



## CERTIFICATE OF ANALYSIS

Animal Free Thermolysin, Catalog # 002-3000  
GMP Grade – For *ex vivo* Use Only

**Product:** Aseptically dispensed purified protease from *Bacillus thermoproteolyticus* 'rokko'

Lot # 215180412	SPECIFICATION	RESULT
Appearance	White lyophilized cake	White lyophilized cake
Total Neutral Protease Activity <sup>1</sup>	1,200,000 – 2,000,000 Units/vial	1,440,514 Units/vial
Endotoxin EU/mg protein <sup>2</sup>	< 50.0 EU/mg protein	9.63 EU/mg protein
Total Protein <sup>3</sup>	Report Only	5.69 mg/bottle

**STORAGE:** < -20°C

**DATE OF MANUFACTURE:** 12 Apr 2018

**EXPIRY DATE:** Apr 2020

**Signature:**

Andrew Breite, Director of Quality Assurance

18 Apr 2018

<sup>1</sup> Breite AG, et. al. Tissue Dissociation Enzyme Neutral Protease Assessment. Transplantation Proceedings 42 (2010);2052-54

<sup>2</sup> Charles River Endosafe® PTS Endotoxin Assay

<sup>3</sup> Based on absorbance at 280 nm using an extinction coefficient of  $\epsilon=1.10$