AB Life

Si Belle

PLLA+ 400

PLLA + hyaluronic acid

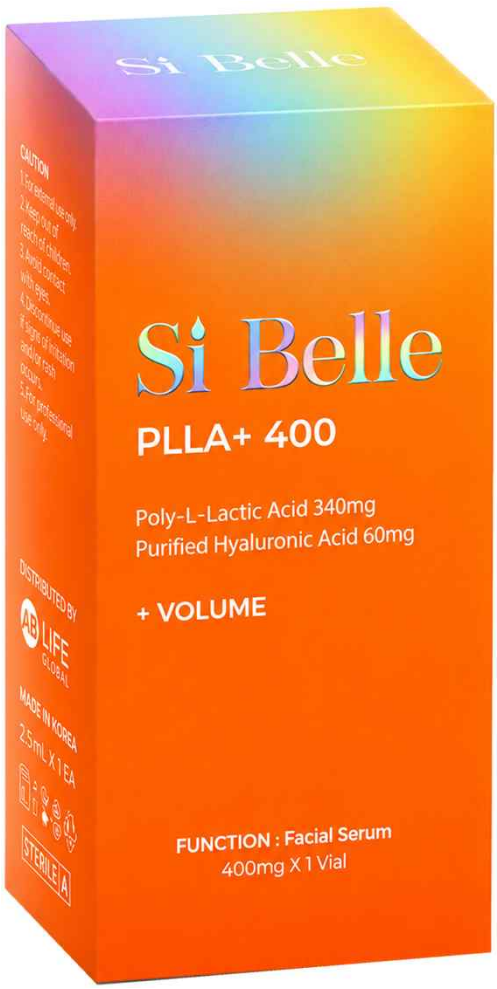
340 mg

Poly-L-lactic acid

60 mg

Hyaluronic acid

400 mg / vial



www.ablife-global.com

PLLA 340 mg + HA 60 mg / 400 mg per vial

Composition & scientific context

A two-component source formulation

The PL-400 table lists 340 mg PLLA and 60 mg HA per vial. These quantities total 400 mg; the visible Si Belle pack lists the same component amounts.



85% PLLA **15% HA**

What PLLA research can explain

Material background

PLLA is poly-L-lactic acid, a polymer formed from L-lactic acid units. The supplied source discusses its biodegradation and the biological response around PLLA particles.

Collagen-related pathways

Cultured fibroblast studies report increased collagen expression with PLLA exposure and investigate p38 MAPK and TGF-beta/Smad signalling. [1,2]

Evidence boundary

These findings provide a rationale for studying PLLA. They do not establish the clinical performance, duration, safety or authorised indications of Si Belle PLLA+ 400.

PL-400 source specification

Exact model focus: PL-400

PL-400 values reproduced from the supplied source.

Source field	PL-400 value
Product (Model)	**PL-400**
PLLA contents	**PLLA 340 mg + HA 60 mg**
Package	**400 mg / vial**
Particle size	**~30 µm (microsphere)**
Needle	**27G**
Infusion volume (0.9% NaCl saline)	**6 mL**
Hydration time	**15-30 min**
pH	**4.0-7.0**
Osmotic pressure	**250-350 mOsm/kg**
Normal force (N)	**0.9-2.0 N**

How to read this table

The source uses “infusion volume” for the saline entry. It labels force as “Normal force (N)” and describes injection force nearby.

Published PLLA research

Cell-based evidence for collagen-related pathways

01 p38 MAPK signalling

Kim SA et al. / Annals of Dermatology / 2019 [1]

Human dermal fibroblasts (Hs68) were exposed to a PLLA preparation in vitro. The study reported increased type I collagen gene expression and protein synthesis, and investigated p38, Akt and JNK signalling using pathway inhibitors.

02 TGF-beta/Smad signalling

Zhu W & Dong C / Journal of Cosmetic Dermatology / 2023 [2]

Cultured dermal fibroblast experiments reported increased procollagen production and collagen-related expression following PLLA exposure. Receptor-inhibition experiments supported the involvement of the TGF-beta/Smad pathway.

