

Product Specification

Product Name :

Collagenase from Clostridium histolyticum 0.2 μ m filtered, suitable for release of physiologically active rat hepatocytes, Type IV-S, 0.5-5.0 FALGPA units/mg solid, \geq 125 CDU/mg solid

Product Number: C1889

CAS Number: 9001-12-1

Storage Temperature : Freezer -20°C

	Hepatocyte	Adipocyte	Pancreatic
C138	+		
C139	+		
C140		+	
C1889	+		
C1981	+		
C1983	+		+
C1985	+		
C2139	+	+	
C2140	+	+	
C2151	+		
C1764	1.5	+	+
C1880	1.5	+	
C1884	1.5	+	
C1885	1.5	+	
C1889	1.5	+	
C1929	1		
C1930	1		
C2199	10.5	+	
G1619	8	+	
C1928	10.5	+	
C4365	10.5	+	+
C1887	8	+	
C1922	1.5		
C1887	8	+	
C1923	1.5		
C2199	1.5		
C1924	1.5		
C1974	10.5	+	
C1975	10.5	+	

*ICM Method: Langendorff Liver

Test
Specification

Appearance (Color)

Light Beige to Dark Beige to 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

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.

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