

NEW

Collagen^S

mPLLA



KFDA

ISO
22716

Micronized PLLATM

Collagen Stimulation Skin Booster

Own
Collagen
Generation

Skin
Firmness
Elasticity
Hydrating

finely filtered
small particles

Easy to inject

'Collagen S' is made of an mPLLATM and hyaluronic acid (HA) and was designed to be injected dermally in the skin. Its micro injection promotes the production of own collagen and elastin, which are key proteins for skin firmness, elasticity and hydrating.

mPLLATM 'Collagen S' is micronized PLLA (Poly - L - Lactic Acid)) fully biologically active material that are biocompatibility, biodegradability and minimally inflammatory inductive property.

mPLLATM directly stimulates dermal fibroblasts to increase collagen synthesis.

Collagen^S

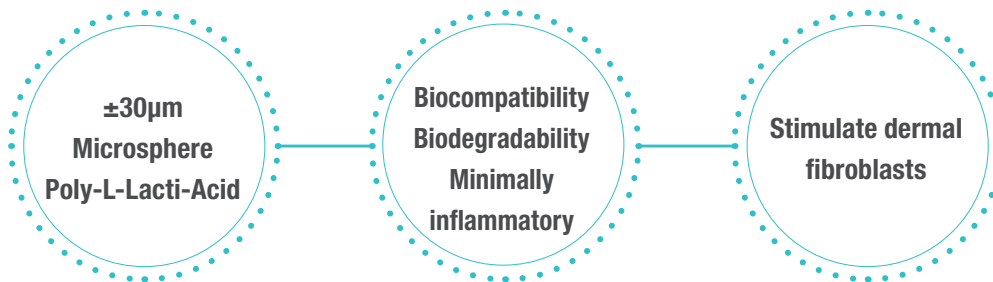
m PLLA



Micronized PLLA

Collagen Stimulation Skin Booster

- Active Ingredients : Micronized Poly-L-Lactic-Acid and HA
- Size : about $\pm 30\mu\text{m}$ granule, natural
- Degradation : 6 to 12 months
- volume : 5ml / vial



PROTOCOL

- Deep dermis layer
- 3 Sessions
- 4 Weeks apart
- 8 to 12 Monthly maintenance

MECHANISM

1. m PLLATM immune reaction



2. By immune reaction, active fibroblast to produce collagen

m PLLATM is used to stimulate collagen synthesis in fibroblasts via foreign body in the presense of macrophages. Macrophages acts as a stimulate in secretion of cytokines and mediators such as TGF- β which stimulate the fibroblast to secrete collagen into the surrounding tissue.

