

## CERTIFICATE OF ANALYSIS

### Collagenase MA, Catalog # 001-2020 For Research Use Only

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

Lot # 224160421	SPECIFICATION	RESULT
Appearance	White lyophilized cake	White lyophilized cake
Specific Wunsch Activity <sup>1</sup>	> 2.80 Units/mg	4.54 Units/mg
Total Wunsch Activity	1000 - 1400 Units/bottle	1002.8 Units/bottle
Endotoxin EU/mg protein <sup>2</sup>	< 10.0 EU/mg	3.09 EU/mg
Specific Collagen Degrading Activity <sup>3</sup>	15,000 - 30,000 Units/mg	27,826 Units/mg
Total Protein <sup>4</sup>	Report Only	220.9 mg/bottle

**STORAGE:** < -20°C

**DATE OF MANUFACTURE:** 21 April 2016  
**EXPIRY DATE:** April 2018

**Signature:**



Andrew Breite, Director of Quality Assurance

31 May 2016

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- <sup>1</sup> Wünsch E, Heidrich H-G. Zur quantitativen bestimmung der kollagenase. *Hoppe-Seyler's Zeitschrift Physiologische Chemie* 333 (1963);149-151
- <sup>2</sup> Charles River Endosafe® PTS Endotoxin Assay
- <sup>3</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>4</sup> Based on absorbance at 280 nm using an extinction coefficient of  $0.1\% = 1.41$