Diazyme’s Heart-Type Fatty Acid-Binding Protein (H-FABP) Assay is a cost effective latex enhanced immunoturbidimetric assay ideal for rapid results on a wide range of automated clinical chemistry analyzers. The Heart-Type Fatty Acid-Binding Protein (H-FABP) Assay is for the determination of Heart-Type Fatty Acid-Binding Protein concentration in serum or lithium-heparin plasma samples.

**Diazyme H-FABP Assay Advantages**

- Fast test results (10 minutes) for a rapid turnaround time
- Wide range of instrument parameters available for facilitating and simplifying implementation
- Liquid stable format requires no reagent preparation saving time and reducing sample handling

**Regulatory Status**

USA: For Research Use Only

**Available Instrument Specific Packaging**

- Roche
- Hitachi
**ASSAY SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Method</th>
<th>Latex Enhanced Immunoturbidimetric</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sample Type &amp; Volume</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Serum</td>
</tr>
<tr>
<td></td>
<td>• Lithium Heparin Plasma</td>
</tr>
<tr>
<td></td>
<td>Sample Volume 8 μL</td>
</tr>
<tr>
<td><strong>Method Correlation</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Deming Regression:</td>
</tr>
<tr>
<td></td>
<td>N = 67</td>
</tr>
<tr>
<td></td>
<td>y-intercept = 0.5189</td>
</tr>
<tr>
<td></td>
<td>Slope = 1.05</td>
</tr>
<tr>
<td></td>
<td>R² = 0.9987</td>
</tr>
<tr>
<td></td>
<td>Samples Ranged From:</td>
</tr>
<tr>
<td></td>
<td>0.68 to 107.07 ng/mL</td>
</tr>
<tr>
<td><strong>Linearity</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Up to 120.0 ng/mL on Hitachi 917</td>
</tr>
<tr>
<td><strong>LOD, LOB, LOQ</strong></td>
<td>0.00 ng/mL</td>
</tr>
<tr>
<td></td>
<td>0.24 ng/mL</td>
</tr>
<tr>
<td></td>
<td>0.74 ng/mL</td>
</tr>
<tr>
<td><strong>Calibration Levels</strong></td>
<td>6-Point Calibration</td>
</tr>
<tr>
<td><strong>On-Board Stability</strong></td>
<td>Opened:</td>
</tr>
<tr>
<td></td>
<td>Up to 30 days on board analyzer</td>
</tr>
</tbody>
</table>

**H-FABP Assay Procedure*  

R1: 160 μL  
Sample: 8 μL  
R2: 40 μL  
570 nm  
800 nm  
0 5 6 10 min  
A1  A2

*Analyzer Dependent

**ASSAY PRECISION**

Performance studies were conducted using the Hitachi 917 automated chemistry analyzer

<table>
<thead>
<tr>
<th></th>
<th>Level 1</th>
<th>Level 2</th>
<th>Level 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>N</td>
<td>20</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Mean</td>
<td>4.65</td>
<td>32.24</td>
<td>5.09</td>
</tr>
<tr>
<td>SD</td>
<td>0.12</td>
<td>0.25</td>
<td>0.18</td>
</tr>
<tr>
<td>CV%</td>
<td>2.56%</td>
<td>0.77%</td>
<td>3.63%</td>
</tr>
</tbody>
</table>

**ASSAY INTERFERENCE**

The common serum interfering substances hemoglobin, bilirubin, and triglyceride showed less than 10% interference up to the concentrations summarized below.

- Hemoglobin: 1000 mg/dL
- Bilirubin: 40 mg/dL
- Conjugated Bilirubin: 40 mg/dL
- Ascorbate: 176 mg/dL
- Triglyceride: 1000 mg/dL
- Rheumatoid Factor: 50 IU/mL

**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