INFLAMMATORY BIOMARKERS

MYELOPEROXIDASE (MPO)

LIQUID STABLE FOR CLINICAL CHEMISTRY ANALYZERS

USA: For Research Use Only
EU: CE IVD

A HIGHLY SENSITIVE BIOMARKER

• Myeloperoxidase (MPO) plays an important role in the innate host-defense mechanism of human and animals
• MPO-derived reactive oxidants promote host tissue injury through lipid and protein peroxidations leading to chronic inflammation
• Elevated levels of plasma MPO is a sensitive indicator of systemic inflammation

CONVENIENT, RELIABLE AND PRECISE TEST RESULTS

• Faster reporting and improved workflow for research laboratories
• Diazyme’s latex enhanced immunoturbidimetric MPO offers a highly precise result with excellent correlations
• Liquid stable format requires no reagent preparation

EASILY ADAPTABLE TO AUTOMATED CHEMISTRY ANALYZERS

• Diazyme’s latex enhanced immunoturbidimetric MPO has been designed to work on most modern high throughput clinical chemistry analyzers
• Automated parameters available for a wide range of clinical instrumentation
• Low reagent cost per test
**MYELOPEROXIDASE (MPO)**

**MYNELABLE**

- Excellent precision
- Extended linearity to 6940 pmol/L

**FLEXIBILITY**

- Requires as little as 15 μL sample
- Calibrator and Controls sold separately

**PRECISION**

The simple precision of the Diazyme MPO Immunoassay was evaluated. In the study three levels of MPO controls containing 534 pmol/L, 3824 pmol/L, and 5996 pmol/L MPO respectively were tested with 15 duplicates in one run:

<table>
<thead>
<tr>
<th>Level 1: 534 pmol/L MPO</th>
<th>Level 2: 3824 pmol/L MPO</th>
<th>Level 3: 5996 pmol/L MPO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Data Points</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>Mean (pmol/L)</td>
<td>534</td>
<td>3824</td>
</tr>
<tr>
<td>SD (ng/mL)</td>
<td>15</td>
<td>158</td>
</tr>
<tr>
<td>CV (%)</td>
<td>2.7</td>
<td>4.1</td>
</tr>
</tbody>
</table>

Notes: The Diazyme MPO Assay is for Research Use Only in U.S.A. as a biomarker, of inflammation. For clinical diagnostic use as a biomarker for detecting the risk of atherosclerosis or for the monitoring of therapeutic agents, please review the following patents:

1.) US7223552 B2
2.) US7780950 B2

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