

Vitamin D 25-Hydroxy Fractionated (D2,D3)

 Order Name: **VIT D FRX**

Test Number: 3607325

Revision Date: 03/31/2023

| TEST NAME | METHODOLOGY | LOINC CODE |
|----------------------------|--|------------|
| Vitamin D 25-Hydroxy (D2) | Liquid Chromatography/Tandem Mass Spectrometry | 49054-0 |
| Vitamin D 25-Hydroxy (D3) | Liquid Chromatography/Tandem Mass Spectrometry | 1989-3 |
| Vitamin D 25-Hydroxy Total | Liquid Chromatography/Tandem Mass Spectrometry | 62292-8 |

SPECIMEN REQUIREMENTS

| Specimen | Specimen Volume (min) | Specimen Type | Specimen Container | Transport Environment |
|--------------|---|---------------|------------------------------------|-----------------------|
| Preferred | 1 mL (0.5 mL) | Serum | Clot Activator (SST or Red No-Gel) | Frozen |
| Instructions | Container: SST gel-barrier tube, Red-top tube. Minimum Volume: 0.5 mL (Note: This volume does not allow for repeat testing.) Collection: Serum must be separated from cells within 45 minutes of venipuncture. Submit serum in a plastic transport tube. Stability: frozen for 34 months. Stable at Room Temperature or Refrigerated for 7 days. | | | |

GENERAL INFORMATION

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|--|--|
| Expected TAT | 4 - 10 days |
| Clinical Use | Fractionated Vitamin D2,D3 levels are suggested when total Vitamin D (Vit D 25-OH) levels are <20 ng/mL indicating Vitamin D deficiency. |
| Measurement of serum 25-OH vitamin D concentrations provide a good index of circulating vitamin D activity in patients not suffering from renal disease. Lower than normal 25-OH vitamin D levels can result from a dietary deficiency, poor absorption of the vitamin or impaired metabolism of the sterol in the liver. A 25-OH vitamin D deficiency can lead to bone diseases such as rickets and osteomalacia. Above normal levels can lead to hypercalcemia. This assay employs liquid chromatography tandem mass spectrometry to independently measure and report the two common forms of 25-hydroxy vitamin D: 25OH D3 - the endogenous form of the vitamin and 25OH D2 - the analog form used to treat 25OH Vitamin D3 deficiency. | |
| Notes | Labcorp Test Code: 504115 |
| CPT Code(s) | 82306 |
| Service Provided By |  labcorp Oklahoma, Inc. |