



**PRODUCT SPECIFICATIONS**  
Collagenase MA, Catalog #001-2030  
GMP Grade – For *ex vivo* Use Only  
Version 19 April 2021

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

Lot #	SPECIFICATION	RESULT
Appearance	White lyophilized cake	Lot Specific
Specific Collagen Degrading Activity <sup>1</sup>	15,000 – 30,000 Units/mg	Lot Specific
Total Collagen Degrading Activity <sup>1</sup>	2.25 – 2.75 Million Units/bottle	Lot Specific
Total Protein <sup>2</sup>	Report Only	Lot Specific
Endotoxin <sup>3</sup>	< 10.0 EU/mg	Lot Specific

**STORAGE:** -20 ± 5°C

**DATE OF MANUFACTURE:**  
**EXPIRY DATE:** 4 years from date of manufacture

<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> Based on absorbance at 280 nm using an extinction coefficient of  $\epsilon=1.41$   
<sup>3</sup> Charles River Endosafe® PTS Endotoxin Assay