

## New Test Available 25-OH Vitamin D Total

We are pleased to announce a new service for our healthcare providers. Starting June 1, 2010, the 25-OH Vitamin D Total assay will be performed at the Core lab using an FDA -approved chemiluminescent immunoassay method. This will greatly reduce overall turnaround time.

**CLINICAL INFORMATION:** The role of vitamin D in bone and mineral metabolism was first recognized as a factor that could cure rickets. However, vitamin D is now recognized as a pro-hormone that has multiple roles in maintaining optimal health.

Vitamin D<sub>3</sub> (cholecalciferol) and Vitamin D<sub>2</sub> (ergocalciferol) are the most abundant forms of Vitamin D in the body. Vitamin D<sub>3</sub> is synthesized in the skin from 7dehydro-cholesterol in response to sunlight. The best nutrition sources of D<sub>3</sub> are oily fish primarily salmon and mackerel. Vitamin D<sub>2</sub>'s nutrition sources are from some vegetables, yeast and fungi.

Vitamin D deficiency is commonly treated with vitamin D<sub>2</sub> or D<sub>3</sub> medications. Fortified foods and nutritional supplements may contain either form. To ensure accurate assessment, all forms (D<sub>3</sub>, D<sub>2</sub> and metabolites) must be measured. Total serum concentration of 25-OH Vitamin D is the best indicator of vitamin D status. It reflects vitamin D produced cutaneously and that obtained from food and supplements.

**METHODOLOGY:** Chemiluminescent immunoassay

**SPECIMEN COLLECTION:**

Source: 0.5 mL serum or plasma (EDTA or lithium heparin)  
Stability: 5 days refrigerated  
Rejection criteria: Hemolysis or lipemia

**PRODUCTION SCHEDULE:** Monday through Sunday

<b>REFERENCE RANGE:</b>	<u>Vitamin D status</u>	<u>25 OH Vitamin D</u>
	Deficiency	<10 ng/mL
	Insufficiency	10-29.9 ng/mL
	Sufficiency	30-100 ng/mL
	Toxicity	>100 ng/mL

**SOFT ORDER CODE:** VITDT  
**CPT CODE:** 82306

*For further test information, please contact our client services department (800) 937-5521*