

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



		Chopra gy & Microbiology) Consultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)	
AME	: Mr. RAJEEV				
GE/ GENDER	: 59 YRS/MALE	P	ATIENT ID	: 84872	
OLLECTED BY	:	F	EG. NO./LAB NO.	: 012501130047	
EFERRED BY	:	F	EGISTRATION DATE	: 13/Jan/2025 06:23 PM	
ARCODE NO.	: 01523838	(COLLECTION DATE	: 13/Jan/2025 06:24PM	
LIENT CODE.	: KOS DIAGNOSTIC LAB	F	REPORTING DATE	: 13/Jan/2025 08:12PM	
LIENT ADDRESS	: 6349/1, NICHOLSON RO	AD, AMBALA CANTT			
'est Name		Value	Unit	Biological Reference interval	
		VITAMINS CON	IBO PANEL: 1.0		
	V	TAMIN D/25 HY	DROXY VITAMIN D	3	
	DROXY VITAMIN D3): SEF escence immunoassay)	2UM 8.4^L	ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0	
ITERPRETATION:		00	1		
DEFICIENT: INSUFFICIENT:		< 20 21 - 29		ng/mL ng/mL	
PREFFERE	D RANGE:	30 - 100	n	g/mLg/mL	
onversion of 7- dihve .25-OHVitamin D re ssue and tightly bou .Vitamin D plays a p hosphate reabsorpti .Severe deficiency m ECREASED: .Lack of sunshine exi .Inadeguate intake, .Depressed Hepatic .Secondary to advan	drocholecalciferol to Vitami epresents the main body res and by a transport protein w rimary role in the maintena on, skeletal calcium deposi- nay lead to failure to minera oosure. malabsorption (celiac disea Vitamin D 25- hydroxylase a ced Liver disease econdary Hyperparathroidis	n D3 in the skin upon L evoir and transport for hile in circulation. nce of calcium homeos ion, calcium mobilizati lize newly formed oste se) ctivity m (Mild to Moderate d phenytoin, phenobart	Iltraviolet exposure. m of Vitamin D and trans tatis. It promotes calciur on, mainly regulated by i oid in bone, resulting in r eficiency) ital and carbamazepine,	lecalciferol (from animals, Vitamin D3), or by port form of Vitamin D, being stored in adipose n absorption, renal calcium absorption and parathyroid harmone (PTH). rickets in children and osteomalacia in adults. that increases Vitamin D metabolism. of Vitamin D. When it occurs, it can result in	

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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

 KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt -133 001, Haryana

 KOS Molecular Lab: Ilnd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt -133 001, Haryana

 0171-2643898, +91 99910 43898
 care@koshealthcare.com

 www.koshealthcare.com
 www.koshealthcare.com



Page 1 of 2





		hopra & Microbiology) onsultant Pathologist	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mr. RAJEEV			
AGE/ GENDER	: 59 YRS/MALE	PATIE	NT ID	: 84872
COLLECTED BY	:	REG. N	O./LAB NO.	: 012501130047
REFERRED BY		REGIS	FRATION DATE	: 13/Jan/2025 06:23 PM
BARCODE NO.	: 01523838		CTION DATE	: 13/Jan/2025 06:24PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		TING DATE	: 13/Jan/2025 08:12PM
			TING DATE	. 13/ Jail/ 2023 08.12PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI	D, AMBALA CANTI		
Test Name		Value	Unit	Biological Reference interv
		VITAMIN B19/CO	RALAMIN	
by CMIA (CHEMILUMIN	BALAMIN: SERUM iescent microparticle immuno	VITAMIN B12/CO 388.08 DASSAY)	BALAMIN pg/mL	190.0 - 830
by CMIA (CHEMILUMIN INTERPRETATION:-		388.08 DASSAY)	pg/mL	
by CMIA (CHEMILUMIN INTERPRETATION:-	IESCENT MICROPARTICLE IMMUNG	388.08 DASSAY)		
by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS	IESCENT MICROPARTICLE IMMUNG SED VITAMIN B12 nin C	388.08 DASSAY) E	pg/mL	I B12
by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitan 2.Ingestion of Estro 3.Ingestion of Vitan	IESCENT MICROPARTICLE IMMUNO SED VITAMIN B12 nin C gen nin A	388.08 DASSAY) 388.08 1.Pregnancy 2.DRUGS:Aspirin 3.Ethanol Igestic	pg/mL ECREASED VITAMIN n, Anti-convulsants	I B12
by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitan 2.Ingestion of Vitan 3.Ingestion of Vitan 4.Hepatocellular in	IESCENT MICROPARTICLE IMMUNO SED VITAMIN B12 nin C gen nin A jury	388.08 DASSAY) 388.08 1.Pregnancy 2.DRUGS:Aspirin 3.Ethanol Igestic 4. Contraceptive	pg/mL ECREASED VITAMIN h, Anti-convulsants on Harmones	I B12
by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitan 2.Ingestion of Vitan 4.Hepatocellular in 5.Myeloproliferativ	IESCENT MICROPARTICLE IMMUNO SED VITAMIN B12 nin C gen nin A jury	388.08 DASSAY) 2.DRUGS:Aspirin 3.Ethanol Igestin 4. Contraceptive 5.Haemodialysi	pg/mL ECREASED VITAMIN h, Anti-convulsants on Harmones s	I B12
INTERPRETATION:- INCREAS 1.Ingestion of Vitan 2.Ingestion of Vitan 4.Hepatocellular in 5.Myeloproliferativ 6.Uremia	IESCENT MICROPARTICLE IMMUNO SED VITAMIN B12 nin C gen nin A jury	388.08 DASSAY) 388.08 1.Pregnancy 2.DRUGS:Aspirin 3.Ethanol Igestin 4. Contraceptive 5.Haemodialysi 6. Multiple Mye	pg/mL ECREASED VITAMIN h, Anti-convulsants on Harmones s loma	I B12

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 ***





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

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

KOS Central Lab: 6349/1, Nicholson Road, Ambala Cantt - 133 001, Haryana KOS Molecular Lab: IInd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Cantt - 133 001, Haryana 0171-2643898, +91 99910 43898 care@koshealthcare.com www.koshealthcare.com

