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Product Specification

Product Name:

Collagenase from Clostridium histolyticum – release of physiologically active rat pancreatic islets tested, Type V, ≥ 1 FALGPA units/mg solid, > 125 CDU/mg solid

Product Number: **C9263**

CAS Number: 9001-12-1

MDL: MFCD00130830

Storage Temperature: -20 °C

TEST	Specification
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units/mg solid (Collagen)	≥ 125
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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)	≥ 1
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One unit hydrolyzes 1.0 micromole of FALGPA (Furylacryloyl-Leu-Gly-Pro-Ala, F5235) per min at pH 7.5 at 25 deg C in the presence of Calcium ions.

units/mg solid (Caseinase)	≥ 5.0
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Units/mg solid (Clostripain)	≥ 0.1
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Units/mg solid	≥ 0.01
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Tryptic Activity

Suitability	Pass
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Tested for preparation of islets from rat pancreas by a modification of the method of Lacy and Kostianovsky, Diabetes, 16, P35 (1967)

Specification: PRD.0.ZQ5.10000031474

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.