

**New Test Notification**  
**Serum 1, 25 Dihydroxy Vitamin D**  
 Immunodiagnosics

**DMC University Laboratories is pleased to announce that effective March 1, 2016 serum 1, 25-Dihydroxy Vitamin D testing will be available in house.**

Vitamin D is a generic designation for a group of fat-soluble, structurally similar sterols including ergocalciferol D2 from plants and cholecalciferol D3 from animals.

Vitamin D is rapidly metabolized in the liver to form 25-hydroxy (OH) vitamin D. Additional hydroxylation of 25-OH vitamin D takes place in the kidney by 1-alpha hydroxylase, under the control of parathyroid hormone, to yield 1,25-dihydroxy vitamin D.

1,25-Dihydroxy vitamin D is the most potent vitamin D metabolite. It stimulates calcium absorption in the intestine and its production is tightly regulated through concentrations of serum calcium, phosphorus, and parathyroid hormone.

1,25-Dihydroxy vitamin D levels are decreased in hypoparathyroidism and in chronic renal failure.

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.

The preferred initial test for assessing vitamin D status is Vitamin D, 25 OH. However, in the presence of renal disease, 1,25-dihydroxy vitamin D levels may be needed to adequately assess vitamin D status.

**Ordering Information; Test Name: Vit D 1,25 DiHydrox**

**Antrim: 336628**

**CIS: VITD1**

**Sunquest: VITD1**

Specimen Type/Specimen Requirements: Serum (Gold-SST). Samples must be centrifuged within 2 Hrs after collection. Serum/Plasma should be aliquotted (2 mL Serum required).

Unacceptable: Hemolyzed specimen, EDTA plasma.

Transport: Room temperature

Testing schedule: Monday through Friday (Days only).

**Technical inquiries:**

Questions and concerns may be directed as follows:

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