

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)

LABORATORY TEST REPORT

Name	: Mr. GAGANDEEP SINGH		
Sample ID	: A1309092		
Age/Gender	: 36 Years/Male	Reg. No	: 0312501080005
Referred by	: Dr. SELF	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 08-Jan-2025 08:43 AM
Primary Sample	: Whole Blood	Received On	: 08-Jan-2025 12:35 PM
Sample Tested In	: Whole Blood EDTA	Reported On	: 08-Jan-2025 12:54 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

HAEMATOLOGY

		ROFILE A-3					
Test Name	Results	Units	Biological Reference Interval				
COMPLETE BLOOD COUNT (CBC)							
Haemoglobin (Hb) Method: Cynmeth Method)	15.3	g/dL	13-17				
RBC Count (Method: Cell Impedence)	5.12	10^12/L	4.5-5.5				
	48.3	%	40-50				
(Method: Calculated)	94	fl	81-101				
MCH (Method: Calculated)	29.9	pg	27-32				
(Method: Calculated)	<u>31.7</u>	g/dL	32.5-34.5				
RDW-CV (Method: Calculated)	12.8	%	11.6-14.0				
Platelet Count (PLT) (Method: Cell Impedance)	262	10^9/L	150-410				
Total WBC Count Method: Impedance)	6.0	10^9/L	4.0-10.0				
Neutrophils (Method: Cell Impedence)	68	%	40-70				
	4.08	10^9/L	2.0-7.0				
Lymphocytes (Method: Cell Impedence)	27	%	20-40				
Absolute Lymphocyte Count	1.62	10^9/L	1.0-3.0				
Monocytes (Method: Microscopy)	03	%	2-10				
	<u>0.18</u>	10^9/L	0.2-1.0				
	02	%	1-6				
	0.12	10^9/L	0.02-0.5				
Basophils	00	%	1-2				
	0.00	10^9/L	0.0-0.3				
Morphology							
WBC	Within Nor	mal Limits					
RBC	Normocytic	c normochromic	blood picture.				
Platelets (Methad: Microscopy)	Adequate.						

*** End Of Report ***





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Primary Sample	: Whole Blood	Received On	: 08-Jan-2025 12:35 PM
Sample Tested In	: Whole Blood EDTA	Reported On	: 08-Jan-2025 01:40 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

HAEMATOLOGY				
HEALTH PROFILE A-3 PACKAGE				
Test Name	Results	Units	Biological Reference Interval	
Erythrocyte Sedimentation Rate (ESR)	8	mm/hr	10 or less	

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.



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LABORATORY TEST REPORT

		LABOR	ATORY TES	T REPORT	
Name	: Mr. GAGANDEEP SI	NGH			
Sample ID	: A1309081				
Age/Gender	: 36 Years/Male			Reg. No	: 0312501080005
Referred by	: Dr. SELF			SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL D	DIAGNOSTICS		Collected On	: 08-Jan-2025 08:43 AM
Primary Sample Sample Tested In	: : Urine			Received On Reported On	: 08-Jan-2025 12:52 PM : 08-Jan-2025 01:46 PM
Client Address		: urine : Kimtee colony ,Gokul Nagar,Tarnaka		Report Status	: Final Report
		¥		-	
				3 PACKAGE	
Test Name		Results	Units	Biological Refere	ence Interval
Physical Examina Colour Appearance	-	Pale Yello HAZY	W	Straw to light amb	per
Appearance		HAZY		Clear	
Chemical Examination	ation				
Glucose (Method: Strip Reflectance)		Negative		Negative	
Protein (Method: Strip Reflectance)		Negative		Negative	
(Method: Strip Reflectance) Bilirubin (Bile) (Method: Strip Reflectance)		Negative		Negative	
Urobilinogen		Negative		Negative	
(Method: Strip Reflectance)		Negative		Negative	
Specific Gravity		1.015		1.000 - 1.030	
(Method: Strip Reflectance)		Negative		Negative	
Reaction (pH) (Method: Reagent Strip Reflectance)		6.0		5.0 - 8.5	
Nitrites (Method: Strip Reflectance)		Negative		Negative	
Leukocyte esterase (Method: Reagent Strip Reflectance)		Negative		Negative	
Microscopic Exam	nination (Microscopy)				
PUS(WBC) Cells (Method: Microscopy)		03-04	/hpf	00-05	
(Method: Microscopic)		Nil	/hpf	Nil	

copic)

Budding Yeast Cells

Epithelial Cells

Casts

Crystals

Bacteria

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Note : This report is subject to the terms and conditions overleaf. Partial Reproduction of this report is not Permitted

