

# Human Thrombin

## Thrombine humaine

Vial of 1000 NIH/flacon de 1000 NIH

Ref. EZ006B

STORE AT  
2-8°C

CONSERVER A  
2-8°C

**Lot :** F1500060

**Expiration :** 2019.11.23

### 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;">468 µg</p>   | <p>≥ 300 µg</p>  |
| <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>                                 | <p>1 major band of about<br/>1 bande principale d'~<br/><br/>35, 000 daltons</p> |
| <b>3. Clotting time / temps de coagulation</b><br>(tested on Fibrinogen/ testé sur Fibrinogène)<br><br><p style="text-align: right;">9.2</p>   | <p>8 ± 3.5 sec.</p>  |
| <b>4. Concentration of thrombin / concentration de la thrombine</b><br><br><p style="text-align: right;">1036 NIH (chromogenic)</p>  | <p>1000 +/- 100 NIH (or IU)</p>  |
| <b>5. Chromogenic activity / Activité chromogénique</b><br>(on Ila substrate / sur substrat Ila CS-01(38)using Ila at 4NIH)<br><br><ul style="list-style-type: none"> <li>▪ A405 : 1.918</li> <li>▪ Activity : 1.45 /min.NIH.ml</li> </ul> | <p>A405 ≥ 0.75 /min.NIH.ml</p>   |
| <b>6. Specific activity / Activité spécifique</b><br><br><ul style="list-style-type: none"> <li>▪ 2179 NIH (or IU) /mg (clotting)</li> <li>▪ 5.3 nkats/µg (chromogenic on CS-01(38))</li> <li>▪ 2.4 nkats/NIH (or nkats/IU)</li> </ul>     | <p>≥ 1 500 NIH (or IU)/mg<br/>≥ 2 nkats/µg<br/>≥ 1 nkat/NIH</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 : 15.01.2016

Passed/Conforme

Refused/Non-conforme

Quality Control Manager  
Responsable contrôle qualité

NAME S.LECOURT

