OUTSTANDING ANALYTICAL SENSITIVITY AND PRECISION

• Diazyme’s hsCRP assay kit provides an ideal blend of analytical performance features for accurate and reliable testing in the high sensitivity range

• Outstanding limit of detection (LOD) and precision

UNCOMPROMISING QUALITY

• Traceable to the International Federation of Clinical Chemistry (IFCC) International Reference Preparation for Plasma Proteins

• Four level calibrator set is available for use with the assay

CONVENIENT, COST EFFECTIVE AND FLEXIBLE

• Compatible with most major families of instruments
  o Roche
  o Beckman
  o Abbott

INNOVATIONS IN CLINICAL DIAGNOSTICS
High Sensitivity C Reactive Protein (hsCRP)

**Method**
Latex enhanced immunoturbidimetric assay

**Traceability**
Traceable to IFCC International Reference Preparation for Plasma Proteins certified by the Bureau of Reference of the European Community

**Method Correlation to Predicate**
- N = 57
- R² = 0.990
- Slope = 1.01
- y Intercept = 0.0196

**On Board Stability**
Two Weeks

**Calibration**
Four Level Set

**Sample Type**
- Serum
- Plasma
  - Heparin
  - EDTA

**Sample Volume**
5 μL

**Assay Range**
0.2 mg/L to 20.0 mg/L

**Assay Method**

<table>
<thead>
<tr>
<th>R1: 250 μL Sample 5 μL</th>
<th>37°C</th>
<th>5 min</th>
<th>6 min</th>
<th>10 min</th>
</tr>
</thead>
<tbody>
<tr>
<td>R2: 50 μL</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**HIGHLY PRECISE RESULTS**

**Within-Run Precision**

<table>
<thead>
<tr>
<th></th>
<th>Level 1</th>
<th>Level 2</th>
<th>Level 3</th>
<th>Serum</th>
<th>Serum</th>
</tr>
</thead>
<tbody>
<tr>
<td>N</td>
<td>80</td>
<td>80</td>
<td>80</td>
<td>80</td>
<td>20*</td>
</tr>
<tr>
<td>Mean</td>
<td>0.85</td>
<td>1.75</td>
<td>8.62</td>
<td>3.62</td>
<td>15.56</td>
</tr>
<tr>
<td>SD</td>
<td>0.03</td>
<td>0.03</td>
<td>0.06</td>
<td>0.05</td>
<td>0.19</td>
</tr>
<tr>
<td>CV%</td>
<td>4.0%</td>
<td>1.7%</td>
<td>0.7%</td>
<td>1.4%</td>
<td>1.2%</td>
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**Total Precision**

<table>
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<tr>
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</tr>
<tr>
<td>SD</td>
<td>0.04</td>
<td>0.05</td>
<td>0.12</td>
<td>0.09</td>
<td>0.24</td>
</tr>
<tr>
<td>CV%</td>
<td>4.2%</td>
<td>2.6%</td>
<td>1.4%</td>
<td>2.4%</td>
<td>1.6%</td>
</tr>
</tbody>
</table>

*Sample was tested on Hitachi 917 over 5 days with 2 runs per day

**DYNAMIC TEST RANGE**
- Ideal for accurate and reliable testing in the high sensitivity range

**CONVENIENT AND FLEXIBLE**
- Choice of serum or plasma testing
- Stable Liquid with a variety of instrument parameters

**SERUM SAMPLES SHOW LESS THAN 10% VARIANCE**
- Rheumatoid Factor to 400 IU/mL
- Triglyceride to 1000 mg/dL
- Ascorbic Acid to 176 mg/L
- Bilirubin and Bilirubin Conjugate to 40 mg/dL

**HIGH SENSITIVITY CRP (hsCRP) ASSAY KIT**

**LIQUID STABLE ASSAY**

Parameter questions for hsCRP assay should be addressed to Diazyme technical support. Please call 858.455.4768 or email support@diazyme.com

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