

## Rat Collagen Type I & III

**Catalog Number 8052003**

*For research use only*

<b>DESCRIPTION</b>	Purified type I & III native rat collagen.								
<b>FORM</b>	Lyophilized, salt-free, 10 mg / vial								
<b>SOURCE</b>	Rat tissue. Collagen was extracted from washed dissected tissue into dilute acetic acid after pepsin treatment. Collagen type I and III were purified by using differential salt precipitation.								
<b>PURITY</b>	<table> <tr> <td>Rat collagen type I</td> <td>90%</td> </tr> <tr> <td>Rat collagen type III</td> <td>10%</td> </tr> <tr> <td>Other rat collagens</td> <td>below 1%</td> </tr> <tr> <td>Non-collagen proteins</td> <td>below 0.5%</td> </tr> </table>	Rat collagen type I	90%	Rat collagen type III	10%	Other rat collagens	below 1%	Non-collagen proteins	below 0.5%
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<b>Purification</b>	Partial pepsin digestion in acidic conditions and differential salt precipitation.								
<b>Reconstitution</b>	Use 0.5 M acetic acid, pH 2.5. Dissolved collagen retains immunologic properties of native collagen. Structure of native collagen confirmed by ability to form microfibrils.								
<b>Storage</b>	Collagen dissolved in acetic acid is stable at 4 °C for 1 month. Lyophilized collagen long term storage (2 years) at -20 °C or lower.								
<b>Application</b>	Used for coating material for cell culture studies. May not be suitable for 3-D gel formation.								

### International

MD Bioproducts GmbH  
Tel: +41- 44 986 2628  
info@mdbioproducts.com



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

### North America

MD Biosciences Bioproducts, LLC  
Tel: 651-789-6535  
products@mdbiosciences.com