

# Human Thrombin

## Thrombine humaine

Set of 10x100 NIH / Coffret de 10x100 NIH

Ref. EZ006A / EZ006L

STORE AT  
2-8 °C

CONSERVER A  
2-8 °C

**Lot : F1900440**

**Expiration : 2023-03-20**

### 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;"><b>39.4</b> µg</p>	≥ 30 µg
<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: center;">35 000 daltons</p>	1 major band of about 1 bande principale d'≈  35,000 daltons
<b>3 Clotting time / temps de coagulation</b> (tested on Fibrinogen/ testé sur Fibrinogène)  <p style="text-align: center;"><b>7.9</b></p>	8 ± 3.5 sec.
<b>4 Concentration of thrombin / concentration de la thrombine</b>  <p style="text-align: center;"><b>102</b> NIH (chromogenic)</p>	100 NIH+/- 10NIH (IU*)
<b>5 Chromogenic activity / Activité chromogénique</b> (on Ila substrate / sur substrat Ila CS-01(38) using at Ila for 4NIH/mL) <ul style="list-style-type: none"> <li>▪ A405 : <b>1.412</b></li> <li>▪ Activity : <b>1.09</b> /min.NIH.mL</li> </ul>	A405 ≥ 0.75 /min.NIH.mL
<b>6 Specific activity / Activité spécifique</b> <ul style="list-style-type: none"> <li>▪ <b>2440</b> NIH (or IU) /mg (clotting)</li> <li>▪ <b>4.88</b> nkats/µg (chromogenic on CS-01(38))</li> <li>▪ <b>1.90</b> nkats/NIH (or nkats/IU)</li> </ul>	≥ 1 500 NIH (or IU)/mg ≥ 2 nkats/µg ≥ 1 nkat/NIH
<b>7 Batch homogeneity / Homogénéité de lot:</b>  <p style="text-align: center;">N = 25      CV : <b>3.7%</b></p>	CV ≤ 5%

\*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 : 2019-04-30

Passed/Conforme

Refused/Non-conforme

Quality Control Manager  
Responsable contrôle qualité

**NAME S.LECOURT**