

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 - suitable for release of physiologically active rat hepatocytes, Type IV, 0.5-5.0 FALGPA units/mg solid,  $\geq 125$  CDU/mg solid

Product Number:

C5138

CAS Number:

9001-12-1

Storage Temperature:

-20 °C

TEST	Specification
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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 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 (Caseinase)

 $\geq 10$ 

units/mg Solid (Clostripain)

 $\geq 0.1$ 

Recommended Retest Period

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6 Years

Specification: PRE.2.ZQ5.10000013955

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](http://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.

