

BEAUX & BEAUY

A new generation of collagen-stimulating injectables based on highly purified polylactic acid (PLA), offering a pronounced and long-lasting biorevitalizing effect and stimulation of neocollagenesis





**An ideal solution
for patients with
visible signs of
chronological
aging, reduced
skin turgor,
and volume loss
in soft tissues!**



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What are BEAUX and BEAUY?



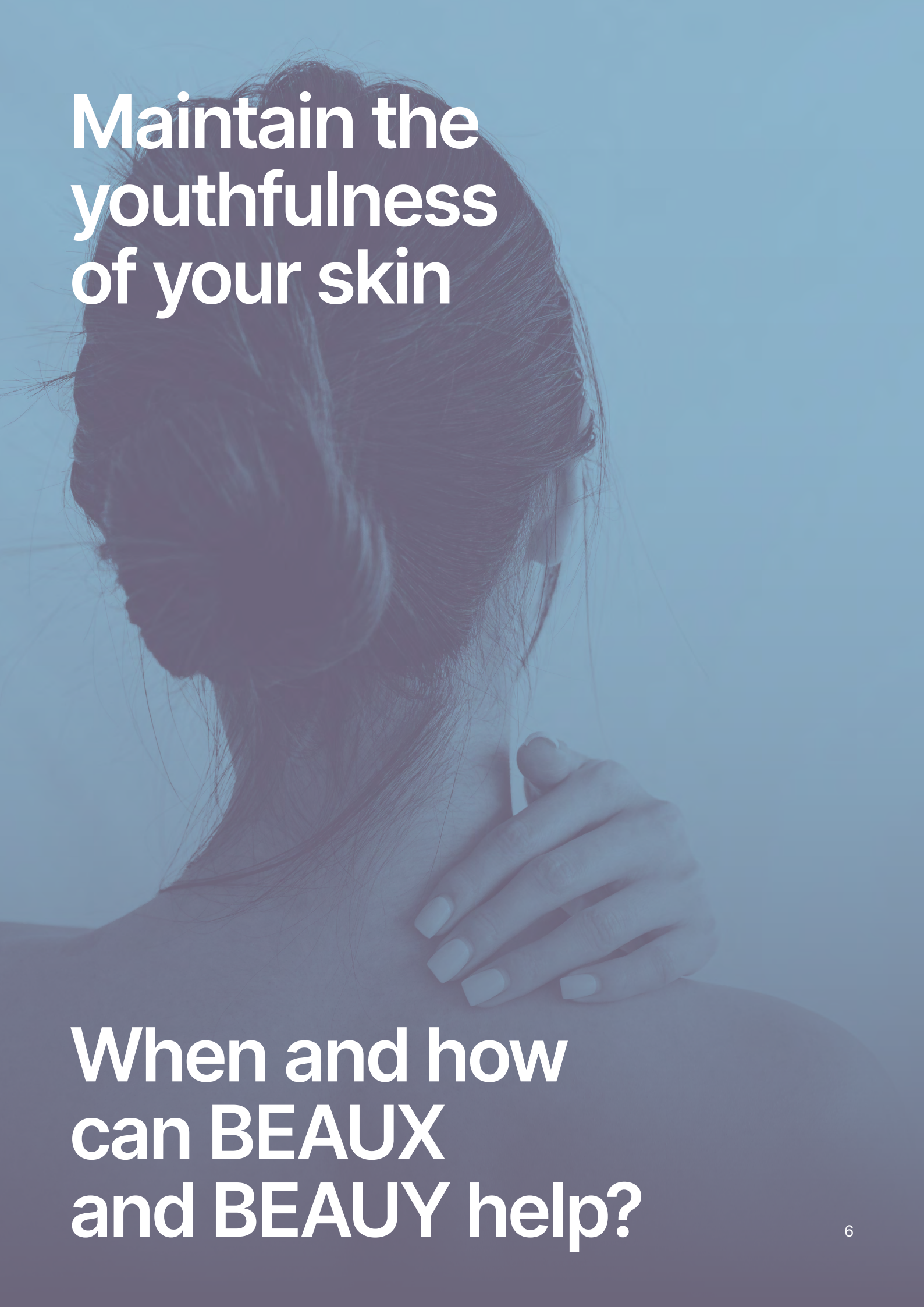
BEAUX and BEAUY are innovative collagen-stimulating products designed for effective correction of age-related changes and restoration of lost soft tissue volume.



