

## Porcine Collagen Type I & III

**Catalog Number 8052004**

*For research use only*

<b>DESCRIPTION</b>	Purified type I & III native porcine collagen from pig's tissue.												
<b>FORM</b>	Lyophilized, salt-free, 10mg / vial												
<b>SOURCE</b>	Porcine 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>Porcine collagens:</td> <td></td> </tr> <tr> <td>Type I</td> <td>45%</td> </tr> <tr> <td>Type III</td> <td>45%</td> </tr> <tr> <td>Type IV</td> <td>10%</td> </tr> <tr> <td>Type V</td> <td>below 1%</td> </tr> <tr> <td>Non-collagen proteins</td> <td>below 0.5%</td> </tr> </table>	Porcine collagens:		Type I	45%	Type III	45%	Type IV	10%	Type V	below 1%	Non-collagen proteins	below 0.5%
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Non-collagen proteins	below 0.5%												
<b>Purification</b>	Partial pepsin digestion in acidic conditions and differential salt precipitation.												
<b>Reconstitution</b>	Use 0.5 M acetic acid, pH 3.0. 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

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