



CERTIFICATE OF ANALYSIS

Clzyme RI, Catalog # 005-1030
For Research Use Only

Product: Aseptically dispensed mixture of purified Class 1 (60%) and Class 2 (40%) Collagenase from *C. histolyticum* and purified Neutral Protease from *B. polymyxa*

Lot # 321190801	SPECIFICATION	RESULT
Appearance	White lyophilized cake	White lyophilized cake
Total Collagen Degrading Activity ¹	300,000 – 450,000 Units/vial	432,350 Units/vial
Total Neutral Protease Activity ²	60,000 – 100,000 Units/vial	62,588 Units/vial
Endotoxin EU/mg protein ³	< 25.0 EU/OD 280 nm	1.7 EU/OD 280 nm

STORAGE: <-20°C

DATE OF MANUFACTURE: 1 Aug 2019

EXPIRY DATE: Aug 2021

Signature:

Andrew Breite, Director of Quality Assurance

8 Aug 2019

¹ McCarthy RC, et. al. Development and Characterization of a Collagen Degradation Assay to Assess Purified Collagenase Used in Islet Isolation. *Transplantation Proceedings* 40 (2008); 339-342

² Breite AG, et. al. Tissue Dissociation Enzyme Neutral Protease Assessment. *Transplantation Proceedings* 42 (2010);2052-54

³ Charles River Endosafe® PTS Endotoxin Assay

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