BEAUX and BEAUY work by introducing spherical microparticles consisting of polymeric lactic acid molecules into the dermis. We have also incorporated

hyaluronic acid (HA) into BEAUX and sodium carboxymethylcellulose (SCMC) into BEAUY to further enhance their anti-ageing properties.

Our product is a fully biocompatible, biodegradable collagen stimulator that is long-lasting and highly uniform.

A photograph of a woman's back and hair, tinted in a light blue color. Her hair is pulled back into a bun, and her hand is visible near her neck. The image serves as a background for the text.

**Maintain the
youthfulness
of your skin**

**When and how
can BEAUX
and BEAUY help?**

When and how can BEAUX and BEAUY help?



● EFFECTIVELY FIGHT WRINKLES

BEAUX and BEAUY smooth out fine lines and firm up the skin



● VOLUME RESTORATION

BEAUX and BEAUY replenish lost soft tissue volume. This increases skin firmness and elasticity, tightens the skin and eliminates sagging



● MOISTURIZE THE SKIN

BEAUX and BEAUY effectively restore the skin's ability to retain moisture, eliminating one of the most serious causes of deteriorating skin appearance — insufficient moisturization

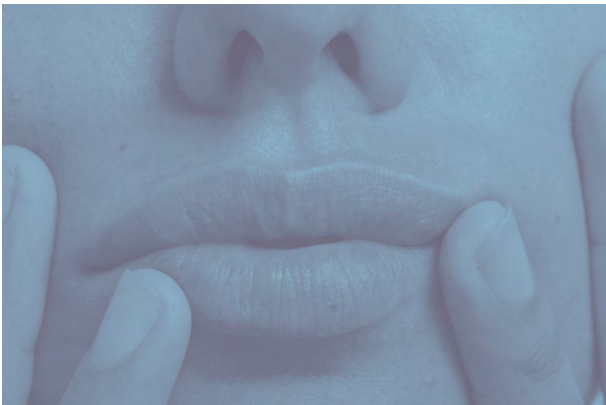
With BEAUX and BEAUY, you will be able to:



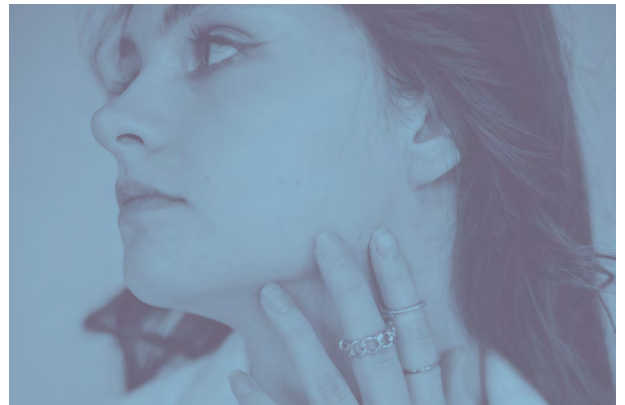
Eliminate fine lines and reduce the appearance of large wrinkles



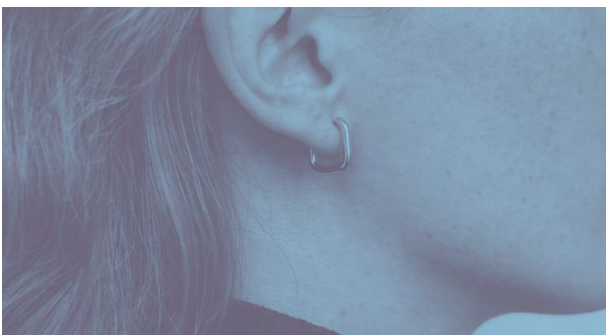
Reduce the depth of large natural folds (e.g., nasolabial folds)



Restore lost soft tissue volume to the face and body



Make facial and body contours more symmetrical and give them a clear, regular shape



Tighten sagging tissues due to age-related changes



Reduce the visibility of other signs of aging

Types of Meamo Labs PLA-based collagen stimulators BEAUX & BEAUY

Collagen stimulators **based on polylactic acid** powerfully stimulate cells to produce their own collagen. They provide long-lasting effects and make skin firmer, smooth wrinkles, and restore lost soft tissue volume.

