*Excellence in Pathology and Laboratory Services*

# Test Update

**From Your Laboratory Service Provider, PathGroup Labs**

## Methodology change for Vitamin D 25- Hydroxy Testing

Samuel Smith, MD Lab Director / Jeff Johnson, Clinical Operations Manager

### Overview and Clinical Utility:

Effective September 1, 2010 PathGroup Labs will begin performing Vitamin D 25 OH using chemiluminescence technology. Test code ordering will remain the same. Report format will also remain the same. Turnaround time will decrease with the new methodology, allowing for faster turnaround time for results.

### Test Methodology:

This chemiluminescence technology on the IDS iSYS Multi-Discipline Automated Analyzer is intended for the quantitative determination of 25-hydroxyvitamnin D (25OHD) in human serum. In conjunction with clinical findings, this test is indicated to assist the clinician in the assessment of vitamin D sufficiency in an adult population.

### Ordering:

| Test Code | Test Name: | CPT: | LOINC: |
|---|---|---|---|
| **VD25H** | **Vitamin D 25-Hydroxy** | **82306** | **1989-3** |

### Reference interval for 25 OHD:

**New Reference Range:**

| Methodology: Chemiluminescence | Methodology: EIA |
|---|---|
| 30 - 80 | 30 - 80 |
| Units: ng/mL | Units: ng/mL |

### Interpretation of Vitamin D 25 OH levels:

| Level | Range (ng/mL) |
|---|---|
| Deficient | < 10 |
| Insufficient | 10 - 29 |
| Sufficient (Optimal) | 30 - 100 |
| Potential Intoxication | > 100 |

### Specimen Collection and Storage:

1) Collect specimen in a serum separator tube.
   a) Allow serum tube to clot for 30 minutes.
   b) Spin serum separator tube 10-15 minutes @ 3500 rpm.
2) Serum specimens are stable refrigerated for 3 days or frozen for 30 days.

### Test Performed:

Monday - Friday

### Turnaround time:

24 hours

**For further questions, please contact Client Services at 615-562-9300 or 1-888-474-5227.**