

**LPL - PRODUCTION TEST COLLECTION
 CENTRE
 SECTOR - 18, BLOCK-E ROHINI
 DELHI 110085**

| | | | |
|-------------------|-------------|---------------------------------|------------------------------|
| Name | : DUMMY | Collected | : 1/6/2021 5:31:00AM |
| Lab No. | : DUMMYR119 | Age: 25 Years | Gender: Male |
| A/c Status | : P | Ref By : DR. DUMMY DUMMY | Report Status : Final |

| Test Name | Results | Units | Bio. Ref. Interval |
|--|--------------|--------|--------------------|
| VITAMIN D, 25 - HYDROXY, SERUM (CLIA) | 11.00 | nmol/L | 75.00 - 250.00 |

Interpretation

| LEVEL | REFERENCE RANGE IN nmol/L | COMMENTS |
|------------------------|------------------------------|--|
| Deficient | < 50 | High risk for developing bone disease |
| Insufficient | 50-74 | Vitamin D concentration which normalizes Parathyroid hormone concentration |
| Sufficient | 75-250 | Optimal concentration for maximal health benefit |
| Potential intoxication | >250 | High risk for toxic effects |

Note

- The assay measures both D2 (Ergocalciferol) and D3 (Cholecalciferol) metabolites of vitamin D.
- 25 (OH)D is influenced by sunlight, latitude, skin pigmentation, sunscreen use and hepatic function.
- Optimal calcium absorption requires vitamin D 25 (OH) levels exceeding 75 nmol/L.
- It shows seasonal variation, with values being 40-50% lower in winter than in summer.
- Levels vary with age and are increased in pregnancy.
- A new test Vitamin D, Ultrasensitive by LC-MS/MS is also available

Comments

Vitamin D promotes absorption of calcium and phosphorus and mineralization of bones and teeth. Deficiency in children causes Rickets and in adults leads to Osteomalacia. It can also lead to Hypocalcemia and Tetany. 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).

Decreased Levels



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| | | | | | | | | |
|------------|---|-----------|---------------|-----------------|---------------|---|----------|-----------|
| Name | : | DUMMY | | | Collected | : | 1/6/2021 | 5:31:00AM |
| Lab No. | : | DUMMYR119 | Age: 25 Years | Gender: Male | Received | : | 1/6/2021 | 5:32:55PM |
| | | | | | Reported | : | 2/6/2021 | 2:18:53PM |
| A/c Status | : | P | Ref By : | DR. DUMMY DUMMY | Report Status | : | Final | |

| Test Name | Results | Units | Bio. Ref. Interval |
|---|---------|-------|--------------------|
| <ul style="list-style-type: none"> Inadequate exposure to sunlight Dietary deficiency Vitamin D malabsorption Severe Hepatocellular disease Drugs like Anticonvulsants Nephrotic syndrome | | | |

Increased levels

Vitamin D intoxication



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-----End of report -----

IMPORTANT INSTRUCTIONS

*Test results released pertain to the specimen submitted.*All test results are dependent on the quality of the sample received by the Laboratory.
*Laboratory investigations are only a tool to facilitate in arriving at a diagnosis and should be clinically correlated by the Referring Physician.*Sample repeats are accepted on request of Referring Physician within 7 days post reporting.*Report delivery may be delayed due to unforeseen circumstances. Inconvenience is regretted.*Certain tests may require further testing at additional cost for derivation of exact value. Kindly submit request within 72 hours post reporting.*Test results may show interlaboratory variations.*The Courts/Forum at Delhi shall have exclusive jurisdiction in all disputes/claims concerning the test(s) & or results of test(s).*Test results are not valid for medico legal purposes. *Contact customer care Tel No. +91-11-39885050 for all queries related to test results.
(#) Sample drawn from outside source.

