

# 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 : 150305B

Expiration : 2019-03

### ANALYSIS CERTIFICATE / CERTIFICAT D'ANALYSE

| ANALYTICAL DATA/RESULTATS D'ANALYSE   | SPECIFICATIONS  |
|---|---|
| <b>1. Protein Content / Teneur protéique</b><br>(Lowry method / Méthode Lowry)<br><br><p style="text-align: right;">56 µg</p>   | ≥ 30 µg   |
| <b>2. SDS-PAGE (4-12 % acrylamide)</b><br><br>Human thrombin has 1 major band of about:<br>La Thrombine humaine a une bande principale d'environ :<br><br><p style="text-align: right;">35 000 daltons</p>  | 1 major band of about<br>1 bande principale d'≈<br><br>35,000 daltons |
| <b>3. Clotting time / temps de coagulation</b><br>(tested on Fibrinogen/ testé sur Fibrinogène)<br><br><p style="text-align: right;">7.3</p>  | 8 ± 3.5 sec.  |
| <b>4. Concentration of thrombin / concentration de la thrombine</b><br><br><p style="text-align: right;">107 NIH (chromogenic)</p>  | 100 NIH+/- 10NIH (IU*)  |
| <b>5. Chromogenic activity / Activité chromogénique</b><br>(on IIa substrate / sur substrat IIa CS-01(38) using at IIa for 4NIH/ml))<br><br><ul style="list-style-type: none"> <li>▪ A405 : 2.064</li> <li>▪ Activity : 1.60 /min.NIH.ml</li> </ul> | A405 ≥ 0.75 /min.NIH.ml   |
| <b>6. Specific activity / Activité spécifique</b><br><br><ul style="list-style-type: none"> <li>▪ 1929 NIH (or IU) /mg (clotting)</li> <li>▪ 5.3 nkats/µg (chromogenic on CS-01(38))</li> <li>▪ 2.7 nkats/NIH (or nkats/IU)</li> </ul>              | ≥ 1 500 NIH (or IU)/mg<br>≥ 2 nkats/µg<br>≥ 1 nkat/NIH                |
| <b>7. Batch homogeneity / Homogénéité de lot:</b><br><br><p style="text-align: center;">N = 35      CV :2.3 %</p>   | N≥5    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 : 23/03/15

Passed/Conforme

Refused/Non-conforme

Quality Control Manager  
Responsable contrôle qualité

NAME M.LAROCHE

*B280*  
*emuel*