: 14-May-2024 11:52 AM
Sample Tested In	: Plasma-NaF(F), Plasma-NaF(PP),	Reported On	: 14-May-2024 12:42 PM
Client Address	: Kimtee colony ,Gokul Nagar, Tarnaka	Report Status	: Final Report

**CLINICAL BIOCHEMISTRY**

Test Name	Results	Units	Ref. Range	Method
<b>Glucose Fasting (F)</b>	98	mg/dL	70-100	GOD-POD

Interpretation of Plasma Glucose based on ADA guidelines 2018

Diagnosis	Fasting Plasma Glucose(mg/dL)	2hrs Plasma 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

<b>Glucose Post Prandial (PP)</b>	106	mg/dL	70-140	Hexokinase (HK)
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Interpretation of Plasma Glucose based on ADA guidelines 2018

Diagnosis	Fasting Plasma Glucose(mg/dL)	2hrs Plasma 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

- 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.

<b>Glycated Hemoglobin (HbA1c)</b>	6.1	%	Non Diabetic:< 5.7 Pre diabetic: 5.7-6.4 Diabetic:>= 6.5	HPLC
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<b>Mean Plasma Glucose</b>	128.37	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

Result rechecked and verified for abnormal cases

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

Laboratory is NABL Accredited



*Dr. Vaishnavi*  
DR. VAISHNAVI  
MD BIOCHEMISTRY

**REPORT**

Name	: Mr. RAKESH KUMAR	Sample ID	: A0286733
Age/Gender	: 47 Years/Male	Reg. No	: 0312405140008
Referred by	: Dr. GOKUL REDDY	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 14-May-2024 09:41 AM
Primary Sample	: Whole Blood	Received On	: 14-May-2024 11:52 AM
Sample Tested In	: Serum	Reported On	: 14-May-2024 12:21 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

**CLINICAL BIOCHEMISTRY**

Test Name	Results	Units	Ref. Range	Method
<b>Lipid Profile</b>				
Cholesterol Total	160	mg/dL	< 200	CHOD-POD
Triglycerides-TGL	<b>186</b>	mg/dL	< 150	GPO-POD
Cholesterol-HDL	42	mg/dL	40-60	Direct
Cholesterol-LDL	80.8	mg/dL	< 100	Calculated
Cholesterol- VLDL	<b>37.2</b>	mg/dL	7-35	Calculated
Non HDL Cholesterol	118	mg/dL	< 130	Calculated
Cholesterol Total /HDL Ratio	3.81	%	0-4.0	Calculated
HDL / LDL Ratio	0.52			
LDL/HDL Ratio	1.92	%	0-3.5	Calculated

The National Cholesterol Education program's third Adult Treatment Panel (ATPIII) has issued its recommendations on evaluating and treating lipid disorders 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	<b>≥ 60</b>	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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\*\*\* End Of Report \*\*\*



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