



CERTIFICATE OF ANALYSIS

Collagenase MA, Catalog # 001-2030
For Research Use Only

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

Lot # 224160324	SPECIFICATION	RESULT
Appearance	White lyophilized cake	White lyophilized cake
Specific Collagen Degrading Activity ¹	15,000 - 30,000 Units/mg	24,175 Units/mg
Total Collagen Degrading Activity ¹	2.25 - 2.75 Million Units/bottle	2,389,941 Units/bottle
Total Protein ²	Report Only	98.9 mg/bottle
Endotoxin EU/mg protein ³	< 10.0 EU/mg	3.92 EU/mg

STORAGE: < -20°C

DATE OF MANUFACTURE: 24 March 2016
EXPIRY DATE: March 2018

Signature:

Andrew Breite, Director of Quality Assurance

15 April 2016

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 Based on absorbance at 280 nm using an extinction coefficient of $\epsilon = 1.41$

³ Charles River Endosafe® PTS Endotoxin Assay