

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Chc MD (Pathology & Chairman & Const	Microbiology)	ME	n Chopra 9 (Pathology) 1 Pathologist
NAME	: Mr. R.K SHARMA			
AGE/ GENDER	: 76 YRS/MALE		PATIENT ID	: 1670561
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012411130012
REFERRED BY	:		<b>REGISTRATION DATE</b>	: 13/Nov/2024 10:04 AM
BARCODE NO.	:01520704		COLLECTION DATE	: 13/Nov/2024 10:21AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 13/Nov/2024 12:24PM
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	MBALA CANT	Г	
Fest Name		Value	Unit	Biological Reference interval
by CLIA (CHEMILUMINE	DROXY VITAMIN D3): SERUM ESCENCE IMMUNOASSAY)	26.6 <sup>L</sup>	ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0
<u>NTERPRETATION:</u> DFFI(	CIENT:	< 20	r	ng/mL
	FICIENT:	21 - 29		ng/mL
	ED RANGE:	30 - 100 > 100		ng/mL
2.25-OHVitamin D re tissue and tightly bou 3. Vitamin D plays a p phosphate reabsorpti 4. Severe deficiency m <b>DECREASED:</b> 1. Lack of sunshine exi 2. Inadequate intake, 3. Depressed Hepatic 4. Secondarv to advan 5. Osteoporosis and Si 6. Enzyme Inducing dr INCREASED: 1. Hypervitaminosis D severe hypercalcemia CAUTION: Replaceme hypervitaminosis D	and by a transport protein while i rimary role in the maintenance o ion, skeletal calcium deposition, o nay lead to failure to mineralize n posure. malabsorption (celiac disease) Vitamin D 25- hydroxylase activity deed Liver disease econdary Hyperparathroidism (M rugs: anti-epileptic drugs like pher D is Rare, and is seen only after pro- and hyperphophatemia. In therapy in deficient individuals	and transport n circulation. f calcium home calcium mobiliz ewly formed or y ild to Moderat hytoin, phenob olonged expose s must be moni	form of Vitamin D and tran eostatis. It promotes calciu zation, mainly regulated by steoid in bone, resulting in e deficiency) arbital and carbamazepine ure to extremely high dose tored by periodic assessme	sport form of Vitamin D, being stored in adipose m absorption, renal calcium absorption and parathyroid harmone (PTH). rickets in children and osteomalacia in adults. , that increases Vitamin D metabolism. s of Vitamin D. When it occurs, it can result in nt of Vitamin D levels in order to prevent <i>ciency due to excess of melanin pigment which</i>
	n D absorption.			

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CLIENT CODE.	: KOS DIAGNOSTIC LAB		DRTING DATE	: 13/Nov/2024 12:27PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A		KING DAIL	. 13/ NOV/ 2024 12.271 W
	. 00407 1, MICHOLSON KOND, 7			
<b>Test Name</b> VITAMIN B12/COE <i>by CMIA (CHEMILUMIN</i>	BALAMIN: SERUM	Value VITAMIN B12/C 225 SSAY)	Unit OBALAMIN pg/mL	<b>Biological Reference interva</b> 190.0 - 890.0
VITAMIN B12/COE by CMIA (CHEMILUMIN INTERPRETATION:-	ESCENT MICROPARTICLE IMMUNOAS	<b>VITAMIN B12/C</b> 225	<b>OBALAMIN</b> pg/mL	190.0 - 890.0
VITAMIN B12/COE by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS	IESCENT MICROPARTICLE IMMUNOAS	VITAMIN B12/Co 225 SSAY)	OBALAMIN	190.0 - 890.0
VITAMIN B12/COE by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitan	IESCENT MICROPARTICLE IMMUNOAS SED VITAMIN B12 nin C	VITAMIN B12/C 225 SSAY)	<b>OBALAMIN</b> pg/mL DECREASED VITAMIN	190.0 - 890.0
VITAMIN B12/COE by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitan 2.Ingestion of Estro	IESCENT MICROPARTICLE IMMUNOAS SED VITAMIN B12 nin C gen	VITAMIN B12/C 225 SSAY) 1.Pregnancy 2.DRUGS:Aspi	<b>OBALAMIN</b> pg/mL <b>DECREASED VITAMIN</b> rin, Anti-convulsants	190.0 - 890.0
VITAMIN B12/COE by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitan	NESCENT MICROPARTICLE IMMUNOAS SED VITAMIN B12 nin C gen nin A	VITAMIN B12/C 225 SSAY)	DBALAMIN pg/mL DECREASED VITAMIN rin, Anti-convulsants tion	190.0 - 890.0
VITAMIN B12/COE by CMIA (CHEMILUMIN INTERPRETATION:- INCREAS 1.Ingestion of Vitan 2.Ingestion of Estro 3.Ingestion of Vitan	IESCENT MICROPARTICLE IMMUNOAS SED VITAMIN B12 nin C gen nin A jury	VITAMIN B12/C 225 SSAY) 1.Pregnancy 2.DRUGS:Aspi 3.Ethanol Iges	DBALAMIN pg/mL DECREASED VITAMIN rin, Anti-convulsants tion ve Harmones	190.0 - 890.0

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

**KOS Diagnostic Lab** 

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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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