

**NOW INTRODUCING THE**  
**DIAZYME EZ VITAMIN D ASSAY**

Vitamin D Testing Has  
Never Been Easier!

**DIAZYME EZ VITAMIN D ASSAY ADVANTAGES**

- The first and only 2-reagent Vitamin D assay for clinical chemistry analyzers
- Rapid throughput with approximately 300 tests/hour on most analyzers
- No sample pre-treatments or pre-dilution steps required
- Recognizes both 25-OH Vitamin D2 and D3 equally
- Traceability to NIST (SRM 972) and recovers DEQAS
- Good correlation to LC-MS/MS method
- Linear Range: (7.6 - 147.8 ng/mL)
- Compatible with most clinical chemistry analyzers



510(k) Cleared; EU:  

# DIAZYME EZ VITAMIN D ASSAY

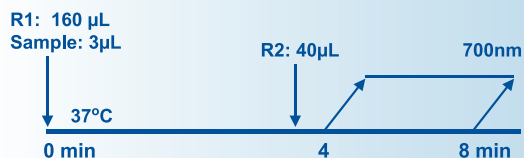
Dual Vial Liquid Stable



## ASSAY SPECIFICATIONS

<b>Method</b>	Latex Enhanced Immunoturbidimetric
<b>Sample Type &amp; Volume</b>	• Serum • Plasma  Sample Volume 3 $\mu$ L
<b>Method Correlation</b>	N = 171 y-intercept = -3.03 Slope = 1.062 $R^2 = 0.9575$ Samples Ranged From: 8.4 - 146.8 ng/mL
<b>Linear Range</b>	7.6 - 147.8 ng/mL
<b>LOB</b>	1.2 ng/mL
<b>LOD</b>	2.9 ng/mL
<b>LOQ</b>	7.6 ng/mL
<b>Calibration Levels</b>	5-Point Calibration

### Diazyme EZ Vitamin D Assay Procedure\*



\*Analyzer Dependent

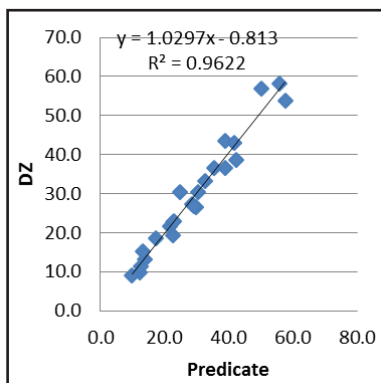
For a list of validated parameters please contact Diazyme technical support at 858-455-4768 or email support@diazyme.com

## PRECISION

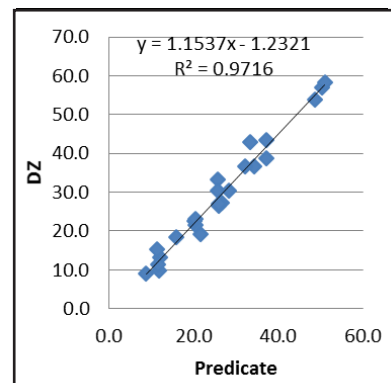
25-OH Vitamin D (ng/mL)			Within-Run		Between-Run		Total	
Specimen	n	Mean	SD	%CV	SD	%CV	SD	%CV
Control #1	80	21.7	0.9	3.9%	0.6	2.8%	1.3	6.2%
Control #2	80	42.5	1.0	2.4%	0.8	2.0%	1.7	3.9%
Sample #1	80	22.1	0.8	3.8%	0.8	3.8%	1.2	5.6%
Sample #2	80	42.8	0.9	2.0%	1.0	2.4%	1.3	3.1%
Sample #3	80	99.5	1.8	1.8%	1.5	1.6%	2.7	2.8%

## ASSAY METHOD COMPARISON

A comparison of the EZ Vitamin D assay (y) using samples measured with LC-MS/MS (x) gave the following correlation:

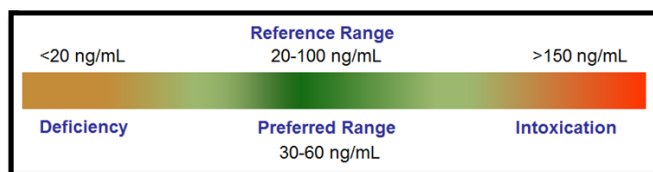


A comparison of the EZ Vitamin D assay (y) using samples measured with a commercially available 25-hydroxyvitamin D immunoassay (x) gave the following correlation:



**Conclusion:** Diazyme EZ Vitamin D assay has a good correlation with a commercially available 25-hydroxyvitamin D immunoassay ( $R^2 > 0.97$ )

## VITAMIN D DEFICIENCY & INTOXICATION



2007 M. Holick, NEJM 357:3; 2007 J. Hathcock et.al Am J Clin Nutr. 85: 6

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