

Patient Name	: Mr. FRANKLYN JAAY BACON	Sample UID No.	: 4088416
Age / Gender	: 14 Y / Male	Sample Collected On	: 18-06-2025 17:06
Patient ID	: QLD088228	Registered On	: 18-06-2025 22:58
Referred By	: Dr. AISHA	Reported on	: 19-06-2025 06:38
Referral Client	: CITICARE MEDICAL CENTER	External Patient ID	: 47186
Emirates ID / Passport No	:	Print Version	: V.1

Department of IMMUNOLOGY

<u>Investigation</u>	<u>Results</u>	<u>Flag</u>	<u>Units</u>	<u>Biological Reference Interval</u>	<u>Method</u>
VITAMIN D, 25-OH (TOTAL)	24.6		ng/mL	Deficient : ≤ 20 insufficient: 21-29 Sufficient: ≥ 30 Toxicity : >80	ECLIA

Sample: Serum

Comments :

CLINICAL IMPLICATIONS:

1. Increased Vitamin D levels are seen in gastrointestinal symptoms like anorexia, nausea, vomiting, constipation, hypercalcemia, renal colic, supplements, normal growing children, pregnant and lactating females, tuberculosis, idiopathic hypercalciuria, sarcoidosis. Levels can increase to 200 -300pg/ml during treatment of osteoma Lacia with physiological doses of vitamin D.
2. Decreased levels are seen in Inadequate diet, Inadequate exposure to sunlight, liver disease, Malabsorption syndrome, osteoma Lacia, Anticonvulsants, rickets, chronic renal failure, pseudohypoparathyroidism, post-menopausal osteoporosis and adults with insulin requiring diabetes mellitus.
3. 25(OH) levels do not indicate clinical vitamin D status in patients with chronic renal failure or type 1 vitamin D dependent rickets or when calcitriol is used as a supplement.

INTERFERING FACTORS:

Age, season of the year, diarrhoea or vomiting, certain drugs, diseases, and long term hyperalimentation are the factors that may interfere with the vitamin levels.

RECOMMENDATION:

Recommended to evaluate alternate cause of impaired mineralization ,if the levels are not consistent with the suspected diagnosis.

REFERENCE:

- 1) Manual of Laboratory and Diagnostics -Frances Fischbach Marshall B. Dunning III [9th Edition]
- 2) Tietz clinical guide to Laboratory tests(Fourth edition) ALAN H.B.WU
- 3) Clinical microbiology procedures 4th edition AMY L LEBER

- END OF REPORT -

"QLabs compliance with ISO 15189:2022 standards"

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