

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

REPORT				
Name	: Mr. AJAY KUMAR REDDY	Sample ID	: A0590075	
Age/Gender	: 54 Years/Male	Reg. No	: 0312406270030	
Referred by	: Dr. SELF	SPP Code	: SPL-CV-172	
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 27-Jun-2024 09:18 AM	
Primary Sample	: Whole Blood	Received On	: 27-Jun-2024 12:42 PM	
Sample Tested In	: Whole Blood EDTA	Reported On	: 27-Jun-2024 01:48 PM	
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report	
-				

HAEMATOLOGY **HEALTH PROFILE A-2 PACKAGE** Test Name Results Units Ref. Range Method COMPLETE BLOOD COUNT (CBC) Haemoglobin (Hb) 12.9 g/dL Cynmeth Method 13-17 **RBC Count** 10^12/L Cell Impedence 4.27 4.5-5.5 Haematocrit (HCT) 38.2 % 40-50 Calculated MCV 90 fl 81-101 Calculated MCH 30.2 27-32 Calculated pg MCHC 33.7 g/dL 32.5-34.5 Calculated **RDW-CV** Calculated % 11.6-14.0 13.0 Platelet Count (PLT) 158 10^9/L 150-410 Cell Impedance **Total WBC Count** 10^9/L 4.0-10.0 6.0 Impedance **Neutrophils** 64 % 40-70 Cell Impedence 10^9/L **Absolute Neutrophils Count** 3.84 2.0-7.0 Impedence 28 % 20-40 Cell Impedence Lymphocytes Absolute Lymphocyte Count 10^9/L 1.68 1.0-3.0 Impedence 05 % 2-10 Microscopy Monocytes **Absolute Monocyte Count** 0.3 10^9/L 0.2-1.0 Calculated **Eosinophils** 03 % 1-6 Microscopy **Absolute Eosinophils Count** 0.18 10^9/L 0.02-0.5 Calculated **Basophils** 0 % 1-2 Microscopy **Absolute Basophil ICount** 0.00 10^9/L 0.0-0.3 Calculated Atypical cells / Blasts 0 % Morphology WBC Within normal limits. RBC Normocytic normochromic blood picture **Platelets** Adequate Microscopy Result rechecked and verified for abnormal cases

*** End Of Report ***

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Erythrocyte Sedimentation Rate (ESR)

Sagepath Labs Pvt. Ltd.

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Westergren method

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Primary Sample	: Whole Blood	Received On	: 27-Jun-2024 12:42 PM	
Sample Tested In	: Whole Blood EDTA	Reported On	: 27-Jun-2024 02:17 PM	
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HAEMATOLOGY					
HEALTH PROFILE A-2 PACKAGE					
Test Name	Results	Units	Ref. Range	Method	

Comments : ESR is an acute phase reactant which indicates presence and intensity of an inflammatory process. It is never diagnostic of a specific disease. It is used to monitor the course or response to treatment of certain diseases. Extremely high levels are found in cases of malignancy, hematologic diseases, collagen disorders and renal diseases.

12 or less

11



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REPORT				
Name	: Mr. AJAY KUMAR REDDY	Sample ID	: A0590076, A0590074	
Age/Gender	: 54 Years/Male	Reg. No	: 0312406270030	
Referred by	: Dr. SELF	SPP Code	: SPL-CV-172	
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 27-Jun-2024 09:18 AM	
Primary Sample	: Whole Blood	Received On	: 27-Jun-2024 12:42 PM	
Sample Tested In	: Plasma-NaF(F), Plasma-NaF(PP)	Reported On	: 27-Jun-2024 03:51 PM	
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report	
	CLINICAL BIOCHEN	<i>M</i> ISTRY		

DOSE INFOSYSTEMS PVT. LTD.

