



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 # 321201015 | SPECIFICATION | RESULT |
|--|------------------------------|------------------------|
| Appearance | White lyophilized cake | White lyophilized cake |
| Total Collagen Degrading Activity ¹ | 300,000 – 450,000 Units/vial | 394,776 Units/vial |
| Total Neutral Protease Activity ² | 60,000 – 100,000 Units/vial | 63,692 Units/vial |
| Endotoxin EU/mg protein ³ | < 25.0 EU/OD 280 nm | 2.4 EU/OD 280 nm |

STORAGE: -20±5°C

DATE OF MANUFACTURE: 15 Oct 2020

EXPIRY DATE: Oct 2022

Signature:

Andrew Breite, Director of Quality Assurance

28 Oct 2020

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® nexgen-PTS™ Endotoxin Assay