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: 

INNOVATIONS IN CLINICAL DIAGNOSTICS
ASSAY SPECIFICATIONS

<table>
<thead>
<tr>
<th>Method</th>
<th>Latex Enhanced Immunoturbidimetric</th>
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| Sample Type & Volume | • Serum  
• Plasma  
Sample Volume 3 μL |
| Method Correlation | N = 171  
y-intercept = -3.03  
Slope = 1.062  
R² = 0.9575  
Samples Ranged From: 8.4 - 146.8 ng/mL |
| Linear Range | 7.6 - 147.8 ng/mL |
| LOB | 1.2 ng/mL |
| LOD | 2.9 ng/mL |
| LOQ | 7.6 ng/mL |
| Calibration Levels | 5-Point Calibration |

Diazyme EZ Vitamin D Assay Procedure*

R1: 160 μL  
Sample: 3μL  
37°C  
0 min  
R2: 40μL  
700nm  
4 min  
8 min

*Analyzer Dependent

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

ASSAY METHOD COMPARISON

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

\[
y = 1.0297x - 0.813  
R² = 0.9622
\]

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:

\[
y = 1.15376x - 1.2321  
R² = 0.9716
\]

Conclusion: Diazyme EZ Vitamin D assay has a good correlation with a commercially available 25-hydroxyvitamin D immunoassay (R² > 0.97)

VITAMIN D DEFICIENCY & INTOXICATION


DIAZYME LABORATORIES, INC.
12889 Gregg Court, Poway, CA 92064
PO Box 85608, San Diego, CA 92186
Tel: 858-455-4768 888-DIAZYME
www.diazyme.com sales@diazyme.com

DIAZYME EUROPE GMBH
Zum Windkanal 21, 01109 Dresden, Deutschland
Tel. +49 (0) 351 886 3300  Fax +49 (0) 351 886 3366
sales@diazyme.de

SHANGHAI DIAZYME CO., LTD.
Room 201,1011 Halei Road, Zhangjiang Hi-tech Park, Shanghai, 201203, People’s Republic of China
Tel: 086-21-51320668  Fax: 086-21-51320663
www.lanyuanbio.com service@lanyuanbio.com