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**Lab Dep:** Chemistry

**Test Name:** VITAMIN D, 25-HYDROXY

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***General Information***

**Lab Order Codes:** VDT

**Synonyms:** Vitamin D Assay; 25-Hydroxycholecalciferol; 25-OH-Vitamin D; 25-Hydroxy D2, 25-Hydroxy D3; Calcidiol

**CPT Codes:** 82306 – Calcifediol (25-OH Vitamin D-3)

**Test Includes:** Total 25-hydroxyvitamin measured in ng/mL.

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***Logistics***

**Test Indications:** The test is used to assess patient's vitamin D status, evaluate hypo and hypercalcemia and to investigate the causes of osteomalacia and rickets. Also useful in monitoring vitamin D replacement therapy.

**Lab Testing Sections:** Chemistry (Performed on the St. Paul Campus)

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 1 – 3 days, performed Monday - Friday

**Special Instructions:** See [Patient Preparation](#)

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***Specimen***

**Specimen Type:** Blood

**Container:** Red, marble, or gold top tube

**Draw Volume:** 1.5 mL blood

**Processed Volume:** 0.5 mL (Minimum: 0.25 mL) serum

**Collection:** Routine venipuncture, capillary specimens are not recommended

<b>Special Processing:</b>	Lab Staff: Centrifuge specimen when clotted, remove serum aliquot into a screw-capped plastic vial. Store at refrigerated temperatures for up to 5 days.
<b>Patient Preparation:</b>	Fasting samples are recommended, but not required
<b>Sample Rejection:</b>	Specimens other than serum; unlabeled or mislabeled specimens

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***Interpretive***

**Reference Range:**

All ages: 30 – 100 ng/mL

**Critical Values:**

N/A

**Limitations:**

- Gross hemolysis falsely elevates Vitamin D.
- The test cross-reacts with dihydroxylated metabolites of Vitamin D.

**Methodology:**

Direct competitive chemiluminescent immunoassay

**References:**

Liason 25 OH Vitamin D, Product Insert 1/2009, DiaSorin, Inc.

**Updates:**

2/9/2016: Update container types