



CERTIFICATE OF ANALYSIS

Collagenase Gold+, Catalog # 011-2000
GMP Grade – For *ex vivo* Use Only
RETEST FOR EXTENDED EXPIRY

Product: Enriched *C. histolyticum* collagenase

Lot # 302190124	SPECIFICATION	RESULT
Appearance	White lyophilized cake	White lyophilized cake
Specific FALGPA Activity ¹	> 3.4 Units/mg	4.84 Units/mg
Total FALGPA Activity ¹	> 1,500 Units/bottle	2,180.4 Units/bottle
Specific Collagen Degrading Activity ²	> 30,000 Units/mg	61,669 Units/mg
Endotoxin ³	< 25.0 EU/mg	1.78 EU/mg
Total Protein ⁴	Report Only	450.5 mg

STORAGE: 2-8°C or below

DATE OF MANUFACTURE: 24 Jan 2019

EXPIRY DATE: Jan 2021

REVISED EXPIRY DATE: Jan 2022

Signature:

Andrew Breite, Director of Quality Assurance

21 Aug 2020

¹ Jackson, R.J., Dao, M.L. and Lim, D.V. *Journal of Microbiological Methods* (1995) 21;209-215

² 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

³ Charles RiverEndosafe® nexgenPTS Endotoxin Assay

⁴ Based on absorbance at 280 nm using an extinction coefficient of $\epsilon^{0.1\%}=1.41$