Thrombin
53 nkat

Item No. DPGBT-1: 1 x 53 nkat
Item No. DPGBT-10: 10 x 53 nkat

Properties
Thrombin is purified from bovine prothrombin activated by thromboplastin.

Composition
Each vial contains:

<table>
<thead>
<tr>
<th>Component</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thrombin</td>
<td>53 ± 5 nkat</td>
</tr>
<tr>
<td>Bovine Albumin</td>
<td>2.4 mg</td>
</tr>
<tr>
<td>Tris (hydroxymethyl) aminomethane</td>
<td>9.7 mg</td>
</tr>
<tr>
<td>Tris (hydroxymethyl) aminomethane HCL</td>
<td>25.2 mg</td>
</tr>
<tr>
<td>Mannitol</td>
<td>20 mg</td>
</tr>
</tbody>
</table>

53 nkat thrombin correspond to approximately 25 IU and 21 NIH-U

Reconstitution
Reconstitute with 1.5 ml purified water to obtain an activity of about 35 nkat/ml, or reconstitute with purified water to obtain desired concentration.

Storage & Stability
The lyophilized powder is stable at 2 – 8°C until the expiry date printed on the label. The reconstituted Thrombin is stable for 1 week at 2 – 8°C.

Application
For the determination of Antithrombin and Heparin, as well as other studies where a highly purified Thrombin is needed.

Enzyme Activity Determination
The activity of Thrombin can be measured using chromogenic substrate S-2238 (item number S820324)

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