

# Human Thrombin

## Thrombine humaine

Vial of 10 NIH/Flacon de 10 NIH  
Set of 6x10 NIH / Coffret de 6x10 NIH

Ref. EZ0060 /EZ006K

STORE AT  
2-8 °C

CONSERVER A  
2-8 °C

Lot : F1700752

Expiration : 2021-06-14

### ANALYSIS CERTIFICATE / CERTIFICAT D'ANALYSE

ANALYTICAL DATA/RESULTATS D'ANALYSE	SPECIFICATIONS
<b>1. Protein Content / Teneur protéique</b> (Lowry method / Méthode Lowry)  <p style="text-align: right;">3.7 µg</p>	<p>≥ 3 µg</p>
<b>2. SDS-PAGE (4-12 % acrylamide)</b>  Human thrombin has 1 major band of about: La Thrombine humaine a une bande principale d'environ :  <p style="text-align: right;">35 000 daltons</p>	<p>1 major band of about 1 bande principale d'≈  35, 000 daltons</p>
<b>3. Clotting time / temps de coagulation</b> (tested on Fibrinogen/ testé sur Fibrinogène)  <p style="text-align: right;">7.9</p>	<p>8 ± 3.5 sec.</p>
<b>4. Concentration of thrombin / concentration de la thrombine</b>  <p style="text-align: right;">10.5 NIH (chromogenic)</p>	<p>10+/- 2NIH (or IU)</p>
<b>5. Chromogenic activity / Activité chromogénique</b> (on Ila substrate / sur substrat Ila CS-01(38)using Ila at 4 NIH)  <ul style="list-style-type: none"> <li>▪ A405 : 1.445</li> <li>▪ Activity : 1.08 /min.NIH.mL</li> </ul>	<p>A405 ≥ 0.75 /min.NIH.mL</p>
<b>6. Specific activity / Activité spécifique</b>  <ul style="list-style-type: none"> <li>▪ 3162 NIH (or IU) /mg (clotting)</li> <li>▪ 5.3 nkats/µg (chromogenic on CS-01(38))</li> <li>▪ 1.86 nkats/NIH (or nkats/IU)</li> </ul>	<p>≥ 1 500 NIH (or IU)/mg ≥ 2 nkats/µg ≥ 1 nkat/NIH</p>
<b>7. Batch homogeneity / Homogénéité de lot::</b>  <p style="text-align: right;">N = 75      CV : 2.8 %</p>	<p>CV ≤ 5%</p>

\*1 NIH is equivalent to 1 International Unit (IU) ("A reunification of the US ("NIH") and International Unit into a single standard for Thrombin", Longstaff et al, Thromb Haemost 2005, 93:261-6).

#### CONCLUSIONS

DATE : 2017-07-24

Passed/Conforme

Refused/Non-conforme

Quality Control Manager  
Responsable contrôle qualité

S. LECOURT