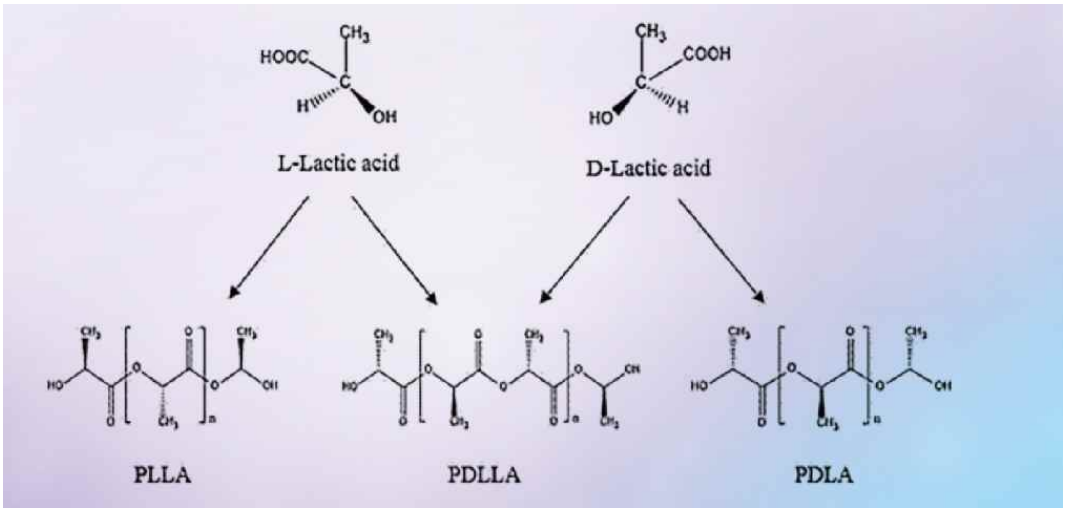
Research context

These are laboratory studies of PLLA-related biology, not clinical trials of Si Belle PLLA+ 400. They do not establish a treatment protocol, clinical effect size or duration for this finished product.

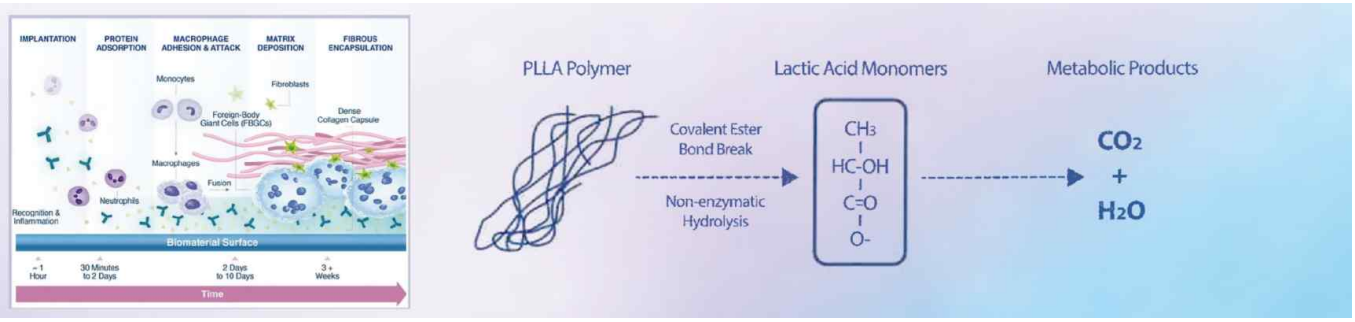
[1] doi:10.5021/ad.2019.31.1.97 / Kim SA et al., 2019
[2] doi:10.1111/jocd.15571 / Zhu W & Dong C, 2023

Original technical illustrations

PLLA chemistry



Material response & degradation



The source presents a general PLLA rationale linking the tissue response, collagen formation and degradation. These illustrations are source background, not model-specific clinical measurements.

How to Prepare Before Treatment

PL-400 source preparation overview

PL-400 source preparation table	Volume
0.9% N/S	**6 mL**
Lidocaine	**2 mL**
Total	**8 mL**

01

Aluminium cap



Cap removal is shown in the source.

02

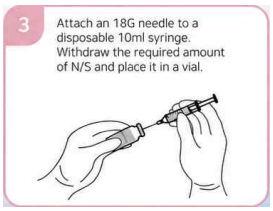
Alcohol swab



The source shows alcohol-swab cleaning.

03

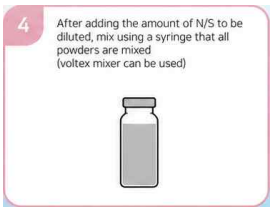
Saline transfer



18G needle and 10 mL syringe shown for saline draw-up.

04

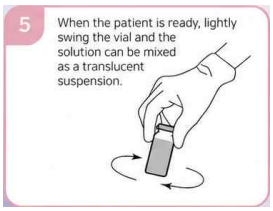
Powder mixing



Syringe mixing is shown; a vortex mixer is also mentioned in the source.