		GLUCOSE P			(<i>'</i>	
est Name		Results	Units	i	Ref. Range	Method
lucose Fa	sting (F)	154	mg/d	L	70-100	Hexokinase
Interpretation of	Plasma Glucose based on ADA guideline	s 2018				
Diagnosis	FastingPlasma Glucose(mg/dL)	2hrsPlasma Glucose(r	ng/dL)	HbA1c(%)	RBS(mg/dL)	
Prediabetes	100-125	140-199		5.7-6.4	NA	
Diabetes	> = 126	> = 200		> = 6.5	>=200(with symptoms)	
	Dest Prandial (PP) f Plasma Glucose based on ADA guidelin	169 es 2018	mg/d	L	70-140	Hexokinase (HK)
Diagnosis	FastingPlasma Glucose(mg/dL)	2hrsPlasma Glucose(mg	J/dL)	HbA1c(%)	RBS(mg/dL)	
Diagnosis		1 40 400		5.7-6.4	NA	
Prediabetes	100-125	140-199				
	>= 126	> = 200		> = 6.5	>=200(with symptoms)	

Advise HbA1c for further evaluation.

Result rechecked and verified for abnormal cases

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BIOCHEMISTRY



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

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Primary Sample	: Whole Blood	Received On	: 27-Jun-2024 12:42 PM
Sample Tested In	: Whole Blood EDTA	Reported On	: 27-Jun-2024 04:43 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

	CLINIC	AL BIOCHE	MISTRY		
HEALTH PROFILE A-2 PACKAGE					
Test Name	Results	Units	Ref. Range	Method	
Glycated Hemoglobin (HbA1c)	9.1	%	Non Diabetic:< 5.7 Pre diabetic: 5.7-6.4	HPLC	
Mean Plasma Glucose	214.47	mg/dL	Diabetic:>= 6.5	Calculated	

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

NOTE: The above Given Risk Level Interpretation is not age specific and is an information resource only and is not to be used or relied on for any diagnostic or treatment purposes and should not be used as a substitute for professional diagnosis and treatment. Kindly Correlate clinically.

INTERPRETATION

Average Blood Glucose(eAG) (mg/dL)	Level of Control	Hemoglobin A1c (%)	HbA1c values of 5.0- 6.5 percent indicate good control or an increase risk for developing diabetes mellitus. HbA1c values greater than 6. percent are diagnostic of diabetes mellitus. Diagnosis should b confirmed by repeating the HbA1c test.
421		14%	commed by repeating the HDATC test.
386	_ A _	13%	
350	L	12%	
314	E	11%	
279	R	10%	
243		9%	
208		8%	
172	POOR	7%	
136	GOOD	6%	
101	EXCELLENT	5%	

NOTE: Hb F higher than 10 percent of total Hb may yield falsely low results. Conditions that shorten red cell survival, such as the presence of unstable hemoglobins like Hb SS, Hb CC, and Hb SC, or other causes of hemolytic anemia may yield falsely low results. Iron deficiency anemia may yield falsely high results.

Result rechecked and verified for abnormal cases

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Age/Gender	: 54 Years/Male	Reg. No	: 0312406270030
Referred by	: Dr. SELF	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 27-Jun-2024 09:18 AM
Primary Sample	: Whole Blood	Received On	: 27-Jun-2024 12:42 PM
Sample Tested In	: Serum	Reported On	: 27-Jun-2024 02:59 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

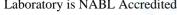
CLINICAL BIOCHEMISTRY HEALTH PROFILE A-2 PACKAGE				
Calcium	9.3	mg/dL	8.5-10.1	Arsenazo

• Calcium in the body is found mainly in the bones (approximately 99%). In serum, Calcium exists in a free ionised form and in bound form (with Albumin). Hence, a decrease in Albumin causes lower Calcium levels and vice-versa.

- Calcium levels in serum depend on the Parathyroid Hormone.
- · Increased Calcium levels are found in Bone tumors, Hyperparathyroidism. decreased levels are found in Hypoparathyroidism, renal failure, Rickets.

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				-

CLINICAL BIOCHEMISTRY HEALTH PROFILE A-2 PACKAGE

IDOSE INFOSYSTEMS PVT. LTD.

