

Collagen rejuvenation

Collajru[®]

Inject collagen directly

Collajru[®]



Highly purified Atelocollagen type-1



- Collagen injection
- Highly purified Atelocollagen type-1



Manufacturer Ubiosis **Seller** Juventa Healthcare Co.,Ltd.
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Product Inquiry 02-854-9720



Collaju Features

Safety

✔ Safe ingredient(Collagen)

- KFDA, European CE approved, Chinese National Medical Products Administration NPMA licensed product
- Utilizing atelocollagen to minimize immune response



Effectiveness

✔ Fast effect!

- Injecting collagen itself maintains the structure and elasticity of the extracellular matrix
- Immediate effect and continuous collagen generation effect

Convenience

✔ Easy to use!

- Highly compatible with the body for rapid absorption into tissues, prompting tissue regeneration
- Liquid form allows immediate use without the need of rehydration of stirring processes

Technical

✔ Patented manufacturing method 'Aseptic Salt Precipitation Method'

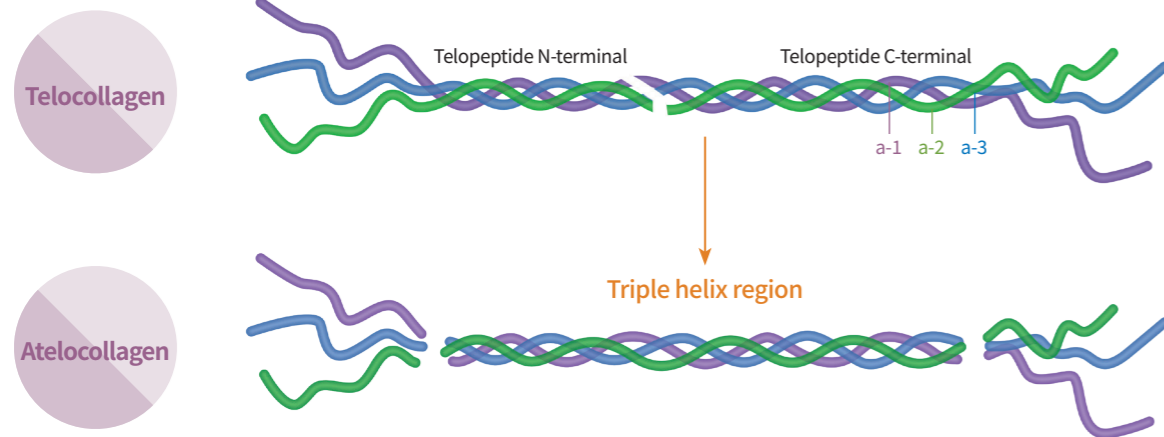
- The patented method reduces immune response
- Formation of large and thick collagen fibers

Product name : Collaju
 Product Category : Collagen Tissue Supplement
 Packaging Unit : (1ml/syr * 1EA)/box

Storage Method :
 Store at room temperature below 30 degrees Celsius
 Expiration Date : 2 years from the date of manufacture

Collaju Safety

'Atelocollagen' with removed immunogenicity



Type 1 atelocollagen is treated by removing the telopeptide region with pepsin. As a result, a safe collagen is formed that preserved the characteristics of collagen while removing immunogenicity

Collaju Safety

Patented manufacturing method 'Aseptic Salt Precipitation method'

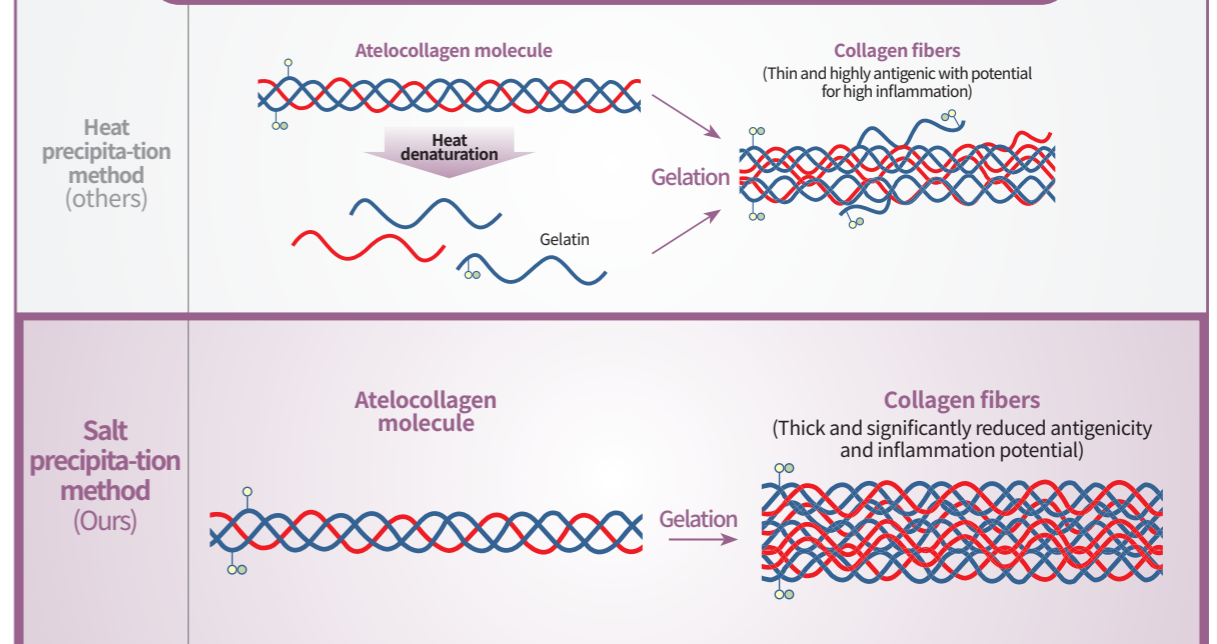
Method for manufacturing a collagen solution using salt precipitation compression concentration method

- Collagen concentrated by the aseptic salt precipitation method is not exposed to high temperatures, therefore there is no possibility of denaturation by heat. It forms collagen fibers that are similar in diameter to human collagen, are thicker and less denatured, thus reducing the possibility of antigenicity or inflammation induction.

High concentration of salt(NaCl) is added to precipitate the collagen, which is then separated and purified

Extraction of non-antigenic, thick collagen fibers

Fig. Schematic diagram of the effect of the method of collagen concentration on the formation of collagen fibers and the biological response



[Reference]
 Yuping Li and Elliot P. Douglas (2013) Effects of various salts on structural polymorphism of reconstituted type I collagen fibrils. Colloids and Surfaces B: Biointerfaces 112 : 42-50
 Regina Komsa-Penkova et al. (1996) Thermal stability of calf skin collagen type I in salt solutions. Biochimica et Biophysica Acta 1297 :171-181

※ Aseptic Salt Precipitation Method Patent No. 10-1105603 : A precipitation process is necessary to concentrate dissolved collagen. A method of precipitating collagen by adding salts such as sodium chloride at a high concentration.