Meamo Labs offers an innovative line of collagen stimulators that includes two products: **BEAUX** and **BEAUY**

BEAUX	BEAUY
Polylactic acid (PDLLA) + Hyaluronic acid (HA)	Polylactic acid (PLLA) + Sodium carbomethylcellulose (SCMC)



Differences and specifics of using BEAUX and BEAUY

	BEAUX	BEAUY
Main active substance	Poly-D,L-lactic acid (150 mg)	Poly-L-lactic acid (150 mg)
Auxiliary active substance	Hyaluronic acid (HA, 50 mg)	Sodium carbomethylcellulose (SCMC, 50 mg)
Specific application	If the skin is dry but not ptotic	If the skin has severe ptosis
Duration of effect	12-14 months	20-24 months



What is the difference between PLLA, PDLA, and PDLLA?

Lactic acid and its polymer, polylactic acid, have several optical forms, including two stereoisomers (**L- and D-forms**) and a combined **D,L-form**.

The **L- and D-form molecules** are mirror images of each other, like left and right hands, and cannot be superimposed in space.

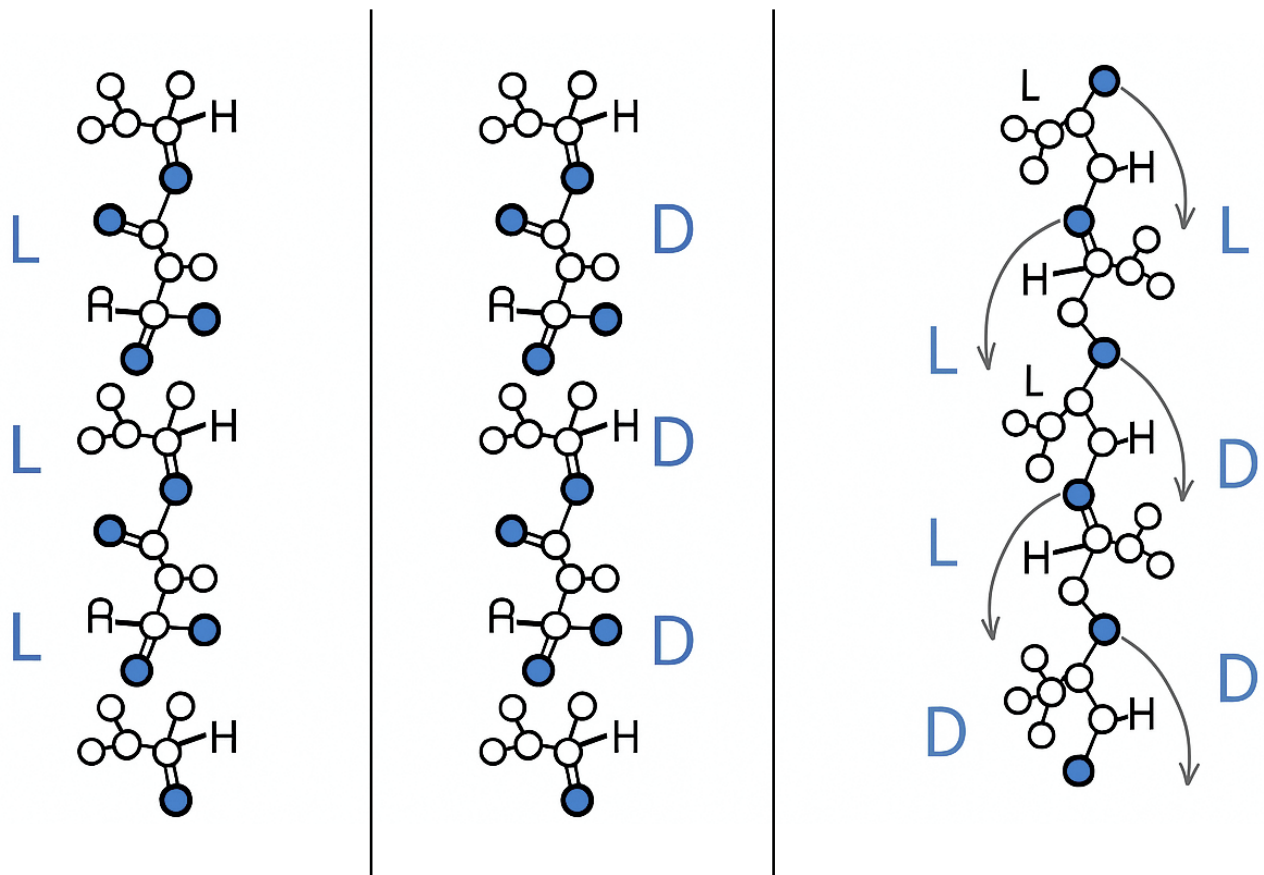
Therefore, the umbrella term **PLA (polylactic acid)** encompasses all three forms:

