



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 ¹	15,000 – 30,000 Units/mg	Lot Specific
Total Collagen Degrading Activity ¹	2.25 – 2.75 Million Units/bottle	Lot Specific
Total Protein ²	Report Only	Lot Specific
Endotoxin ³	< 10.0 EU/mg	Lot Specific

STORAGE: -20 ± 5°C

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

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