




**Hagerstown Medical Laboratory, Inc.**  
 Robinwood Medical Center  
 Suite 230  
 11110 Medical Campus Road  
 Hagerstown, MD 21742  
 Telephone: 301-665-4LAB (4522)  
 Toll-free: 800-428-2105

**Director:** John G. Newby, M.D., F.C.A.P.    **Associate Directors:** Chris J. Dempsher, M.D., F.C.A.P.    Gary M Mire, M.D., F.C.A.P.    Michael J. O'Donoghue, M.D., F.C.A.P.

To:                    Submitting Physicians and other Providers

From:                John G. Newby, MD  
                           Medical Director      

Subject:             25-OH Vitamin D Assay

This letter is to inform you of upcoming changes to the 25-OH Vitamin D testing method in our clinical laboratory.

Like many laboratories across the country, our laboratory has experienced a significant increase in the volume of 25 OH Vitamin D testing. Vitamin D status has been linked to the optimal function of bone, intestine, and kidney. At this time it is thought that many major disease processes may be influenced by decreased levels of Vitamin D including: diabetes, hypertension, cardiovascular disease, depression, and cancer. As new studies and clinical trials have revealed expanding roles for this vitamin, more clinicians are seeing the benefits of monitoring their patient's Vitamin D status. To meet the escalating demands, our clinical laboratory will be changing to a chemiluminescent immunoassay effective June 29, 2010. We will report a **Total** 25-OH Vitamin D, which includes both Vitamin D2 and D3 measurements. The total is considered appropriate for most clinical applications. Correlation studies were performed and it was determined that the new methodology runs slightly lower in comparison to the LC-MS method.

Testing will be performed Monday- Friday with a one day turnaround. Vitamin D status may be interpreted as follows:

Vitamin D status	Total 25 OH Vitamin D
Deficiency	< 10 ng/mL
Insufficiency	10-30 ng/mL
Sufficiency	30-100 ng/mL
Toxicity	>100 ng/mL

Any questions regarding this change may be referred to me or HML's Chemistry Technical Specialist, Myrna Hale, at 301-665-4983.