

## CERTIFICATE OF ANALYSIS

### Recombinant Collagenase HA, 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 # 261160623	SPECIFICATION	RESULT
Appearance	White lyophilized cake	White lyophilized cake
Specific Wunsch Activity <sup>1</sup>	Not yet established	4.84 Units/mg
Total Wunsch Activity	Not yet established	1,760.8 Units/bottle
Endotoxin EU/mg protein <sup>2</sup>	Not yet established	6.65 EU/mg
Total Collagen Degrading Activity <sup>3</sup>	Report Only	20,767,159 Units/bottle
Total Protein <sup>4</sup>	Report Only	363.8 mg/bottle

**STORAGE:** < -20°C

**DATE OF MANUFACTURE:** 23 June 2016  
**EXPIRY DATE:** June 2018

**Signature:**



Andrew Breite, Director of Quality Assurance

11 Aug 2016

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- <sup>1</sup> Wunsch 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  $\epsilon = 1.41$