H·O·D
HOUSE of DIAGNOSTICS

Patient Name :	Demo Patient Name	**Lab No :**	Demo Visit No
Age / Sex :	3 Y / F	**Registration On :**	21-Jan-25 18:18
Referred By :	DEMO HOSPITAL	**Patient ID :**	UHID.DEMO.001
Centre :	HOD Head Office		

Vitamin D, 25 - Hydroxy

Serum Sample

Accession No: DEMO_BARCODE **Collected On:** 21-Jan-25 18:18 **Received On:** 21-Jan-25 19:39 **Approved On:** 21-Jan-25 20:26

Observation	Result	Unit	Biological Ref. Interval	Method
25-OH Vitamin D (Total)	24.6	ng/mL	20 - 100	CLIA

Technology: VITROS Microwell, Microsensor, and Intellicheck Technology
Analyzer: Fully Automated Integrated Biochemistry and ImmunoAssay: VITROS 5600

Clinical Significance: The major circulating form of vitamin D is 25-hydroxyvitamin D (25(OH)D); thus, the total serum 25(OH)D level is currently considered the best indicator of vitamin D supply to the body from cutaneous synthesis and nutritional intake. The reference range of the total 25(OH)D level is 20-100 ng/mL.
There are two principal forms of vitamin D: D2 and D3. Many of the currently available assays measure and report on both vitamin D2 and D3 metabolites. This can be useful in studies evaluating the contribution of vitamin D2 and D3 to overall vitamin D status. 25-hydroxyvitamin D (25(OH)D) is the major circulating form of vitamin D; thus, the total serum 25(OH)D level is currently considered the best indicator of vitamin D supply to the body from cutaneous synthesis and nutritional intake.
One exception is that 25(OH)D levels do not indicate clinical vitamin D status in patients with chronic renal failure or type 1 vitamin D-dependent rickets or when calcitriol (1,25-dihydroxy vitamin D) is used as a supplement. Interpretation of 25(OH)D can be challenging owing to wide variability in patient's weight, ethnicity, assays, laboratory procedures and validation of reference ranges.
Vitamin D deficiency is defined by most experts as a serum 25(OH)D level of less than 20 ng/mL.
Vitamin D insufficiency has been defined as a serum 25(OH)D level of 20-29 ng/mL.
Vitamin D sufficiency has been defined as serum 25(OH)D levels of 30-100 ng/mL.
Vitamin D toxicity is observed when serum 25(OH)D levels are greater than 100 ng/mL.

Remarks: *Please correlate results clinically*.

This is a **Demo Signature**
and the doctor's signature should appear here

In case of any unexpected or alarming results, please contact us immediately for re-confirmation, clarifications, and rectifications, if needed.

Scan to Validate