

ITDOSE INFOSYSTEMS PVT. LTD.

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 Sample ID	: Mr. PHANI KUMAR S : A1309978		
·			
Age/Gender	: 49 Years/Male	Reg. No	: 0312502050010
Referred by	: Dr. SELF	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 05-Feb-2025 10:14 AM
Primary Sample	: Whole Blood	Received On	: 05-Feb-2025 12:23 PM
Sample Tested In	: Whole Blood EDTA	Reported On	: 05-Feb-2025 01:55 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

HAEMATOLOGY

Test News	HEALTH PROFILE A-3 PACKAGE						
Test Name	Results	Units	Biological Reference Interval				
COMPLETE BLOOD COUNT (CBC)							
Haemoglobin (Hb) (Method: Cymreth Method)	15.2	g/dL	13-17				
RBC Count (Method: Cell Impedence)	4.95	10^12/L	4.5-5.5				
	42.0	%	40-50				
(Method: Calculated) (Method: Calculated)	85	fl	81-101				
(Method: Calculated) (Method: Calculated)	30.7	pg	27-32				
(method: Calculated) (Method: Calculated) (Method: Calculated)	33.0	g/dL	32.5-34.5				
(method: Calculated) (Method: Calculated)	13.6	%	11.6-14.0				
Platelet Count (PLT) Method: Cell Impedance)	212	10^9/L	150-410				
Total WBC Count (Method: Impedance)	5.8	10^9/L	4.0-10.0				
Meutro: Impedance) Meutrophils (Method: Call Impedence)	57	%	40-70				
Absolute Neutrophils Count (Method: Impediate) (Method: Impediate)	3.31	10^9/L	2.0-7.0				
(weinda, impedance) (Weinda, impedance) (Weinda, Call Impedance)	34	%	20-40				
	1.97	10^9/L	1.0-3.0				
Monocytes (Method: Microscopy)	06	%	2-10				
	0.35	10^9/L	0.2-1.0				
(method, Calculated) (Method, Microscopy)	03	%	1-6				
Absolute Eosinophils Count (Method: Calculated)	0.17	10^9/L	0.02-0.5				
Basophils (Method: Microscopy)	0	%	1-2				
Absolute Basophil ICount (Method: calculated)	0.00	10^9/L	0.0-0.3				
Atypical cells	0.00	%					
Morphology							
WBC	Within Nor	mal Limits					
RBC	Normocytic	c normochromic	blood picture.				
Platelets Adequate. (Method: Microscopy) Adequate.							





*** End Of Report ***

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IDOSE INFOSYSTEMS PVT. LTD.

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. PHANI KUMAR S		
Sample ID	: A1309978		
Age/Gender	: 49 Years/Male	Reg. No	: 0312502050010
Referred by	: Dr. SELF	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 05-Feb-2025 10:14 AM
Primary Sample	: Whole Blood	Received On	: 05-Feb-2025 12:23 PM
Sample Tested In	: Whole Blood EDTA	Reported On	: 05-Feb-2025 02:18 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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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

		LABORA	FORY TEST	T REPORT	
Name	: Mr. PHANI KUMAR S				
Sample ID	: A1309980				
Age/Gender	: 49 Years/Male			Reg. No	: 0312502050010
Referred by	: Dr. SELF			SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGN	IOSTICS		Collected On	: 05-Feb-2025 10:14 AM
Primary Sample	:			Received On	: 05-Feb-2025 12:57 PM
Sample Tested In	: Urine	т	1	Reported On	: 05-Feb-2025 02:24 PM
Client Address	: Kimtee colony ,Gokul Na	agar, Larna	ika	Report Status	: Final Report
		CLINICA	AL PATHO	DLOGY	
	HE	ALTH PR	OFILE A-3	PACKAGE	
Test Name	R	esults	Units	Biological Refere	ence Interval
Complete Urine A Physical Examina	tion			e	
Colour		Pale Yellow		Straw to light amb	er
Appearance	F	IAZY		Clear	
Chemical Examination	ation				
Glucose (Method: Strip Reflectance)	Ν	legative		Negative	
Protein (Method: Strip Reflectance)	M	legative		Negative	
Bilirubin (Bile)	N	legative		Negative	
Urobilinogen (Method: Ehrlichs reagent)	N	legative		Negative	
(Method: Strip Reflectance)		legative		Negative	
(Method: Strip Reflectance)	1	.020		1.000 - 1.030	
Blood (Method: Strip Reflectance)	Ν	legative		Negative	
(Method: Suppresentation) (Method: Reagent Strip Reflectance)	5	5.5		5.0 - 8.5	
(Method: Strip Reflectance)	٢	legative		Negative	
Leukocyte esterase	N	legative		Negative	
	nination (Microscopy)				
PUS(WBC) Cells	C	2-04	/hpf	00-05	

/hpf

/hpf

Nil

00-05

Absent

Absent

Absent

Nil

 (Method: Microscopic)
 Nil

 R.B.C.
 (Method: Microscopic)