Test Name	Results	Units	Ref. Range	Method	
Lipid Profile					
Cholesterol Total	95	mg/dL	< 200	CHOD-POD	
Triglycerides-TGL	74	mg/dL	< 150	GPO-POD	
Cholesterol-HDL	48	mg/dL	40-60	Direct	
Cholesterol-LDL	32.2	mg/dL	< 100	Calculated	
Cholesterol- VLDL	14.8	mg/dL	7-35	Calculated	
Non HDL Cholesterol	47	mg/dL	< 130	Calculated	
Cholesterol Total /HDL Ratio	1.98	%	0-4.0	Calculated	
HDL / LDL Ratio	1.49				
LDL/HDL Ratio	0.67	%	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)	Trialvcerides	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
HIAN	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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BIOCHEMISTRY

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CLINICAL BIOCHEMISTRY HEALTH PROFILE A-2 PACKAGE Test Name Results Units Ref. Range Method **Kidney Profile-KFT** Creatinine -Serum 1.16 mg/dL 0.70-1.30 Sarcosine oxidase Urea-Serum 34.2 mg/dL 12.8-42.8 Glutamate dehydrogenase+Calculation Blood Urea Nitrogen (BUN) Calculated 16 mg/dL 7.0-18.0 BUN / Creatinine Ratio 6 - 22 13.79 Uric Acid 4.73 3.5-7.2 mg/dL Uricase Sodium 138 mmol/L 136-145 **ISE Direct** Potassium 3.7 mmol/L 3.5-5.1 **ISE Direct** Chloride 100 98-108 **ISE** Direct mmol/L

Interpretation:

• The kidneys, located in the retroperitoneal space in the abdomen, are vital for patient health. They process several hundred liters of fluid a day and remove around two liters of waste products from the bloodstream. The volume of fluid that passes though the kidneys each minute is closely linked to cardiac output. The kidneys maintain the body's balance of water and concentration of minerals such as sodium, potassium, and phosphorus in blood and remove waste by-products from the blood after digestion, muscle activity and exposure to chemicals or medications. They also produce renin which helps regulate blood pressure, produce erythropoietin which stimulates red blood cell production, and produce an active form of vitamin D, needed for bone health.

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CLINICAL BIOCHEMISTRY HEALTH PROFILE A-2 PACKAGE Test Name Results Units Ref. Range Method Liver Function Test (LFT) Bilirubin(Total) 0.6 mg/dL 0.3-1.2 Diazo Bilirubin (Direct) 0.2 mg/dL 0.0 - 0.2 Diazo Bilirubin (Indirect) mg/dL 0.2-1.0 Calculated 0.4 Aspartate Aminotransferase (AST/SGOT) U/L 5-40 IFCC with out (P-5-P) 18 Alanine Aminotransferase (ALT/SGPT) IFCC with out (P-5-P) 22 U/L 0-55 **Kinetic PNPP-AMP** Alkaline Phosphatase(ALP) 72 U/L 30-120 IFCC Gamma Glutamyl Transpeptidase (GGTP) 34 U/L 15-85 Protein - Total 6.9 g/dL 6.4-8.2 Biuret Albumin 3.4-5.0 Bromocresol Green (BCG) 4.3 g/dL Globulin g/dL 2.0-4.2 Calculated 2.6 A:G Ratio 1.65 0.8-2.0 Calculated % SGOT/SGPT Ratio 0.82

Alanine Aminotransferase(ALT) is an enzyme found in liver and kidneys cells. ALT helps create energy for liver cells. Damaged liver cells release ALT into the bloodstream, which can elevate ALT levels in the blood.

Aspartate Aminotransferase (AST) is an enzyme in the liver and muscles that helps metabolizes amino acids. Similarly to ALT, elevated AST levels may be a sign of liver damage or liver disease.

Alkaline phosphate (ALP) is an enzyme present in the blood. ALP contributes to numerous vital bodily functions, such as supplying nutrients to the liver, promoting bone growth, and metabolizing fat in the intestines.

