

Human Thrombin

Vial of 1x100 NIH

Ref. DPGEZ006A

STORE AT
2-8°C

Lot : F1600396

Expiration : 2020-03-25

ANALYSIS CERTIFICATE

ANALYTICAL DATA	SPECIFICATIONS
1. Protein Content (Lowry method) <div style="text-align: right;">42 µg</div>	<div style="text-align: center;">≥ 30 µg</div>
2. SDS-PAGE (4-12 % acrylamide) Human thrombin has 1 major band of about: <div style="text-align: right;">35 000 daltons</div>	1 major band of about 35,000 daltons
3. Clotting time (Tested on fibrinogen) <div style="text-align: right;">9.3</div>	8 ± 3.5 sec.
4. Concentration of thrombin <div style="text-align: right;">119 NIH (chromogenic) *</div>	100 NIH ± 10NIH (IU*)
5. Chromogenic activity (on IIa substrate CS-01(38) using at IIa for 4NIH/ml) <ul style="list-style-type: none"> ▪ A405 : 1.848 ▪ Activity : 1.31 /min.NIH.ml 	A405 ≥ 0.75 /min.NIH.ml
6. Specific activity <ul style="list-style-type: none"> ▪ 2400 NIH (or IU) /mg (clotting) ▪ 5.39 nkats/µg (chromogenic on CS-01(38)) ▪ 1.89 nkats/NIH (or nkats/IU) 	≥ 1 500 NIH (or IU)/mg ≥ 2 nkats/µg ≥ 1 nkat/NIH
7. Batch homogeneity N = 20 CV : 2.5 %	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 :23/05/2016

Passed/Conforme

Refused/Non-conforme

* Accepted under waiver (see NCI N°1381)

Quality Control Manager

NAME S.LECOURT

