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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
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Appearance (Color)

Light Beige to Dark Beige to Dark Brown

Appearance (Form)

Powder

Water (by Karl Fischer)

≤ 10 %

units/mg solid

≥ 125

Collagen Digest Activity Unit Definition: One unit liberates peptides fr

om 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

units/mg Solid

0.5 - 5.0

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

units/mg Solid

≥ 10

Caseinase, Neutral Protease Activity

Units/mg Solid

≥ 0.1

Clostripain Activity

units/mg Solid

≥ 0.01

Tryptic Activity

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.ZQ5.10000008540

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.

