

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



		<b>y Chopra</b> ogy & Microbiology) & Consultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Mr. GURPREET			
AGE/ GENDER	: 28 YRS/MALE	]	PATIENT ID	: 1802492
COLLECTED BY	:	]	REG. NO./LAB NO.	: 012503220044
REFERRED BY	:	]	REGISTRATION DATE	: 22/Mar/2025 06:00 PM
BARCODE NO.	:01527563		COLLECTION DATE	: 22/Mar/2025 06:02PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	]	REPORTING DATE	: 22/Mar/2025 08:32PM
CLIENT ADDRESS	: 6349/1, NICHOLSON R0	DAD, AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
	CLI	NICAL CHEMIST	RY/BIOCHEMIST	'RY
			RITIN	
FERRITIN: SERUM		115.31	ng/mL	30.0 - 406.0
<ol> <li>Hemochromatosis</li> <li>Wilson Disease.</li> <li>INCREASED FERRITIN</li> <li>Transfusion overlc</li> <li>Excess dietary Iror</li> <li>Porphyria Cutanea</li> <li>Ineffective erythro</li> <li>INCREASED FERRITIN</li> <li>Liver disorders (NA</li> <li>Inflammatory cond</li> <li>Leukaemia, hodgki</li> <li>Alcohol excess.</li> <li>Other malignancie synthesis of ferritin b</li> <li>Ferritin levels belo</li> <li>NOTE:</li> <li>As Ferritin is an acu false positive results.</li> </ol>	DUE TO IRON OVERLOAD (PI or hemosiderosis. DUE TO IRON OVERLOAD (SI tada poiesis. WITHOUT IRON OVERLOAD: SH) or viral hepatitis (B/C). litions (Ferritin is a acute pl n's disease. s in which increases probat by tumour cells. w 10 ng/ml have been repo the phase reactant, it is often	ECONDARY): hase reactant) both acu bly reflect the escape of rted as indicative of iro raised in both acute and	ferritin from damaged liv n deficiency anemia. d chronic inflammatory coi	ver cells, impaired clearance from the plasma, ndition of the body such as infections leading to vels should always be correlated with C-Reactive
2. Patients with iron a therapy or in patients	eficiency anaemia may occa with concomitant hepatocel	sionally have elevated o lular injury.	r normal ferritin levels. This	s is usually seen in patients already receiving iro

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY)

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Fest Name		Value	Unit	Biological Reference interval
		VIT	AMINS	
			DROXY VITAMIN D	3
by CLIA (CHEMILUMINE	DROXY VITAMIN D3): SE ESCENCE IMMUNOASSAY)	RUM <b>19.124<sup>L</sup></b>	ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
<u>NTERPRETATION:</u> DEFIC	CIENT:	< 20	n	g/mL
INSUFFICIENT:		21 - 29		g/mL
	D RANGE:	<u> </u>		g/mLg/mL
2.25-OHVitamin D re issue and tightly bou 3.Vitamin D plays a p shosphate reabsorpti 1.Severe deficiency m DECREASED: 1.Lack of sunshine exit 2.Inadequate intake, 8.Depressed Hepatic 4.Secondary to advan 5.Osteoporosis and Si	Ind by a transport protein rimary role in the mainten ion, skeletal calcium depos hay lead to failure to miner posure. malabsorption (celiac dise Vitamin D 25- hydroxylase ced Liver disease econdary Hyperparathroid ugs: anti-epileptic drugs lil	esevoir and transport for while in circulation. ance of calcium homeor ition, calcium mobilizat alize newly formed oste ase) activity ism (Mild to Moderate of se phenytoin, phenobar	rm of Vitamin D and trans statis. It promotes calciur ion, mainly regulated by r eoid in bone, resulting in r deficiency) bital and carbamazepine, e to extremely high doses	port form of Vitamin D, being stored in adipose n absorption, renal calcium absorption and parathyroid harmone (PTH). ickets in children and osteomalacia in adults. that increases Vitamin D metabolism. of Vitamin D. When it occurs, it can result in it of Vitamin D levels in order to prevent

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NAME		Microbiology) ultant Pathologist	Dr. Yugam MD ( CEO & Consultant F	Pathology)		
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Test Name		Value	Unit	Biological Reference interval		
INTERPRETATION:-	ESCENT MICROPARTICLE IMMUNOASS		DECREASED VITAMIN	B12		
1.Ingestion of Vitamin C		1.Pregnancy				
2.Ingestion of Estrogen		2.DRUGS:Aspirin, Anti-convulsants, Colchicine				
3.Ingestion of Vitamin A		3.Ethanol Igestion				
4.Hepatocellular injury		4. Contraceptive Harmones				
5.Myeloproliferative disorder		5.Haemodialysis				
6.Uremia I.Vitamin B12 (cobalamin) is necessary for hematopoiesis			6. Multiple Myeloma			
		and requires intrinsic IIv. reabsorbing vitami	factor (IF) for absorpt n B12 from the ileum			

7. Follow-up testing for antibodies to intrinsic factor (IF) is recommended to identify this potential cause of vitamin B12 malabsorption. NOTE: A normal serum concentration of vitamin B12 does not rule out tissue deficiency of vitamin B12. The most sensitive test for vitamin B12 deficiency at the cellular level is the assay for MMA. If clinical symptoms suggest deficiency, measurement of MMA and homocysteine should be considered, even if serum vitamin B12 concentrations are normal.

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





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