

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



		opra Microbiology) sultant Pathologist	MD	Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist		
NAME	: Mrs. NEELAM RANI			15 10075		
AGE/ GENDER	:44 YKS/FEMALE	: 44 YRS/FEMALEPATIENT ID:REG. NO./LAB NO.:REGISTRATION DATE: 01513928COLLECTION DATE		: 1548675		
COLLECTED BY	:			: 27/Jul/2024 05:37PM		
REFERRED BY	:					
ARCODE NO.						
LIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 27/Jul/2024 07:16PM		
LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, A	AMBALA CANTT				
est Name		Value	Unit	Biological Reference interval		
	v	ITAMINS CO	MBO PANEL: 1.0			
	VIT	AMIN D/25 HY	DROXY VITAMIN D3			
VITAMIN D (25-HYDROXY VITAMIN D3): SERUM by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)		36.7	ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20.0 - 30.0 SUFFICIENCY: 30.0 - 100.0 TOXICITY: > 100.0		
ITERPRETATION:						
DEFICIENT:		< 20		ı/mL		
INSUFFICIENT: PREFFERED RANGE:				j/mL		
onversion of 7- dihy .25-OHVitamin D ra ssue and tightly bou Vitamin D plays a p hosphate reabsorpt Severe deficiency m ECREASED: Lack of sunshine ex Inadequate intake, Depressed Hepatic .Secondarv to advan .Osteoporosis and S .Enzyme Inducing dr JCREASED: . Hypervitaminosis E evere hypercalcemia AUTION: Replaceme ypervitaminosis D	drocholecalciferol to Vitamin D3 epresents the main body resevoir ind by a transport protein while rimary role in the maintenance of ion, skeletal calcium deposition, hay lead to failure to mineralize r posure. malabsorption (celiac disease) Vitamin D 25- hydroxylase activit ced Liver disease econdary Hyperparathroidism (M ugs: anti-epileptic drugs like phe b) is Rare, and is seen only after phe and hyperphophatemia. nt therapy in deficient individual individuals as compare to whites, f	in the skin upon r and transport for in circulation. of calcium homeo calcium mobiliza newly formed ost ty fild to Moderate nytoin, phenobar rolonged exposur s must be monito	Ultraviolet exposure. orm of Vitamin D and transp ostatis. It promotes calcium tion, mainly regulated by p eoid in bone, resulting in ri deficiency) rbital and carbamazepine, t re to extremely high doses ored by periodic assessmen	ecalciferol (from animals, Vitamin D3), or by bort form of Vitamin D, being stored in adipose in absorption, renal calcium absorption and arathyroid harmone (PTH). ickets in children and osteomalacia in adults. that increases Vitamin D metabolism. of Vitamin D. When it occurs, it can result in t of Vitamin D levels in order to prevent fency due to excess of melanin pigment which		
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NAME	: Mrs. NEELAM RANI					
AGE/ GENDER	: 44 YRS/FEMALE	PATIENT ID		: 1548675		
COLLECTED BY	:	<b>REG. NO./LAB NO.</b>		: 012407270049		
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>		: 27/Jul/2024 05:36 PM		
BARCODE NO.	: 01513928	COLLECTION DATE		: 27/Jul/2024 05:37PM		
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE		: 27/Jul/2024 07:25PM		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT					
Test Name		Value	Unit	Biological Reference interval		
INTERPRETATION:-	IESCENT MICROPARTICLE IMMUNOASS			N B12		
1.Ingestion of Vitan		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.Haemodialysis				
5.Myeloproliferative disorder 6.Uremia		6. Multiple Myeloma				
2.In humans, it is ob 3.The body uses its v excreted. 4.Vitamin B12 deficie ileal resection, small 5.Vitamin B12 deficie proprioception, poor the neurologic defect	ency may be due to lack of IF secret intestinal diseases). ency frequently causes macrocytic a	nd requires intrinsic fa y, reabsorbing vitamin ion by gastric mucosa anemia, glossitis, perip oral changes. These m	ctor (IF) for absorp B12 from the ileun (eg, gastrectomy, g heral neuropathy, anifestations may o	n and returning it to the liver; very little is astric atrophy) or intestinal malabsorption (eg, weakness, hyperreflexia, ataxia, loss of occur in any combination; many patients have		

**NOTE:**A normal serum concentration of vitamin B12 does not rule out tissue deficiency of vitamin B12. The most sensitive test for vitamin B12 does not rule out tissue deficiency, measurement of MMA and homocysteine should be considered, even if serum vitamin B12 concentrations are normal.

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





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