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Product Specification

Product Name:

Collagenase from *Clostridium histolyticum* - lyophilized powder, ≥ 125 CDU/mg solid (CDU = collagen digestion units), 0.5–5.0 FALGPA units/mg solidProduct Number: **C2674**

CAS Number: 9001-12-1

TEST	Specification
Appearance (Color)	Faint Beige to Very Dark Beige and Faint Brown to Very Dark Brown
Appearance (Form)	Powder
units/mg Solid (Collagen)	≥ 125
Collagen Digestion	
Unit definition: One unit liberates peptides from collagen from bovine achilles tendon equivalent in ninhydrin color to 1.0 micromole of leucine in 5 hours at pH 7.4 at 37 deg C in the presence of calcium ions.	
units/mg Solid (FALGPA)	0.5 - 5.0
FALGPA Hydrolysis	
Unit definition: One unit hydrolyzes 1.0 micromole of Furylacryloyl-Leu-Gly-Pro-Ala (FALGPA) per minute at pH 7.5 at 25 deg C in the presence of calcium ions.	
units/mg Solid (Clostripain)	≥ 0.1
units/mg Solid	≥ 0.01
Tryptic Activity	
units/mg Solid (Caseinase)	≥ 10
Neutral Protease	
Cell Dissociation Assay	Pass
The cell count should not be less than a two-fold increase when compared to the 24 hour count.	

Specification: PRE.1.ZQ5.10000007770

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.