Diazyme’s Adenosine Deaminase (ADA) assay is a cost effect liquid stable test system that can be run either manually or on open automated chemistry systems. Unlike other assay methods Diazyme’s ADA assay has been found to show virtually no ammonia interference. Multiple published studies in major journals worldwide have highlighted the excellent accuracy, precision and reliability of the Diazyme enzymatic Non-Giusti method in serum, heparinized plasma, plural effusion, pericardial effusion and CSF fluids. Recent reports state that the accuracy of the ADA assay was similar to that of the IFN-γ assay in differentiating TB from non-TB ascites. Because both material and human costs of the ADA assay are far less than those of the IFN-γ assay, the former is probably the most appropriate diagnostic test for analysis of peritoneal fluid in resource-limited settings.

**DIAZYME ADA ASSAY ADVANTAGES**

- Liquid stable format requires no reagent preparation saving time and reducing sample handling
- Fast test results for a rapid turnaround time
- Calibrator conveniently included with kit
- Wide range of instrument parameters available for facilitating and simplifying implementation

**REGULATORY STATUS**

USA: For Research Use Only

**AVAILABLE INSTRUMENT SPECIFIC PACKAGING**

- Roche
  - Hitachi
ASSAY PRECISION

The precision of the Diazyme Adenosine Deaminase Assay was evaluated on the Cobas Mira instrument according to a modified Clinical Laboratory Standards Institute EP5-A guideline. In the study, two serum specimens containing 11 U/L and 30 U/L ADA were tested with 2 runs per day with duplicates over 15 working days.

<table>
<thead>
<tr>
<th>No. of Data Points</th>
<th>30</th>
<th>30</th>
<th>30</th>
<th>30</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mean (U/L)</td>
<td>11.11</td>
<td>30.74</td>
<td>9.63</td>
<td>29.62</td>
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<tr>
<td>SD</td>
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<td>0.45</td>
<td>0.47</td>
<td>0.59</td>
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<tr>
<td>CV%</td>
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<td>1.45</td>
<td>4.90</td>
<td>2.00</td>
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</table>

ASSAY INTERFERENCE

Assay is not affected by the following:

- Serum Bilirubin: up to 30 mg/dL
- Hemoglobin: up to 200 mg/dL
- Triglycerides: up to 750 mg/dL
- Ascorbic acid: up to 4 mg/dL