



Patient Name : Mrs.SONIA
Age/Gender : 47 Y 0 M 0 D /Female
Order Id :
Referred By : Dr.SELF
Customer Since :

Barcode : 10054855
Sample Collected On : 19/Jan/2021 06:10PM
Sample Centrifuged On :
Sample Received On : 19/Jan/2021 06:10PM
Report Generated On : 19/Jan/2021 07:19PM
Sample Temperature : Maintained

Test Name	Value	Unit	Bio. Ref Interval
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Vit D Total (25-Hydroxy)

SampleType :Serum

VITAMIN D (25 - OH VITAMIN D)	12.19	ng/mL	30 - 100
Method: CMIA			

Comment:

Biological Reference Ranges:

Deficiency	Below 20 ng/ml
Insufficiency	20 - 30 ng/ml
Sufficiency	30 - 100 ng/ml
Toxicity	Above 100 ng/ml.

The assay measures both D2 (Ergocalciferol) and D3 (Cholecalciferol) metabolites of vitamin D. Vitamin D status is best determined by measurement of 25 hydroxy vitamin D, as it is the major circulating form and has longer half life (2-3 weeks) than 1,25 dihydroxy vitamin D (5-8 hrs).

The reference ranges discussed in the preceding are related to total 25-OH-D; as long as the combined total is 30 ng/mL or more, the patient has sufficient vitamin D. Levels needed to prevent rickets and osteomalacia (12 ng/mL) are lower than those that dramatically suppress parathyroid hormone levels (20-30 ng/mL). In turn, those levels are lower than levels needed to optimize intestinal calcium absorption (30 ng/mL). Neuromuscular peak performance is associated with levels approximately 38 ng/mL.

*** End Of Report ***

Dr. Sumera Amin
MBBS.DCP
Head of Laboratory



SIN No:10054855