 Epithelial Cells
 01-02

 (Method: Microscopic)
 Absent

 Casts
 Absent

 (Method: Microscopic)
 Absent

 Crystals
 Absent

 (Method: Microscopic)
 Nil

 Bacteria
 Nil

 Budding Yeast Cells
 Nil







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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. PHANI KUMAR S		
Sample ID	: A1309979		
Age/Gender	: 49 Years/Male	Reg. No	: 0312502050010
Referred by	: Dr. SELF	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 05-Feb-2025 10:14 AM
Primary Sample	: Whole Blood	Received On	: 05-Feb-2025 12:23 PM
Sample Tested In	: Plasma-NaF(F)	Reported On	: 05-Feb-2025 02:58 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							
(Method: Hexok	Glucose Fasting (F) <u>103</u> mg/dL 70-100						
Diagnosi	Interpretation of Plasma Glucose based on ADA guidelines 2018 Diagnosis FastingPlasma Glucose(mg/dL) 2hrsPlasma Glucose(mg/dL) HbA1c(%) RBS(mg/dL)						
Prediabet		140-199	5.7-6.4	NA			
Diabetes	> = 126	> = 200	> = 6.5	>=200(with symptoms)			

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

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*** End Of Report ***



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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)

REPORT LABORATORY TEST

L	Name	: Mr. PHANI KUMAR S		
	Sample ID	: A1309978, A1309977		
L	Age/Gender	: 49 Years/Male	Reg. No	: 0312502050010
	Referred by	: Dr. SELF	SPP Code	: SPL-CV-172
	Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 05-Feb-2025 10:14 AM
	Primary Sample	: Whole Blood	Received On	: 05-Feb-2025 12:46 PM
	Sample Tested In	: Whole Blood EDTA, Serum	Reported On	: 05-Feb-2025 04:50 PM
	Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report
L			IEMIQTOV	

	CLINICAL BIOCHEMISTRY				
HEALTH PROFILE A-3 PACKAGE					
Test Name Results Units Biological Reference Interval					
Glycated Hemoglobin (HbA1c)	5.8	%	Non Diabetic:< 5.7 Pre diabetic: 5.7-6.4 Diabetic:>= 6.5		
Mean Plasma Glucose	119.76	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.

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
421		14%	confirmed by repeating the HbA1c test.
386	A A	13%	
350	L	12%	
314	E	11%	
279	R	10%	
243	T	9%	
208		8%	
172	POOR	7%	
136	GOOD	6%	
101	EXCELLENT	5%	

low resu ld fa ons that shorter 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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REPORT LABORATORY TEST

Name	: Mr. PHANI KUMAR S					
Sample ID	: A1309978, A13099	//				
Age/Gender	: 49 Years/Male			Reg. No	: 0312502050010	
Referred by	: Dr. SELF			SPP Code	: SPL-CV-172	
Referring Customer	: V CARE MEDICAL DI	AGNOSTICS		Collected On	: 05-Feb-2025 10:14 AM	
Primary Sample	: Whole Blood			Received On	: 05-Feb-2025 12:46 PM	
Sample Tested In	: Whole Blood EDTA,	Serum		Reported On	: 05-Feb-2025 04:50 PM	
Client Address	: Kimtee colony ,Goki	ul Nagar,Tar	maka	Report Status	: Final Report	
CLINICAL BIOCHEMISTRY						
		HEALTH P	ROFILE A-3	PACKAGE		
Test Name		Results	Units	Biological Refere	ence Interval	
25 - Hydroxy Vitamin D (Method: CLA) 20.31 ng/mL <20.0-Deficiency 20.0-30.0-Insufficiency 30.0-100.0-Sufficiency >100.0-Potential Intoxication						
Interpretation: 1. Vitamin D helps your body absorb calcium and maintain strong bones throughout your entire life. Your body produces vitamin D when the sun's UV rays contact your skin. Other good sources of the vitamin include fish, eggs, and fortified dairy products. It's also available as a dietary supplement. 2. Vitamin D must go through several processes in your body before your body can use it. The first transformation occurs in the liver. Here, your body converts vitamin D to a chemical known as 25-hydroxyvitamin D, also called calcidiol. 3. The 25-hydroxy vitamin D test is the best way to monitor vitamin D levels. The amount of 25-hydroxyvitamin D in your blood is a good indication of how much vitamin D your body has. The test can determine if your vitamin D levels are too high or too low. 4. The test is also known as the 25-OH vitamin D test and the calcidiol 25-hydroxycholecalcifoerol test. It can be an important indicator of osteoprocis (bone weakness) and rickets (bone malformation).						

Those who are at high risk of having low levels of vitamin D include:

1.people who don't get much exposure to the sun 2.older adults

3.people with obesity.

