

Vitamin D, 25-Hydroxy LC/MS/MS

Independently identifies and reports Vitamin D₂, 25-Hydroxy and Vitamin D₃, 25-Hydroxy

LIQUID CHROMATOGRAPHY TANDEM MASS SPECTROMETRY (LC/MS/MS)

- Provides highly sensitive detection of vitamin D
- Improved specificity due to direct measurement of vitamin D₂ and vitamin D₃
- Reduced anxiety time for your patients: assay performed 5 days/week and reports next day
- Consultation on complex cases available

Ultra-Specific with Triple Selection

Traditional enzyme immunoassays (EIA) and radioimmunoassays (RIA) are less sensitive than LC/MS/MS and provide a measurement of total vitamin D only. Moreover, immunoassays sometimes underestimate the level of vitamin D because they have diminished cross-reactivity with vitamin D₂. This is especially important when monitoring patients being treated with vitamin D₂ supplements. Since our LC/MS/MS method independently quantitates both vitamin D₂ and D₃, the test results can be correlated with the supplemental dosage of either vitamin D₂ or D₃. Quest Diagnostics' LC/MS/MS also requires lower sample volume than other methods.

HOW IS IT USED?

- Measurement of circulating levels of 25-hydroxyvitamin D (25OHD) is important in the diagnosis of intestinal malabsorption and vitamin D deficiency or intoxication.
- Measurement of the 2 forms of vitamin D (vitamin D₂ and vitamin D₃) is important when monitoring vitamin D supplementation, since both forms are available in supplements.

Test Code	17306X
Specimen Requirements	0.25 mL serum (0.15 mL minimum)
Specimen Collection	Collect blood by venipuncture into plain tubes (without anticoagulant). Separate the serum from the cells. Fasting preferred, but not required. SST NOT ACCEPTABLE
Client Services Contacts	San Juan Capistrano, California (800) NICHOLS x4721 or (949) 728-4721 Chantilly, Virginia (800) 336-3718 x3011 or (703) 802-6900 x3011

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