LABORATORY REPORT

ISO 9001 :2015

Redcliffe labs

Patient Name	:		
DOB/Age/Gender	:	Bill Date	:
Patient ID / UHID	:	Sample Collected	:
Referred By	:	Sample Received	:
Sample Type	:	Report Date	:
Barcode No	:	Report Status	:

Test Description	Value(s)	Unit(s)	Reference Range
BIOCHEMISTRY REPORT			
1,25-Dihydroxy Vitamin D			
1,25-Dihydroxy vitamin D Method : CLIA	60.8	pg/mL	19.9 - 79.3

Interpretation:
The assay measures both D2 (Ergocalciferol) and D3 (Cholecalciferol) metabolites of vitamin D 1,25-dihydroxy vitamin D concentrations are not a reliable indicator of vitamin D toxicity; normal (or even low) results may be seen in such cases.

Comment
1,25 dihydroxy Vitamin D is the major biologically active form of Vitamin D. Its concentration is only 1/1000 that of 25, hydroxy Vitamin D and has half life of 5 to 6 hrs. Circulating levels are regulated by PTH, phosphate & calcium. While 1,25-dihydroxy vitamin D is the most potent vitamin D metabolite, levels of the 25-OH forms of vitamin D more accurately reflect the body's vitamin D stores. However, in the presence of renal disease, 1,25-dihydroxy vitamin D levels may be needed to adequately assess vitamin D status

Uses
· Differentiation of Primary hyperparathyroidism from Hypercalcaemia of cancer
· Differentiation of Vitamin D dependent and Vitamin D resistant rickets
· Monitoring Vitamin D status in Chronic renal failure
· Assessing compliance of 1,25 dihydroxy Vitamin D therapy

Increased levels
· Granulomatous disease
· Primary hyperparathyroidism
· Lymphoma
· 1,25 dihydroxy Vitamin D intoxication
· Vitamin D dependent Rickets type II

Decreased levels
· Renal failure
· Hyperphosphatemia
· Hypomagnesemia
· Hypoparathyroidism
· Pseudohypoparathyroidism
· Vitamin D dependent Rickets Type I
· Hypercalcemia of malignancy

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1. The presented findings in the Reports are intended solely for informational and interpretational purposes by the referring physician or other qualified medical professionals possessing a comprehensive understanding of reporting units, reference ranges, and technological limitations. The laboratory shall not be held liable for any interpretation or misinterpretation of the results, nor for any consequential or incidental damages arising from such interpretation.

2. It is to be presumed that the tests performed pertain to the specimen/sample attributed to the Customer's name or identification. It is presumed that the verification particulars have been cleared out by the customer or his/her representation at the point of generation of said specimen / sample. It is hereby clarified that the reports furnished are restricted solely to the given specimen only.

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4. This report shall not be deemed valid or admissible for any medico-legal purposes.

5. The Customers assume full responsibility for apprising the Company of any factors that may impact the test finding. These factors, among others, includes dietary intake, alcohol, or medication / drug(s) consumption, or fasting. This list of factors is only representative and not exhaustive.

DISCLAIMER

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