



CERTIFICATE OF ANALYSIS

Collagenase Gold Plus, Catalog # 011-2000
GMP Grade – For *ex vivo* Use Only

Product: Enriched *C. histolyticum* collagenase

Lot # 141211021	SPECIFICATION	RESULT
Appearance	White lyophilized cake	White lyophilized cake
Specific FALGPA Activity ¹	> 3.4 Units/mg	4.71 Units/mg
Total FALGPA Activity ¹	> 1,500 Units/bottle	2,014.0 Units/bottle
Specific Collagen Degrading Activity ²	> 30,000 Units/mg	56,248 Units/mg
Endotoxin ³	< 25.0 EU/mg	4.67 EU/mg
Total Protein ⁴	Report Only	427.7mg

STORAGE: 2-8°C or below

DATE OF MANUFACTURE: 21 Oct 2021

ORIGINAL EXPIRY DATE: Oct 2025

Signature:

Andrew Breite, Director of Quality Assurance

5 Nov 2021

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 $\epsilon^{0.1\%}=1.41$