Gamma-glutamyl Transpeptidase (GGTP) is an enzyme that occurs primarily in the liver, but it is also present in the kidneys, pancreas, gallbladder, and spleen. Higher than normal concentrations of GGTP in the blood may indicate alcohol-related liver damage. Elevated GGTP levels can also increase the risk of developing certain types of cancer.

Bilirubin is a waste product that forms when the liver breaks down red blood cells. Bilirubin exits the body as bile in stool. High levels of bilirubin can cause jaundice - a condition in which the skin and whites of the eyes turn yellow- and may indicate liver damage.

Albumin is a protein that the liver produces. The liver releases albumin into the bloodstream, where it helps fight infections and transport vitamins, hormones, and enzymes throughout the body. Liver damage can cause abnormally low albumin levels.

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Referr	ed by	: Dr. SELF	SPP Code	: SPL-CV-172
Referr	ing Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 27-Jun-2024 09:18 AM
Prima	ry Sample	: Whole Blood	Received On	: 27-Jun-2024 12:42 PM
Samp	le Tested In	: Serum	Reported On	: 27-Jun-2024 02:59 PM
Client	Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

CLINICAL BIOCHEMISTRY					
	HEALTH P	ROFILE A-2	PACKAGE		
Test Name	Results	Units	Ref. Range	Method	
Thyroid Profile-I(TFT)					
T3 (Triiodothyronine)	99.66	ng/dL	40-181	CLIA	
T4 (Thyroxine)	11.0	µg/dL	3.2-12.6	CLIA	
TSH -Thyroid Stimulating Hormone	4.23	µIU/mL	0.35-5.5	CLIA	

_	-			
Pregnancy	æ	Cord 1	Blood	

T3 (Triiodothyronin	ne):	T4 (Thyroxine)	TSH (Thyroid Stimulating Hormone)
First Trimester	: 81-190 ng/dL	15 to 40 weeks:9.1-14.0 µg/dL	First Trimester : 0.24-2.99 µIU/mL
Second&Third Trime	ester :100-260 ng/dL		Second Trimester: 0.46-2.95 µIU/mL
			Third Trimester : 0.43-2.78 µIU/mL
Cord Blood: 30-70 n	g/dL	Cord Blood: 7.4-13.0 µg/dL	Cord Blood: : 2.3-13.2 µIU/mL

Interpretation:

- Thyroid gland is a butterfly-shaped endocrine gland that is normally located in the lower front of the neck. The thyroid's job is to make thyroid hormones, which are secreted into the blood and then carried to every tissue in the body. Thyroid hormones help the body use energy, stay warm and keep the brain, heart, muscles, and other organs working as they should.
- Thyroid produces two major hormones: triiodothyronine (T3) and thyroxine (T4). If thyroid gland doesn't produce enough of these hormones, you may experience symptoms such as weight gain, lack of energy, and depression. This condition is called hypothyroidism.
- Thyroid gland produces too many hormones, you may experience weight loss, high levels of anxiety, tremors, and a sense of being on a high. This is called hyperthyroidism.
- 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.





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Name	:	Mr. AJAY KUMAR REDDY	
Age/Gender	:	54 Years/Male	
Referred by	:	Dr. SELF	
Referring Customer	:	V CARE MEDICAL DIAGNOSTICS	
Primary Sample	:	Whole Blood	
Sample Tested In	:	Serum	
Client Address	:	Kimtee colony ,Gokul Nagar,Tarr	naka

Sample ID : A0590073 Reg. No : 0312406270030 SPP Code : SPL-CV-172 Collected On : 27-Jun-2024 09:18 AM Received On : 27-Jun-2024 12:42 PM Reported On : 27-Jun-2024 02:59 PM **Report Status** : Final Report