4.dietary deficiency Increased Levels: Vitamin D Intoxication

Method : CLIA

Vitamin- B12 (cyanocobalamin)

211-911 pg/mL

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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*** End Of Report ***



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REPORT LABORATOR

L				
l	Name	: Mr. PHANI KUMAR S		
I	Sample ID	: A1309977		
I	Age/Gender	: 49 Years/Male	Reg. No	: 0312502050010
l	Referred by	: Dr. SELF	SPP Code	: SPL-CV-172
l	Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 05-Feb-2025 10:14 AM
l	Primary Sample	: Whole Blood	Received On	: 05-Feb-2025 12:46 PM
l	Sample Tested In	: Serum	Reported On	: 05-Feb-2025 04:11 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			
Lipid Profile						
Cholesterol Total (Method: CHOD-POD)	<u>289</u>	mg/dL	< 200			
	<u>317</u>	mg/dL	< 150			
	43	mg/dL	40-60			
	<u>182.6</u>	mg/dL	< 100			
	<u>63.4</u>	mg/dL	7-35			
Non HDL Cholesterol	<u>246</u>	mg/dL	< 130			
Cholesterol Total /HDL Ratio	<u>6.72</u>	Ratio	0-4.0			
LDL/HDL Ratio (Method: Calculated)	<u>4.25</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)
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	≥ 60	Adult:160-189 Children:>or=130	190 - 219
Very High		>or=500		Adult: >or=190	>=220

*** End Of Report ***



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Sample Tested In	: Serum	Reported On	: 05-Feb-2025 04:11 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							
Liver Function Test (LFT)							
	0.4	mg/dL	0.1-1.2				
Bilirubin (Direct)	0.1	mg/dL	0.0 - 0.3				
	0.3	mg/dL	0.2-1.0				
Aspartate Aminotransferase (AST/SGOT) (Method: IFCC UV Assay)	30	U/L	15-37				
Alanine Aminotransferase (ALT/SGPT)	27	U/L	0-55				
Alkaline Phosphatase(ALP) Method: Kinetic PNPP-AMP	56	U/L	30-120				
Bamma Glutamyl Transpeptidase (GGTP)	48	U/L	15-85				
Protein - Total	7.8	g/dL	6.4-8.2				
Albumin (Method: Bromacresol Green (BCG))	5.0	g/dL	3.4-5.0				
Globulin (Method: Calculated)	2.8	g/dL	2.0-4.2 Care				
A:G Ratio (Method: Calculated)	1.79	Ratio	0.8-2.0				
SGOT/SGPT Ratio	<u>1.11</u>	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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LABORATORY TEST REPORT

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Sample ID	: A1309977					
Age/Gender	: 49 Years/Male	Reg. No	: 0312502050010			
Referred by	: Dr. SELF	SPP Code	: SPL-CV-172			
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 05-Feb-2025 10:14 AM			
Primary Sample	: Whole Blood	Received On	: 05-Feb-2025 12:46 PM			
Sample Tested In	: Serum	Reported On	: 05-Feb-2025 04:11 PM			
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report			

HEALTH PROFILE A-3 PACKAGE					
Test Name	Results	Units	Biological Reference Interval		
Kidney Profile-KFT					
Creatinine (Method: Jaffes Kinetic)	0.90	mg/dL	0.70-1.30		
	35.1	mg/dL	12.8-42.8		
Blood Urea Nitrogen (BUN)	16.4	mg/dL	7.0-18.0		
BUN / Creatinine Ratio	18.22	Ratio	6 - 22		
Write Acid	<u>7.3</u>	mg/dL	3.5-7.2		
Sodium (Method: ISE Direct)	144	mmol/L	135-150		
Potassium (Method: ISE Direct)	4.0	mmol/L	3.5-5.0		
(Method: ISE Direct)	106	mmol/L	94-110		
T					

Interpretation:

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• 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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REPORT LABORATORY

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Sample ID	: A1309977			
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Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 05-Feb-2025 10:14 AM	
Primary Sample	: Whole Blood	Received On	: 05-Feb-2025 12:46 PM	
Sample Tested In	: Serum	Reported On	: 05-Feb-2025 04:11 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						
Iron Profile-I						
	123	µg/dL	65-175			
Total Iron Binding Capacity (TIBC)	349	µg/dL	250-450			
Transferrin (Method: Calculated)	244.06	mg/dL	215-365			
Iron Saturation((% Transferrin Saturation) (Method: Calculated)	35.24	%	20-50			
Unsaturated Iron Binding Capacity (UIBC) (Method: FerroZine)	226	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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LABORATORY REPORT TEST

Name	: Mr. PHANI KUMAR S		
Sample ID	: A1309977		
Age/Gender	: 49 Years/Male	Reg. No	: 0312502050010
Referred by	: Dr. SELF	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 05-Feb-2025 10:14 AM
Primary Sample	: Whole Blood	Received On	: 05-Feb-2025 12:46 PM
Sample Tested In	: Serum	Reported On	: 05-Feb-2025 03:00 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			
Thyroid Profile-I(TFT)						
T3 (Triiodothyronine)	104.55	ng/dL	70-204			
(Method: SLIA)	8.5	µg/dL	3.2-12.6			
TSH - Thyroid Stimulating Hormone	3.87	µIU/mL	0.35-5.5			

Pregnancy & Cord Blood

INFOSYSTEMS PVT. LTD.

T3 (Triiodothyroni	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 r	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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