/hpf

00-05

Absent

Absent

Absent

Nil

02-03

Absent

Absent

Nil

Nil



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Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 08-Jan-2025 08:43 AM
Primary Sample	: Whole Blood	Received On	: 08-Jan-2025 12:52 PM
Sample Tested In	: Plasma-NaF(F)	Reported On	: 08-Jan-2025 01:42 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

		CLINICA	AL BIOC	CHEMIS	TRY	
		HEALTH PR	ROFILE	A-3 PA	CKAGE	
Test Name		Results	Units	i	Biological Reference	e Interval
Glucose Fa (Method: Hexokinase)		84	mg/d	L	70-100	
Interpretation of H	Plasma Glucose based on ADA guidelines	2018				_
Diagnosis	FastingPlasma Glucose(mg/dL)	2hrsPlasma Glucos	e(mg/dL)	HbA1c(%)	RBS(mg/dL)	
Prediabetes	100-125	140-199		5.7-6.4	NA	
Diabetes	> = 126	> = 200		>-65	>=200(with symptoms)	

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

> = 126

ITDOSE INFOSYSTEMS PVT. LTD.

Diabetes

*** End Of Report ***

> = 200

> = 6.5







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Primary Sample	: Whole Blood	Received On	: 08-Jan-2025 12:52 PM
Sample Tested In	: Whole Blood EDTA	Reported On	: 08-Jan-2025 01:16 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

	CLINIC/	AL BIOCHE	MISTRY	
HEALTH PROFILE A-3 PACKAGE				
Test Name	Results	Units	Biological Reference Interval	
Glycated Hemoglobin (HbA1c) (Method: HPLC)	4.9	%	Non Diabetic:< 5.7 Pre diabetic: 5.7-6.4 Diabetic:>= 6.5	
	93.93	mg/dL		

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 Method: Analyzer Fully automated HPLC platform. HbA1c values of 5.0- 6.5 percent indicate good control or an increased Average Level of Hemoglobin A1c risk for developing diabetes mellitus. HbA1c values greater than 6.5 Blood Glucose(eAG) Control (%) percent are diagnostic of diabetes mellitus. Diagnosis should be (mg/dL) confirmed by repeating the HbA1c test. 421 14% 386 13% 350 L 12% E 314 11% R 279 10% Т 243 9% 208 8% 172 POOR 7% 136 GOOD 6% 101 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

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.

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Name	: Mr. GAGANDEEP SING	GH			
Sample ID	: A1309088				
Age/Gender	: 36 Years/Male			Reg. No	: 0312501080005
Referred by	: Dr. SELF			SPP Code	: SPL-CV-172
eferring Customer	: V CARE MEDICAL DIA	AGNOSTICS		Collected On	: 08-Jan-2025 08:43 AM
rimary Sample	: Whole Blood			Received On	: 08-Jan-2025 12:52 PM
ample Tested In	: Serum			Reported On	: 08-Jan-2025 03:08 PM
lient Address	: Kimtee colony ,Goku	ıl Nagar, Tarı	naka	Report Status	: Final Report
			AL BIOCHE		
Test Name	H	HEALTH PI Results	ROFILE A-3 Units	PACKAGE Biological Refere	ance Interval
		Nesuits	Units	Biological Nelete	
(Method: Arsenazo)		9.1	mg/dL	8.5-10.1	
free ionised for Calcium levels Calcium levels Increased Calci	body is found mainly in the m and in bound form (with and vice-versa. in serum depend on the Pa fum levels are found in Bor arathyroidism, renal failure	Albumin). He arathyroid Ho ne tumors, Hy	nce, a decrea rmone.	se in Albumin causes lo	ower
25 - Hydroxy Vitamir (Method: CLIA)	D	<u>28.98</u>	ng/mL	<20.0-Deficiency 20.0-30.0-Insuffici 30.0-100.0-Suffici >100.0-Potential In	ency
rays contact your skin. 2.Vitamin D must go th	Other good sources of the vi rough several processes in y to a chemical known as 25-	itamin include f our body befor hydroxyvitamir	fish, eggs, and re your body ca n D, also called D levels. The a	fortified dairy products. It's n use it. The first transfor calcidiol.	dy produces vitamin D when the sun's UV s also available as a dietary supplement. mation occurs in the liver. Here, your
3. The 25-hydroxy vitam how much vitamin D yo 4. The test is also know osteoporosis (bone wea Those who are at hig	ur body has. The test can de n as the 25-OH vitamin D tes akness) and rickets (bone ma h risk of having low levels much exposure to the sun	etermine if your at and the calcie alformation).	diol 25-hydroxy	s are too high or too low.	nin D in your blood is a good indication of n be an important indicator of



