

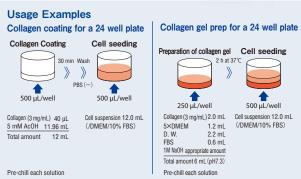
High-Quality Collagen Solutions

Solution type

High-Quality Collagen excellent for all types of research including cell biology, biochemistry, biophysics, tissue engineering, etc.

0.45 µm filtered





Acid Soluble Collagen

- · Strong gel strength
- · Suitable for 3D-cell culture
- Superior fibril formation with remaining telopeptides and crosslinks.

Pepsin Solubilized Collagen

- · Both N- & C-telopeptides are removed
- · Suitable for coating culture vessels

Type I Collagen

- · Most abundant collagen in vertebrates
- · Major component in collagen fibrils
- · More than 95% pure

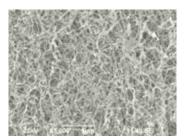
Type II Collagen

- · Abundant in skin tissues
- · Rich in juvenile tissues and is important in wound healing
- Non-collagenous domains are removed by pepsin treatment
- P#892 107&108 contain about 20% of type I collagen

Type V Collagen

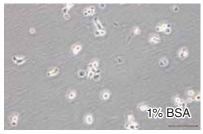
- · Fibrillar collagen
- · Rich in the cornea
- · Relatively rich near the basement membrane
- · Abundant in fine collagen fibrils
- Non-collagenous domains are removed by pepsin treatment

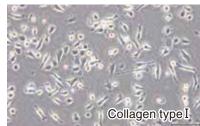
Reconstituted fibrils



Type I collagen fibrils reconstituted at 37° C under physiological conditions. SEM image $(5000\times)$

Excellent cell adhesive property





Adhesion of human keratinocyte cell line FEPE1L-8 at 1 day



Collagen for research reagents

Powder type

Features of Collagen Powder

- · Easy to adjust the concentration
- · Able to use various solvents
- · Native triple helical structure retained

How to dissolve

- Dissolve in an acidic solution, such as 5 mM acetic acid or 1 mM hydrochloric acid.
- · To increase the concentration of collagen, first dissolve in water, and then add the required amount of acid solution.
- · When the concentration exceeds 5 mg/mL, handling becomes difficult due to the high viscosity.
- Can be dissolved up to a concentration of 10 mg/mL

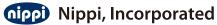


- · 2D and 3D cell culture substrates
- Production of collagen moldings
- R&D for drug delivery system (DDS)

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Product code	et code Product name	
Solution type		
892 101	Type I collagen, Bovine skin, Acid soluble, 3mg/mL	20mL
892 102	Type I collagett, boville skill, Acid soldble, Stilg/file	100mL
892 103	Type I collagen, Bovine skin, Pepsin-solubilized, 3mg/mL	20mL
892 104	Type I collagett, boville skill, repsill-soldbillzed, Stilg/file	100mL
892 107	Type II collagen, Bovine skin, Pepsin-solubilized, 3mg/mL	5mL
892 108	Type m conagen, bovine skin, repsin-solubilized, shig/inc	20mL
892 151	Type V collagen, Bovine cornea, Pepsin-solubilized, 3mg/mL	1 m L
892 111	Type I collagen, Porcine skin, Pepsin-solubilized, 3mg/mL	20mL
892 112	Type I conlagen, I ordine skin, I epsin-solubilized, Sing/inc	100mL
Powder type		
892 140	Type I collagen, Bovine skin, Acid soluble	100mg
892 141	Type I collagett, boville skill, Acid soldble	500mg
892 142	Type I collagen, Bovine skin, Pepsin-solubilized	100mg
892 143	Type I collagen, bovine skin, repsili-solubilized	500mg
892 144	Type I collagen, Porcine skin, Pepsin-solubilized	100mg
892 145	Type I collagen, Forcine Skill, Fepsill-Solubilized	500mg

Manufactured by Agency:



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