



CERTIFICATE OF ANALYSIS

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

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

Lot # 215180920	SPECIFICATION	RESULT
Appearance	White lyophilized cake	White lyophilized cake
Total Neutral Protease Activity ¹	1,200,000 – 2,000,000 Units/vial	1,508,968 Units/vial
Endotoxin EU/mg protein ²	< 50.0 EU/mg protein	13.7 EU/mg protein
Total Protein ³	Report Only	5.686 mg/bottle

STORAGE: < -20°C

DATE OF MANUFACTURE: 20 Sept 2018

ORIGINAL EXPIRY DATE: Sept 2020

REVISED EXPIRY DATE: Sept 2021

Signature:

Andrew Breite, Director of Quality Assurance

11 Aug 2020

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

² Charles River Endosafe® PTS Endotoxin Assay

³ Based on absorbance at 280 nm using an extinction coefficient of $\epsilon^{0.1\%}=1.10$