

**Bovine Collagen Type I & III**  
**Catalog Number 8052011**

*For research use only*

<b>DESCRIPTION</b>	Purified type I & III bovine collagen from calf skin.	
<b>FORM</b>	Lyophilized, salt free, 10 mg / vial	
<b>SOURCE</b>	Bovine (calf ) skin. 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>	Bovine collagen type I	45%
	Bovine collagen type III	45%
	Bovine collagen other type	<10%
	Non-collagen proteins	<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 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.	

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