

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: **FB0270**

Expiration: **2026-01-19**

ANALYSIS CERTIFICATE / CERTIFICAT D'ANALYSE

ANALYTICAL DATA/RESULTATS D'ANALYSE	SPECIFICATIONS
1. <u>Protein Content / Teneur protéique</u> (Lowry method / Méthode Lowry) 3.4 µg	 ≥ 3 µg
2. <u>SDS-PAGE (4-12 % acrylamide)</u> Human thrombin has 1 major band of about: La Thrombine humaine a une bande principale d'environ : 35 000 daltons	 1 major band of about 1 bande principale d'≈ 35, 000 daltons
3. <u>Clotting time / temps de coagulation</u> (tested on Fibrinogen/ testé sur Fibrinogène) 5.8	 8 ± 3.5 sec.
4. <u>Concentration of thrombin / concentration de la thrombine</u> 10 NIH (chromogenic)	 10+/- 2NIH (or IU)
5. <u>Chromogenic activity / Activité chromogénique</u> (on IIa substrate / sur substrat IIa CS-01(38)using IIa at 4 NIH) ▪ A405 : 1.514 ▪ Activity : 1.18 /min.NIH.mL	 A405 ≥ 0.75 /min.NIH.mL
6. <u>Specific activity / Activité spécifique</u> ▪ 3586 NIH (or IU) /mg (clotting) ▪ 5.75 nkats/µg (chromogenic on CS-01(38)) ▪ 2 nkats/NIH (or nkats/IU)	 ≥ 1 500 NIH (or IU)/mg ≥ 2 nkats/µg ≥ 1 kcat/NIH
7. <u>Batch homogeneity / Homogénéité de lot::</u> N = 65 CV : 3.1 %	 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: 2022-02-17

☒ Passed/Conforme

☐ Refused/Non-conforme

Quality Control Manager
Responsable contrôle qualité

S.LECOURT