



## 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 # 245170209	SPECIFICATION	RESULT
Appearance	White lyophilized cake	White lyophilized cake
Total Collagen Degrading Activity <sup>1</sup>	300,000 – 450,000 Units/vial	426,428 Units/vial
Total Neutral Protease Activity <sup>2</sup>	60,000 – 100,000 Units/vial	94,694 Units/vial
Endotoxin EU/mg protein <sup>3</sup>	< 25.0 EU/OD 280 nm	5.0 EU/OD 280 nm

**STORAGE:** <-20°C

**DATE OF MANUFACTURE:** 9 Feb 2017

**EXPIRY DATE:** February 2019

**Signature:**

Andrew Breite, Director of Quality Assurance

23 February 2017

<sup>1</sup> 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

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

<sup>3</sup> Charles River Endosafe® PTS Endotoxin Assay

**VitaCyte, LLC**

1341 Sadlier Circle West Drive

Indianapolis, IN 46239

[www.vitacyte.com](http://www.vitacyte.com)

**Phone:** 317.917.3457

**Fax:** 317.917.3459