- **PLLA** (poly-L-lactic acid)
- **PDLA** (poly-D-lactic acid)
- **PDLLA** (poly-D,L-lactic acid)



What is the difference between PLLA, PDLA, and PDLLA?

PLLA and PDLA are both semi-crystalline polymers with regular chain structures. **PDLLA** is an amorphous polymer with a random distribution of L- and D-lactic acids in the chain



PLLA

PDLA

PDLLA

Comparative table of the properties of PLLA, PDLA, and PDLLA

	PLLA (BEAUY)	PDLLA (BEAUX)	PDLA
Chemical stability	...	..	.
Duration of presence in tissues	...	..	..
Intensity of inflammation	.	..	...
Stimulation of collagen synthesis	...	...	..



The ingredients of your beauty

What's included in BEAUX and BEAUY?

Polylactic acid (PLA)

Polylactic acid is a biodegradable polymer synthesized from plant-based lactic acid under controlled laboratory conditions.

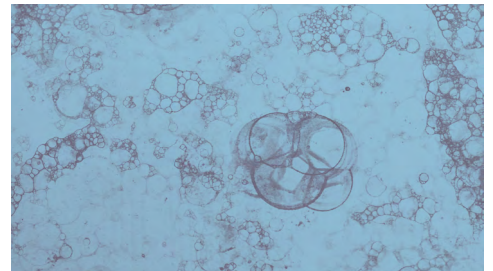
PLA is highly biocompatible and completely safe for the body, gradually breaking down into carbon dioxide and water.

In medicine, PLA has long been used to manufacture absorbable surgical sutures, fixation plates, and implants. Due to its proven efficacy and safety, PLA has gained well-deserved recognition in injectable cosmetology as a powerful stimulator of neocollagenesis



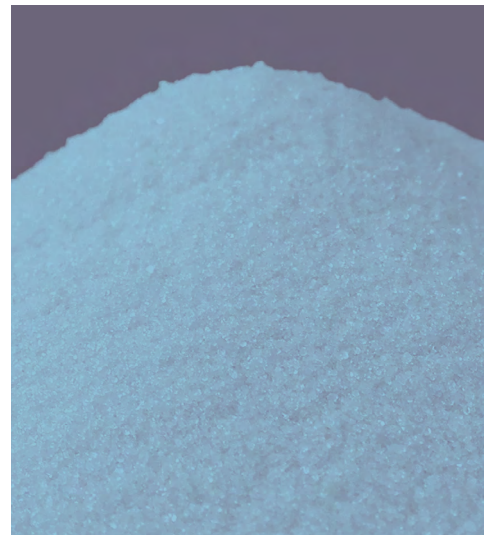
Hyaluronic acid (HA)

It is an all-natural filler that provides full hydration to our skin



Sodium carbomethylcellulose (SCMC)

Studies have proven the effectiveness of injectable SCMC as a dermal filler for replenishing volume. SCMC is also non-toxic, hypoallergenic, and highly viscous, making it useful for restoring facial and body contours



How does BEAUX and BEAU Y work?

