



PRODUCT SPECIFICATIONS

Adipose Stromal (AS), Catalog #005-1090

GMP Grade – For *ex vivo* Use Only

Version 17 May 2019

Product: Aseptically dispensed mixture of purified Class 1 and Class 2 Collagenase from *C. histolyticum* and purified Neutral Protease from *P. polymyxa*

| Lot # | SPECIFICATION | RESULT |
|--|------------------------------|--------------|
| Appearance | White lyophilized cake | Lot Specific |
| Total Wünsch Activity ¹ | 30 – 40 Units/Vial | Lot Specific |
| Total Neutral Protease Activity ² | 220,000 – 350,000 Units/Vial | Lot Specific |
| Endotoxin ³ | < 25.0 EU/OD 280 nm | Lot Specific |
| Total Collagen Degrading Activity ⁴ | Report Only | Lot Specific |

STORAGE: 2-8°C

DATE OF MANUFACTURE:

EXPIRY DATE: 2 years from date of manufacture

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

² Breite AG, et. al. Tissue Dissociation Enzyme Neutral Protease Assessment. *Transplantation Proceedings* 42 (2010);2052-54

³ Charles River Endosafe® PTS Endotoxin Assay

⁴ 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

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