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Product Specification

Product Name:

Collagenase from Clostridium histolyticum - lyophilized powder (from sterile-filtered solution),
 0.5-5.0 FALGPA units/mg solid, suitable for cell culture

Product Number: **C9722**

CAS Number: 9001-12-1

TEST	Specification
Appearance (Color)	Light Beige to Dark Beige to Dark Brown
Appearance (Form)	Powder
Water (by Karl Fischer)	\leq 10 %
units/mg solid	\geq 125
Collagen Digest Activity Unit Definition: One unit liberates peptides from collagen (C9879) 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 pH 7.4 at 37 Deg C in the presence of calcium ions	0.5 - 5.0
units/mg Solid	\geq 10
FALGPA Hydrolysis Activity Unit Definition: One unit hydrolyzes 1.0 micromole of FALGPA (Furylacryloyl-Leu-Gly-Pro-Ala, F5135) per minute at pH 7.5 at 25 Deg C in the presence of calcium ions	\geq 0.1
units/mg Solid	\geq 0.01
Caseinase,Neutral Protease Activity	Pass
Units/mg Solid	The cell count should not be less than a two-fold increase when compared to the 24 hour count.
Clostripain Activity	
units/mg Solid	
Tryptic Activity	
Cell Dissociation Assay	
Specification: PRE.1.ZQ5.10000008540	