

Canine Collagen Type I & III

Catalog Number 8052008

For research use only

DESCRIPTION	Purified canine collagen type I & III	
FORM	Lyophilized, salt free, 10 mg / vial	
SOURCE	Canine 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.	
PURITY	Canine Collagen I and III	98%
	Canine Collagen (other types)	<1%
	Non-Collagen Proteins	<0.5%
Purification	Partial pepsin digestion in acidic conditions and differential salt precipitation.	
Reconstitution	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. <u>Note:</u> The Canine Collagen Type I & III is tough to dissolve. We recommend strong mechanical mixing with homogenizer, sonicator or similar.	
Storage	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.	
Application	Used for coating material for cell culture studies. May not be suitable for 3-D gel formation.	

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