



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 # 321220421	SPECIFICATION	RESULT
Appearance	White lyophilized cake	White lyophilized cake
Total Collagen Degrading Activity ¹	300,000 – 450,000 Units/vial	374,521 Units/vial
Total Neutral Protease Activity ²	60,000 – 100,000 Units/vial	63,123 Units/vial
Endotoxin EU/mg protein ³	< 25.0 EU/OD 280 nm	2.3 EU/OD 280 nm

STORAGE: -20±5°C

DATE OF MANUFACTURE: 21 Apr 2022

EXPIRY DATE: Apr 2026

Signature:

Andrew Breite, Director of Quality Assurance

9 May 2022

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

VitaCyte, LLC

1341 Sadlier Circle West Drive

Indianapolis, IN 46239

www.vitacyte.com

Phone: 317.917.3457

Fax: 317.917.3459