COAMATIC® LR Antithrombin

A chromogenic method (liquid reagents) for the determination of antithrombin in plasma, based on the inhibition of factor Xa. No influence by Heparin Cofactor II or thrombin inhibitors such as hirudin.

Test principle

\[
\text{AT} + \text{Heparin} \rightarrow \text{[AT \cdot Heparin]}
\]

\[
\text{[AT \cdot Heparin]} + \text{FXa (excess)} \rightarrow \text{[AT \cdot Heparin \cdot FXa]} + \text{FXa (residual)}
\]

\[
\text{S-2772} \rightarrow \text{FXa (residual)} \rightarrow \text{Peptide + pNA}
\]

Reagents and stability (after opening)

<table>
<thead>
<tr>
<th>Reagent</th>
<th>Quantity</th>
<th>Stability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substrate S-2772</td>
<td>2 vials</td>
<td>6 months at 2-8°C</td>
</tr>
<tr>
<td>Factor Xa/heparin</td>
<td>6 vials</td>
<td>1 month at 2-8°C</td>
</tr>
</tbody>
</table>

Analyzer applications: On request

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