



## CERTIFICATE OF ANALYSIS

Recombinant Collagenase HI, Catalog # 001-4010

For Research Use Only

**Product:** Aseptically dispensed mixture of purified Class 1 Collagenase and Class 2 Collagenase expressed in *E. coli*

Lot # 261180726	SPECIFICATION	RESULT
Appearance	White lyophilized cake	White lyophilized cake
Total Wünsch Activity <sup>1</sup>	> 1,400 Units/bottle	1,694 Units/bottle
Endotoxin EU/mg protein <sup>2</sup>	Not yet established	13.0 EU/mg
Total Collagen Degrading Activity <sup>3</sup>	Report Only	19,765,311 Units/bottle
Total Protein <sup>4</sup>	Report Only	392.2 mg/bottle

**STORAGE:** < -20°C

**DATE OF MANUFACTURE:** 26 Jul 2018

**EXPIRY DATE:** Jul 2020

**Signature:**

Andrew Breite, Director of Quality Assurance

3 Oct 2018

<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  $\epsilon=1.41$