11 Park Drive, Suite 12
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Rat Tail Type-I Collagen Solution

Order Information

Product Name:	Rat Tail Type I Collagen Solution
Catalogue Number:	**cAP-06**
Concentration:	3.0mg/ml Collagen in 0.2M Acetic Acid
Size:	**100mg**
Storage:	2-8° C

General Information:

Collagen is a fibrous protein found in the extracellular matrix and connective tissue. Type I collagen is the most common form of collagen prevalent in bones, tendons and skin. It consists of three intertwined coiled subunits: two α1 (I) chains and one α2 (I) chain. Each chain contains precisely 1050 amino acids wound tightly around one another in a characteristic right-handed triple helix. The triple-helical structure of collagen arises from its unusual abundance of three amino acids: glycine, proline, and hydroxyproline. These amino acids in collagen appear in a characteristic repeating motif Gly-X-Y, where X is usually proline and Y is usually hydroxyproline.

Product Specifications:

Source:	Rat tail tendons
Buffer:	0.2M Acetic Acid
Celsius Shelf life:	12 months
Storage:	2-8°C
Purity:	> 95% SDS PAGE
Concentration:	3 mg/ml (Sircol Assay)
Product pH:	~3.0
Product Conductivity:	0.8 ms/cm

Sterility Testing: This product has been tested for 14 days after incubation in a 37°C incubator. It is free of bacterial and fungal contamination. Product has shown to be negative with respect to mycoplasma contamination by Real-Time PCR.

Applications: Culture wares surface coating with collagen solution:

1) Add recommended volume of collagen solution directly to dishes, plates, or inserts.
2) Incubate at room temperature in a biological safety cabinet for 1 hour.
3) Carefully aspirate remaining solution.
4) Rinse the cuturewares with PBS to remove acid.

Plates may be used immediately or air-dried first and then stored at 4-8°C for up to one week.

Culture wares	Area (cm2)	Collagen Vol (ml)	Wash Vol (ml)
96 well	0.143	0.025	0.05
24 well	0.33	0.05	0.1
12 well	1.12	0.25	0.4
6 well	4.67	0.6	1
75 mm insert	44	5	8

This product is for R&D use only (not for diagnostic and treatment usages in any forms)

Contact & Ordering Information: Angio-Proteomie, 11 Park Drive, Suite 12, Boston, MA 02215, USA. Fax: (480) 247-4337, angioproteomie@gmail.com