

Name	: Ms. DRITI	Age	: 20 Years
Lab No.	: 496568311	Gender	: Female
Ref By	: Self	Reported	: 24/10/2025 1:46:06PM
Collected	: 24/10/2025 11:23:00AM	Report Status	: Final
A/c Status	: P	Processed at	: Dr. Lal PathLabs Ltd.
Collected at	: LPL-PANIPAT		
	SCF -35,GROUND FLOOR,SECTOR-11,NEAR		SCF -35,Sector-11,HUDA, Panipat-132103,
	NEW ANGEL MALL,HUDA, PANIPAT-132103,		Haryana
	HARAYANA. 9958759645		

Test Report

Test Name	Results	Units	Bio. Ref. Interval
IRON STUDIES			
Iron (Spectrophotometry, TPTZ)	33.40	µg/dL	50.00 - 170.00
Total Iron Binding Capacity (TIBC) (Nitroso- PSAP, Calculated)	349.10	µg/dL	250.00 - 425.00
Transferrin Saturation (Calculated)	9.57	%	15.00 - 50.00

Note: Test conducted on serum

Comments

Iron is an essential trace mineral element which forms an important component of hemoglobin, metallocompounds and Vitamin A. Deficiency of iron, leads to microcytic hypochromic anemia. The toxic effects of iron are deposition of iron in various organs of the body and hemochromatosis.

Total Iron Binding capacity (TIBC) is a direct measure of the protein Transferrin which transports iron from the gut to storage sites in the bone marrow. In iron deficiency anemia, serum iron is reduced and TIBC increases.

Transferrin Saturation occurs in Idiopathic hemochromatosis and Transfusional hemosiderosis where no unsaturated iron binding capacity is available for iron mobilization. Similar condition is seen in congenital deficiency of Transferrin.



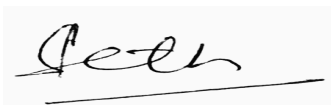
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ANGEL MALL, HUDA, PANIPAT-132103,	
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Test Report

Test Name	Results	Units	Bio. Ref. Interval
VITAMIN B12 (CYANOCOBALAMIN) (ECLIA)	153.00	pg/mL	211.00 - 946.00

Notes

1. Interpretation of the result should be considered in relation to clinical circumstances.
2. It is recommended to consider supplementary testing with plasma Methylmalonic acid (MMA) or plasma homocysteine levels to determine biochemical cobalamin deficiency in presence of clinical suspicion of deficiency but indeterminate levels. Homocysteine levels are more sensitive but MMA is more specific
3. False increase in Vitamin B12 levels may be observed in patients with intrinsic factor blocking antibodies, MMA measurement should be considered in such patients
4. The concentration of Vitamin B12 obtained with different assay methods cannot be used interchangeably due to differences in assay methods and reagent specificity
5. Test conducted on serum



Dr Preeti Seth
DCP, Pathology
Chief of Laboratory
Dr Lal PathLabs Ltd



Dr. Rashmi Tayal
MD Pathology
Consultant Pathologist
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Dr. Korvi Anusha
MD, Pathology
Consultant Pathologist
Dr Lal PathLabs Ltd

-----End of report -----



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IMPORTANT INSTRUCTIONS			
<p>•Test results released pertain to the specimen submitted. •All test results are dependent on the quality of the sample received by the Laboratory .</p> <p>•Laboratory investigations are only a tool to facilitate in arriving at a diagnosis and should be clinically correlated by the Referring Physician .•Report delivery may be delayed due to unforeseen circumstances. Inconvenience is regretted .•Certain tests may require further testing at additional cost for derivation of exact value. Kindly submit request within 72 hours post reporting. •Test results may show interlaboratory variations. •The Courts/Forum at Delhi shall have exclusive jurisdiction in all disputes/claims concerning the test(s) & or results of test(s). •Test results are not valid for medico legal purposes. •This is computer generated medical diagnostic report that has been validated by Authorized Medical Practitioner /Doctor. •The report does not need physical signature.</p> <p>(#) Sample drawn from outside source.</p> <p>If Test results are alarming or unexpected, client is advised to contact the Customer Care immediately for possible remedial action.</p> <p>Tel: +91-11-49885050, Fax: - +91-11-2788-2134, E-mail: lalpathlabs@lalpathlabs.com</p>			

