

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:

Collagenase from Clostridium histolyticum - Type IA, 0.5-5.0 FALGPA units/mg solid,  $\geq 125$  CDU/mg solid, For general use

Product Number:

**C9891**

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)

 $\geq 125$ 

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

One unit hydrolyzes 1.0 micromole of Furylacryloyl-Leu-Gly-Pro-Ala (FALGPA, F5135) per minute at pH 7.5 at 25 deg C in the presence of Calcium ions.

units/mg Solid (Caseinase)

 $\geq 10$ 

units/mg Solid (Clostripain)

 $\geq 0.1$ 

units/mg solid

 $\geq 0.01$ 

Tryptic Activity

Specification: PRE.0.ZQ5.10000013958

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.