PKR JAIN HEALTHCARE INSTITUTE NASIRPUR, Hissar Road, AMBALA CITY- (Haryana)

A PIONEER DIAGNOSTIC CENTRE

🔽 0171-2532620, 8222896961 🛛 🖾 pkrjainhealthcare@gmail.com

NAME	: Mr. PRITEESH				
AGE/ GENDER	: 26 YRS/MALE		PATIENT ID	:1470	000
COLLECTED BY	:		REG. NO./LAB NO.	: 1224	408110004
REFERRED BY	:		<b>REGISTRATION DATE</b>	:11/A	ug/2024 12:42 PM
BARCODE NO.	: 12504106		COLLECTION DATE	:11/A	ug/2024 12:47PM
CLIENT CODE.	: P.K.R JAIN HEALTH	CARE INSTITUTE	<b>REPORTING DATE</b>	:11/A	ug/2024 03:47PM
CLIENT ADDRESS	: NASIRPUR, HISSAR	ROAD, AMBALA CITY - I	HARYANA		
Test Name		Value	Unit		Biological Reference interval
		V	ITAMINS		
		VITAMIN D/25	HYDROXY VITAMIN D3		
•	ROXY VITAMIN D3): SI escence immunoassay		ng/mL		DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
NTERPRETATION:		20			
	CIENT: FICIENT:	< 20 21 - 29		g/mL g/mL	
	ED RANGE:	30 - 100		g/mL	
	CATION:	> 100		g/mL	
		itamin D3 in the skin up	m plants, Vitamin D2), or cho	necalchel	

2.Inadequate intake, malabsorption (celiac disease) 3.Depressed Hepatic Vitamin D 25- hydroxylase activity

4. Secondary to advanced Liver disease

5. Osteoporosis and Secondary Hyperparathroidism (Mild to Moderate deficiency)

6.Enzyme Inducing drugs: anti-epileptic drugs like phenytoin, phenobarbital and carbamazepine, that increases Vitamin D metabolism.

**INCREASED:** 1. Hypervitaminosis D is Rare, and is seen only after prolonged exposure to extremely high doses of Vitamin D. When it occurs, it can result in severe hypercalcemia and hyperphophatemia.

CAUTION: Replacement therapy in deficient individuals must be monitored by periodic assessment of Vitamin D levels in order to prevent hypervitaminosis D

NOTE:-Dark coloured individuals as compare to whites, is at higher risk of developing Vitamin D deficiency due to excess of melanin pigment which interefere with Vitamin D absorption.



**DR.VINAY CHOPRA** CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY)

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

440 Dated 17.5.2012 u/s 80 G OF INCOME TAX ACT. PAN NO. AAAAP1600. **REPORT ATTRACTS THE CONDITIONS PRINTED OVERLEAF (P.T.O.)** 



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**A PIONEER DIAGNOSTIC CENTRE** 

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AGE/ GENDER	: 26 YRS/MALE	PA	TENT ID	: 1470000
COLLECTED BY	:	REG	. NO./LAB NO.	: 122408110004
REFERRED BY	:	REG	ISTRATION DATE	: 11/Aug/2024 12:42 PM
BARCODE NO.	: 12504106	COI	LECTION DATE	: 11/Aug/2024 12:47PM
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INSTIT	TUTE <b>Rei</b>	ORTING DATE	: 11/Aug/2024 04:11PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMB	ALA CITY - HARYA	NA	0
Test Name	LAMIN: SERUM	Value VITAMIN B12/0 296.86		Biological Reference interva
VITAMIN B12/COBA by CMIA (CHEMILUMIN INTERPRETATION:-	ESCENT MICROPARTICLE IMMUNOASSA	VITAMIN B12/0 296.86	OBALAMIN pg/mL	190.0 - 830
VITAMIN B12/COBA by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS	ESCENT MICROPARTICLE IMMUNOASSA	VITAMIN B12/0 296.86 (YY)	OBALAMIN	190.0 - 830
VITAMIN B12/COBA by CMIA (CHEMILUMIN INTERPRETATION:-	ESCENT MICROPARTICLE IMMUNOASSA	VITAMIN B12/0 296.86 AY) 1.Pregnancy	OBALAMIN pg/mL	190.0 - 830
VITAMIN B12/COBA by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitam 2.Ingestion of Estroy 3.Ingestion of Vitam	ESCENT MICROPARTICLE IMMUNOASSA ED VITAMIN B12 hin C gen hin A	VITAMIN B12/0 296.86 avy 1.Pregnancy 2.DRUGS:Asj 3.Ethanol Ige	OBALAMIN pg/mL DECREASED VITAMIN irin, Anti-convulsants, o stion	190.0 - 830
VITAMIN B12/COBA by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitam 2.Ingestion of Estro 3.Ingestion of Vitam 4.Hepatocellular in	ESCENT MICROPARTICLE IMMUNOASSA ED VITAMIN B12	VITAMIN B12/0 296.86 AY) 1.Pregnancy 2.DRUGS:As 3.Ethanol Ige 4. Contracep	OBALAMIN pg/mL DECREASED VITAMIN irin, Anti-convulsants, o stion tive Harmones	190.0 - 830
VITAMIN B12/COBA by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitam 2.Ingestion of Estroy 3.Ingestion of Vitam	ESCENT MICROPARTICLE IMMUNOASSA ED VITAMIN B12	VITAMIN B12/0 296.86 avy 1.Pregnancy 2.DRUGS:Asj 3.Ethanol Ige	OBALAMIN pg/mL DECREASED VITAMIN irin, Anti-convulsants, o stion tive Harmones ysis	190.0 - 830

4. Vitamin B12 deficiency may be due to lack of IF secretion by gastric mucosa (eg, gastrectomy, gastric atrophy) or intestinal malabsorption (eg, ileal resection, small intestinal diseases).

5.Vitamin B12 deficiency frequently causes macrocytic anemia, glossitis, peripheral neuropathy, weakness, hyperreflexia, ataxia, loss of proprioception, poor coordination, and affective behavioral changes. These manifestations may occur in any combination; many patients have the neurologic defects without macrocytic anemia.

6.Serum methylmalonic acid and homocysteine levels are also elevated in vitamin B12 deficiency states.

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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