

1/20/2014 - New Release, Quest Diagnostics Nichols Institute, Valencia

NEW TESTS			
Please Note: Not all test codes assigned to each assay are listed in the table of contents. Please refer to the complete listing on the page numbers indicated.			
Test Code	Test Name	Effective Date	Page #
91935	QuestAssureD™ for Infants, 25-Hydroxyvitamin D, LC/MS/MS	2/3/2014	1

## New Test Offerings

The following tests will be available through Quest Diagnostics on the dates indicated below.

QuestAssureD™ for Infants, 25-Hydroxyvitamin D, LC/MS/MS	
Message	<b>**This test is not available for New York Patient testing.**</b>
Clinical Significance	<p>While measurements of 25(OH)D provide a good index of circulating Vitamin D activity in patients not suffering from renal disease, for infants less than 2 years of age it is important to remove circulating levels of the inactive c3-epimer of Vitamin D from the sample so that total Vitamin D levels are not falsely elevated. Falsely elevated results could erroneously make the child appear to be within normal limits and result in potential under-treatment. Levels of c3-epimer in older children and adults are usually negligible and do not cause falsely elevated Vitamin D results.</p> <p>This assay employs advanced liquid chromatography - tandem mass spectrometry, which enables the chromatographic separation of the c3-epimer from 25-OH Vitamin D thereby allowing accurate measurement in the presence of c3-epimer. While this assay will produce accurate Vitamin D results on patients of any age, it is specifically indicated for infants (0 - 2 years of age).</p>
Effective Date	2/3/2014
Test Code	91935
CPT Codes	82306
Specimen Requirements	0.5 mL (0.2 mL minimum) serum
Reject Criteria	Heparinized plasma is not acceptable, gross hemolysis, gross icteric, gross lipemia, unseparated serum (>48 hours on the clot), serum separator tube not separated from the gel within 48 hours
Instructions	Fasting samples are preferred but not required. Collect blood in a standard red-top serum vacutainer tube. Allow blood to clot at room temperature. Centrifuge and separate the serum from the cells immediately. Alternatively, collect blood in an serum separator tube at room temperature, centrifuge and remove from the gel within 48 hours.
Transport Temperature	Room temperature
Specimen Stability	Room temperature and Refrigerated: 7 days Frozen: 28 days
Set-up/Analytic Time	Set up: Daily; Report available: 2-3 days
Reference Range	Vitamin D, 25-OH, Total: 30-100 ng/mL Vitamin D, 25-OH, D3: Not Established Vitamin D, 25-OH, D2: Not Established
Always Message	<p>This test excludes the inactive 3'epimer form of 25-hydroxyvitaminD (3-epi-25OHD) which is common in infants.</p> <p>25(OH)D3 indicates both endogenous production and supplementation. 25(OH)D2 is an indicator of exogenous sources such as diet or supplementation. Therapy is based on measurement of total 25(OH) D, with levels &lt;20 ng/mL indicative of Vitamin D deficiency, while levels between 20 ng/mL and 30 ng/mL suggest insufficiency. Optimal levels are &gt; or = 30 ng/mL.</p>
Methodology	Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS)

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Performing Site	Quest Diagnostics Nichols Institute, Valencia		
CPU Mappings	<b>Result Code</b>	<b>Result Name</b>	<b>Unit of Measure</b>
	86010333	Vitamin D, 25-OH, Total	ng/mL
	86010334	Vitamin D, 25-OH, D3	ng/mL
	86010335	Vitamin D, 25-OH, D2	ng/mL