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CLINICAL BIOCHEMISTRY				
HEALTH PROFILE A-3 PACKAGE				
Test Name	Results	Units	Biological Reference Interval	
Vitamin- B12 (cyanocobalamin)	217	pg/mL	211-911	

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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L	Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 08-Jan-2025 08:43 AM
L	Primary Sample	: Whole Blood	Received On	: 08-Jan-2025 12:52 PM
L	Sample Tested In	: Serum	Reported On	: 08-Jan-2025 02:36 PM
	Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

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	CLINICAL BIOCHEMISTRY					
HEALTH PROFILE A-3 PACKAGE						
Test Name	Results	Units	Biological Reference Interval			
Lipid Profile						
	<u>231</u>	mg/dL	< 200			
Triglycerides-TGL (Method: GPO-POD)	<u>178</u>	mg/dL	< 150			
	<u>35</u>	mg/dL	40-60			
	<u>160.4</u>	mg/dL	< 100			
	<u>35.6</u>	mg/dL	7-35			
	<u>196</u>	mg/dL	< 130			
	<u>6.6</u>	Ratio	0-4.0			
LDL/HDL Ratio (Method: Calculated)	<u>4.58</u>	Ratio	0-3.5			

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)	I DI Cholesterol	Non HDL Cholesterol in (mg/dL)
Ontimal	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

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	CLINICAL BIOCHEMISTRY					
	HEALTH PROFILE A-3 PACKAGE					
Test Name	Results	Units	Biological Reference Interval			
Liver Function Test (LFT)						
	0.8	mg/dL	0.1-1.2			
Bilirubin (Direct)	0.2	mg/dL	0.0 - 0.3			
	0.6	mg/dL	0.2-1.0			
Aspartate Aminotransferase (AST/SGOT) Method: IFCC UV Assay)	25	U/L	15-37			
Alanine Aminotransferase (ALT/SGPT) (Method: IFCC with out (P-5-P))	32	U/L	0-55			
Alkaline Phosphatase(ALP) (Method: Kinetic PNPP-AMP)	53	U/L	30-120			
Gamma Glutamyl Transpeptidase (GGTP)	16	U/L	15-85			
Protein - Total	7.2	g/dL	6.4-8.2			
(Method: Bromacresol Green (BCG))	4.3	g/dL	3.4-5.0			
Globulin (Method: Calculated)	2.9	g/dL	2.0-4.2			
A:G Ratio (Method: Calculated)	1.48	Ratio	0.8-2.0			
SGOT/SGPT Ratio	0.78	Ratio	<1.0			

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.

*** End Of Report ***







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Primary Sample	: Whole Blood	Received On	: 08-Jan-2025 12:52 PM			
Sample Tested In	: Serum	Reported On	: 08-Jan-2025 02:36 PM			
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report			

	CLINICAL BIOCHEMISTRY					
HEALTH PROFILE A-3 PACKAGE						
Test Name	Results	Units	Biological Reference Interval			
Kidney Profile-KFT						
	0.75	mg/dL	0.70-1.30			
	20.6	mg/dL	12.8-42.8			
	9.63	mg/dL	7.0-18.0			
BUN / Creatinine Ratio	12.84	Ratio	6 - 22			
	<u>8.1</u>	mg/dL	3.5-7.2			
Sodium (Method: ISE Direct)	138	mmol/L	135-150			
Potassium (Method: ISE Direct)	4.0	mmol/L	3.5-5.0			
Chloride (Method: ISE Direct)	102	mmol/L	94-110			
Intermediations						

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-3 PACKAGE						
Test Name	Results	Units	Biological Reference Interval			
Iron Profile-I	Iron Profile-I					
Iron(Fe) (Method: Ferrozine)	107	µg/dL	65-175			
Total Iron Binding Capacity (TIBC) (Method: Ferrozine)	362	µg/dL	250-450			
Transferrin (Method: Calculated)	253.15	mg/dL	215-365			
Iron Saturation((% Transferrin Saturation) (Method: Calculated)	29.56	%	20-50			
Unsaturated Iron Binding Capacity (UIBC) (Method: FerroZine)	255	µg/dL	110 - 370			

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.

*** End Of Report ***







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

	CLINICAL BIOCHEMISTRY					
HEALTH PROFILE A-3 PACKAGE						
Test Name	Results	Units	Biological Reference Interval			
Thyroid Profile-I(TFT)						
	101.36	ng/dL	70-204			
	9.5	µg/dL	3.2-12.6			
TSH - Thyroid Stimulating Hormone	2.29	µIU/mL	0.35-5.5			

Pregnancy & Cord Blood

T3 (Triiodothyronii	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 Trimester :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	ng/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.

*** End Of Report ***







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