

Bovine Collagen Type III

Catalog Number 8052009

For research use only

DESCRIPTION	Purified type III bovine collagen.	
FORM	Lyophilized, salt-free, 10 mg / vial	
SOURCE	Bovine (calf) skin. Collagen was extracted from washed dissected tissue into dilute acetic acid after pepsin treatment. Collagen type III was purified by using differential salt precipitation.	
PURITY	Bovine collagen type III	90%
	Other bovine collagen types	10%
	Non-collagen proteins	below 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.	
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 bovine collagen type III standard. Antigen for antibody production. Coating material for cell culture studies. Collagen microfibrils will activate platelets causing aggregation. May not be suitable for 3-D gel formation.	

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