



## Collagen from rat tail tendon

Cat. No. NAT-0001

Lot. No. (See product label)

<b>cat</b>	NAT-0001
<b>Product Name</b>	Collagen from rat tail tendon
<b>Common Name</b>	Collagen
<b>Synonyms</b>	Collagen
<b>Description</b>	Collagen is an insoluble fibrous protein present in the connective tissue and extracellular matrix. There are about 16 types of Collagen. Type I, II, and III Collagen make up around 80-90% of total Collagen in the body. The basic unit of Collagen is a triple-stranded helix.
<b>Morphology &amp; Appearance</b>	lyophilized (clear, colorless solution after reconstitution)
<b>Source</b>	rat tail tendon
<b>Storage</b>	2-8°C
<b>Shipping &amp; Packaging</b>	30 mg
<b>Application</b>	Collagen is used as a substrate for culturing a variety of cells, such as coating of culture dishes and the preparation of Collagen gels.
<b>Usage</b>	5 µg/cm <sup>2</sup> for the coating of cell culture vessels; for the preparation of Collagen gels, a final concentration of 2 to 3 mg/ml is used.
<b>Components</b>	Lyophilizate, cell culture grade, 3 vials of 10mg
<b>Reconstitution</b>	<p>For best results, dissolve the lyophilizate in 0.2% acetic acid (v/v) solution.</p> <p>For the preparation of Collagen gels, the content of the bottle should be dissolved in 3.3 mL sterile 0.2% acetic acid (v/v) each. This results in a final concentration of 3 mg/mL.</p>

For coating culture dishes the final concentration should be 1 to 2  
**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

[www.matexcel.com](http://www.matexcel.com)

Address: SUITE 210, 17 Ramsey Road, Shirley, NY 11967

Email: [info@matexcel.com](mailto:info@matexcel.com) Tel: 1-631-869-4956 Fax: 1-631-910-2166



mg/ml.

Note: For dissolving: do not stir, just pour the acetic acid onto the lyophilizate and allow it to stand for several hours until it has dissolved. To completely dissolve the product an incubation for up to a maximum of 24 hours at 15 to 25 °C may be required.

Reconstitution of the Collagen should be done at 15 to 25 °C, higher temperatures destroy the fibres and may prevent the subsequent gelation of the Collagen.

---

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

[www.matexcel.com](http://www.matexcel.com)

Address: SUITE 210, 17 Ramsey Road, Shirley, NY 11967

Email: [info@matexcel.com](mailto:info@matexcel.com) Tel: 1-631-869-4956 Fax: 1-631-910-2166