



## Vitamin D Testing Update

**Effective Date:**

August 23, 2021

**Contact:** Customer Care

### Overview:

The primary test naming for the Vitamin D analyte will be changing 8/23/21. After this date, the current Vitamin D test orderable in physicians' favorites folder will not be available. IUHPL requests that the test code **Vitamin D Total** be put in the favorites folder. This test measures the **total** 25-hydroxy-vitamin D (25-OH vitamin D, i.e. 25-OH vitamin D2 + D3) concentration by the immunoassay method. This test is performed continuously 24/7/365 at IUHPL.

IUHPL requests that the Vitamin D by LC-MS/MS test be ordered only when fractionation of vitamin D into its D2 and D3 components is clinically necessary, such as when following vitamin D2 levels on a patient receiving vitamin D2 therapy. Vitamin D2's contribution to the total vitamin D level is typically minimal—of the ~76,000 fractionated vitamin D tests performed at IUHPL last year, only 11% had a detectable concentration of vitamin D2.

### Updated Test Codes for Vitamin D:

#### Vitamin D Total

- Methodology – Immunoassay
- Measures total 25-OH Vitamin D concentration, the analyte that is monitored for vitamin D sufficiency
- Performed continuously, 24/7/365

#### Vitamin D by LC-MS/MS –

- Methodology - LC-MS/MS
- Fractionates vitamin D into D2 and D3 components, adds D2 and D3 together for total 25-OH vitamin D concentration
- Batched testing, Monday-Friday day shift, 48-to-72-hour turnaround time

### Questions

For questions on test requirements or ordering, please call Customer Care at 317-491-6000 or 800-433-0740. With clinical concerns/questions, please contact Michelle K. Zimmerman, MD, MBA, Director of Clinical Chemistry, IU Health Pathology Laboratory at 317-491-6558 or [mzimmer1@iuhealth.org](mailto:mzimmer1@iuhealth.org).