CLINICAL BIOCHEMISTRY					
	HEALTH	PROFILE A	A-2 PACKAGE		
Test Name Results Units Ref. Range Method					
Iron Profile-I					
Iron(Fe)	93	µg/dL	65-175	Ferene	
Total Iron Binding Capacity (TIBC)	379	µg/dL	250-450	Ferene	
Transferrin	265.03	mg/dL	215-365	Calculated	
Iron Saturation((% Transferrin Saturation)	24.54	%	20-50	Calculated	
Unsaturated Iron Binding Capacity (UIBC)	286	µg/dL	110 - 370	FerroZine	

REPORT

Interpretation:

• Serum transferrin (and TIBC) high, serum iron low, saturation low. Usual causes of depleted iron stores include blood loss, inadequate dietary iron. RBCs in moderately severe iron deficiency are hypochromic and microcytic. Stainable marrow iron is absent. Serum ferritin decrease is the earliest indicator of iron deficiency if inflammation is absent

• Anemia of chronic disease: Serum transferrin (and TIBC) low to normal, serum iron low, saturation low or normal. Transferrin decreases with many inflammatory diseases. With chronic disease there is a block in movement to and utilization of iron by marrow. This leads to low serum iron and decreased erythropoiesis. Examples include acute and chronic infections, malignancy and renal failure.

• Sideroblastic Anemia: Serum transferrin (and TIBC) normal to low, serum iron normal to high, saturation high.

• Hemolytic Anemia: Serum transferrin (and TIBC) normal to low, serum iron high, saturation high.

Hemochromatosis: Serum transferrin (and TIBC) slightly low, serum iron high, saturation very high

• Protein depletion: Serum transferrin (and TIBC) may be low, serum iron normal or low (if patient also is iron deficient). This may occur as a result of malnutrition, liver disease, renal disease

• Liver disease: Serum transferrin variable; with acute viral hepatitis, high along with serum iron and ferritin. With chronic liver disease (eg, cirrhosis), transferrin may be low. Patients who have cirrhosis and portacaval shunting have saturated TIBC/transferrin as well as high ferritin.





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Name	: Mr. AJAY KUMAR REDDY
Age/Gender	: 54 Years/Male
Referred by	: Dr. SELF
Referring Customer	: V CARE MEDICAL DIAGNOSTICS
Primary Sample	:
Sample Tested In	: Urine
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka

REPORT -

Sample ID	:	A0643505
Reg. No	:	0312406270030
SPP Code	:	SPL-CV-172
Collected On	:	27-Jun-2024 09:18 AM
Received On	:	27-Jun-2024 12:43 PM
Reported On	:	27-Jun-2024 04:22 PM
Report Status	:	Final Report

HEALTH PROFILE A-2 PACKAGE						
Test Name	Results	Units	Ref. Range	Method		
Complete Urine Analysis (CUE)						
Physical Examination						
Colour	Colour less	3	Straw to light amber			
Appearance	Clear		Clear			
Chemical Examination						
Glucose	(+)		Negative	Strip Reflectance		
Protein	Absent		Negative	Strip Reflectance		
Bilirubin (Bile)	Negative		Negative	Strip Reflectance		
Urobilinogen	Negative		Negative	Ehrlichs reagent		
Ketone Bodies	Negative		Negative	Strip Reflectance		
Specific Gravity	1.015		1.000 - 1.030	Strip Reflectance		
Blood	Negative		Negative	Strip Reflectance		
Reaction (pH)	6.0		5.0 - 8.5	Reagent Strip Reflectance		
Nitrites	Negative		Negative	Strip Reflectance		
Leukocyte esterase	Negative		Negative	Reagent Strip Reflectance		
Microscopic Examination (Microscopy)						
PUS(WBC) Cells	03-04	/hpf	00-05	Microscopy		
R.B.C.	Nil	/hpf	Nil	Microscopic		
Epithelial Cells	01-02	/hpf	00-05	Microscopic		
Casts	Absent		Absent	Microscopic		
Crystals	Absent		Absent	Microscopic		
Bacteria	Nil		Nil			
Budding Yeast Cells	Nil		Absent	Microscopy		

Correlate Clinically.

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