05

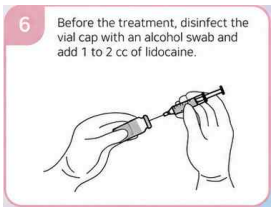
Suspension mixing



The source shows gentle vial agitation.

06

Lidocaine addition



Source text: 1-2 cc.
PL-400 table: 2 mL.

07

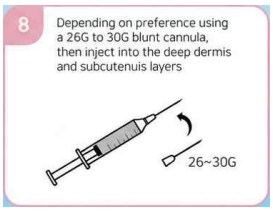
Syringe transfer



The source shows a 1-10 mL syringe.

08

Blunt cannula



Source: 26-30G; deep dermal and subcutaneous layers.

Self-care for Better Results

Post-treatment care

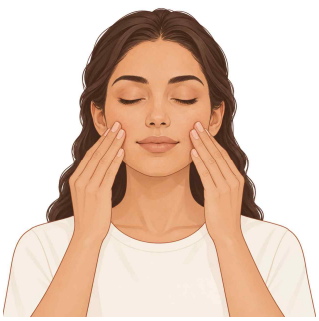


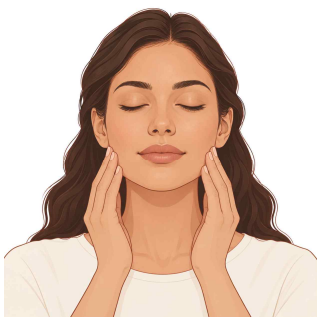
01 Cold-pack care

Within 24 hours after the procedure,
the source advises an ice pack
to reduce swelling.

02 7-3-3 Rule

Source regimen: massage for 3 minutes, 3 times a day, for 7 days.






Before / after photographs





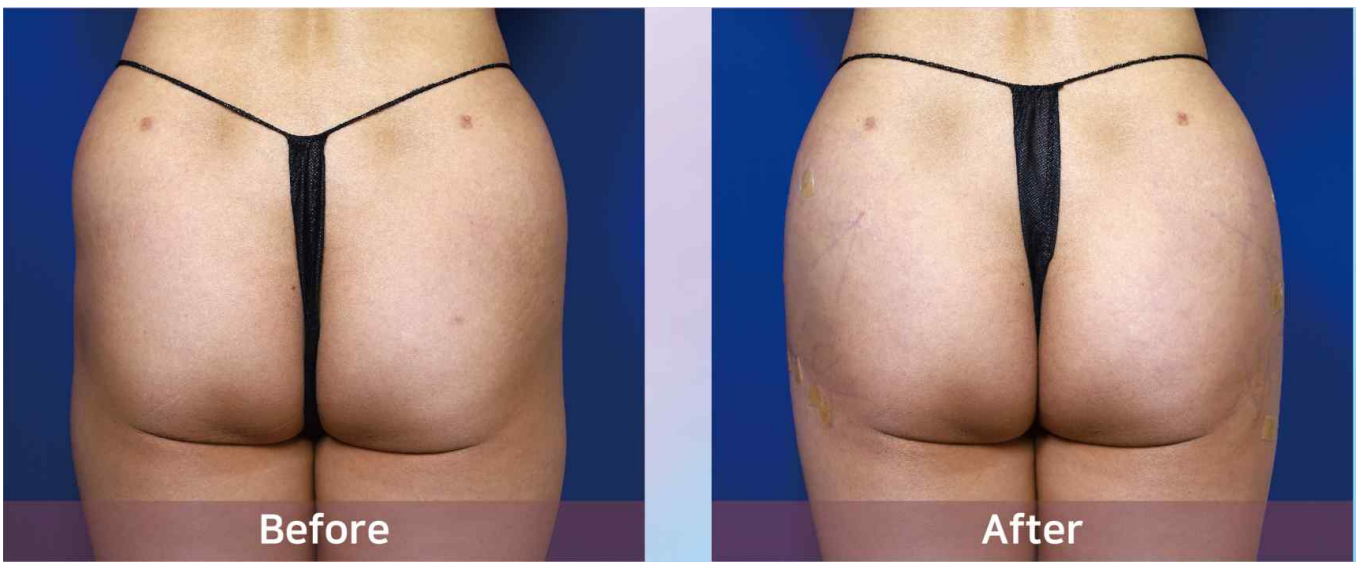
Before / after photographs





Before / after photographs





Before / after photographs



