

CERTIFICATE OF ANALYSIS

Collagenase HA, Catalog # 001-1050
For Research Use Only

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

Lot # 241160609	SPECIFICATION	RESULT
Appearance	White lyophilized cake	White lyophilized cake
Specific Wunsch Activity ¹	> 2.80 Units/mg	4.43 Units/mg
Total Wunsch Activity	175 - 225 Units/bottle	176.0 Units/bottle
Endotoxin EU/mg protein ²	< 10.0 EU/mg	6.38 EU/mg
Specific Collagen Degrading Activity ³	> 30,000 U/mg	62,389 Units/mg
Total Collagen Degrading Activity	Report Only	2,478,091 Units/bottle
Total Protein ⁴	Report Only	39.7 mg/bottle

STORAGE: < -20°C

DATE OF MANUFACTURE: 9 June 2016
EXPIRY DATE: June 2018

Signature:



Andrew Breite, Director of Quality Assurance

15 June 2016

¹ Wunsch E, Heidrich H-G. Zur quantitativen bestimmung der kollagenase. *Hoppe-Seyler's Zeitschrift Physiologische Chemie* 333 (1963);149-151

² Charles River Endosafe® PTS Endotoxin Assay

³ 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

⁴ Based on absorbance at 280 nm using an extinction coefficient of $\epsilon = 1.41$