Introducing Enzymatic Tests for Three Major Vitamins

The *First* Homogeneous Vitamin Test Panel for Your Clinical Chemistry Analyzer

- Accurate and precise
- Rapid results
- Low cost per test
## DIAZYME VITAMINS

<table>
<thead>
<tr>
<th></th>
<th>25-OH VITAMIN D</th>
<th>VITAMIN B12</th>
<th>FOLATE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Method</strong></td>
<td>FemtoQuant™ Enzyme Immunoassay</td>
<td>FemtoQuant™ Enzyme Immunoassay</td>
<td>FemtoQuant™ Enzyme Immunoassay</td>
</tr>
</tbody>
</table>
| **Sample Type & Volume** | • Serum  
• Plasma  
- K$_2$-EDTA  
- Li-heparin | • Human Serum  
Sample Volume 25 μL | • Serum  
Sample Volume 25 μL |
| **Sample Volume** | Sample Volume 20 μL | Sample Volume 25 μL | Sample Volume 25 μL |
| **Precision**    | Within-Run: 2.2% - 14.2%  
Between-Run: 2.0% - 10.4%  
Total: 2.9% - 14.0% | Within-Run: 2.3% - 8.2%  
Between-Run: 0.6% - 4.2%  
Total: 3.1% - 9.3% | Within-Run: 3.7% - 6.4%  
Between-Run: 1.7% - 4.5%  
Total: 5.4% - 7.5% |
| **Method Correlation** | N = 98  
y-intercept = -0.21 ng/mL  
Slope = 1.005  
R$^2$ = 0.968  
Sample Range: 9.5 ng/mL – 140.9 ng/mL | Regular Regression:  
N = 99  
y-intercept = -5.77 ng/mL  
Slope = 0.969  
R$^2$ = 0.969  
Sample Range: 123.0 to 1969.0 pg/mL | Linear Regression:  
N = 141  
y-intercept = 0.287  
Slope = 0.941  
R$^2$ = 0.968  
Sample Range: 2.07 to 19.85 ng/mL |
| **Linear Range** | 7.6 to 147.8 ng/mL | Up to 2000 pg/mL | Up to 20.00 ng/mL |
| **Calibration Levels** | 5-Point Calibration | 5-Point Calibration | 5-Point Calibration |
| **Reagent On-Board Stability** | Unopened:  
≥ 8 months when stored at 2-8°C  
Opened:  
4 weeks when stored at 2-8°C | Opened:  
4 days on board analyzer | Opened:  
4 days when stored at 2-8°C |

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DZ100 (12/2016)