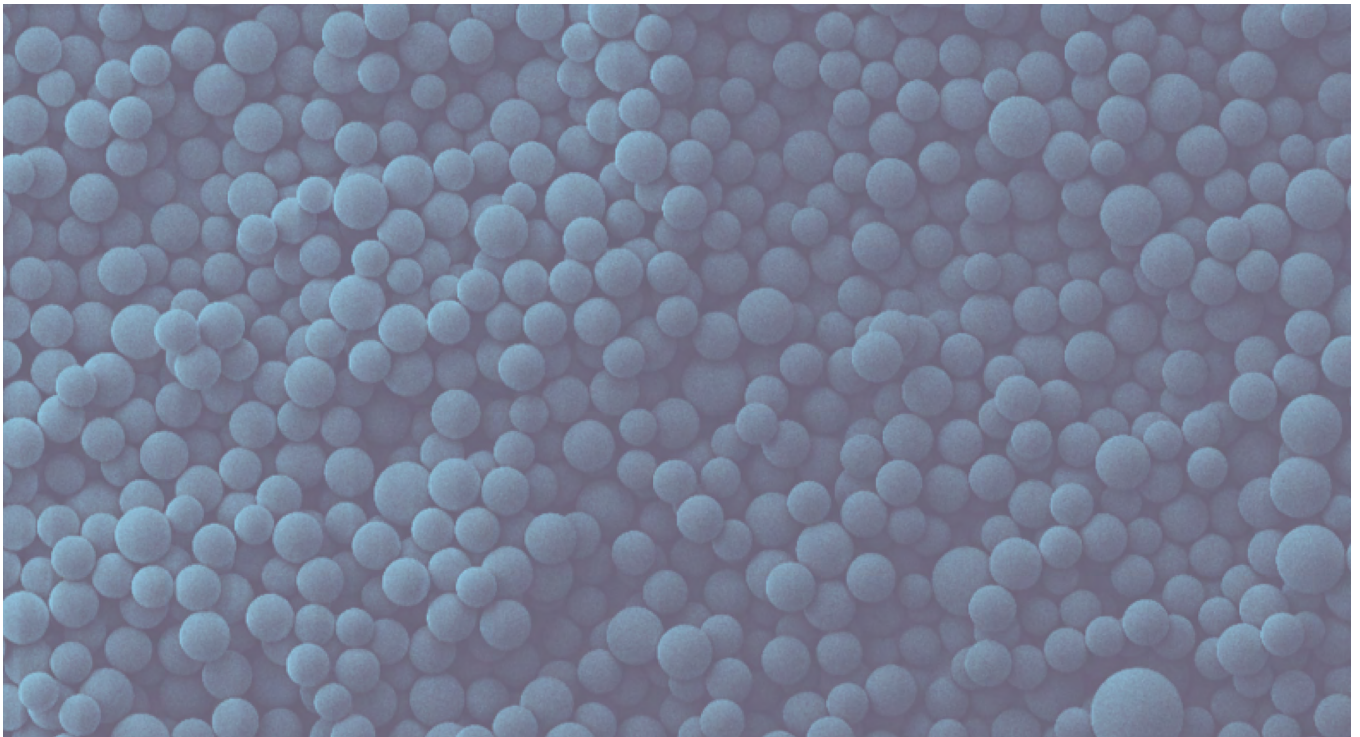


How does BEAUX and BEAUY work?

- **Polylactic acid**

Collagen is the main structural protein of the skin and the body. Long collagen fibers form a strong network in the dermis that supports soft tissues. With age, collagen production decreases and its structure deteriorates, leading to skin laxity, sagging, and wrinkle formation.

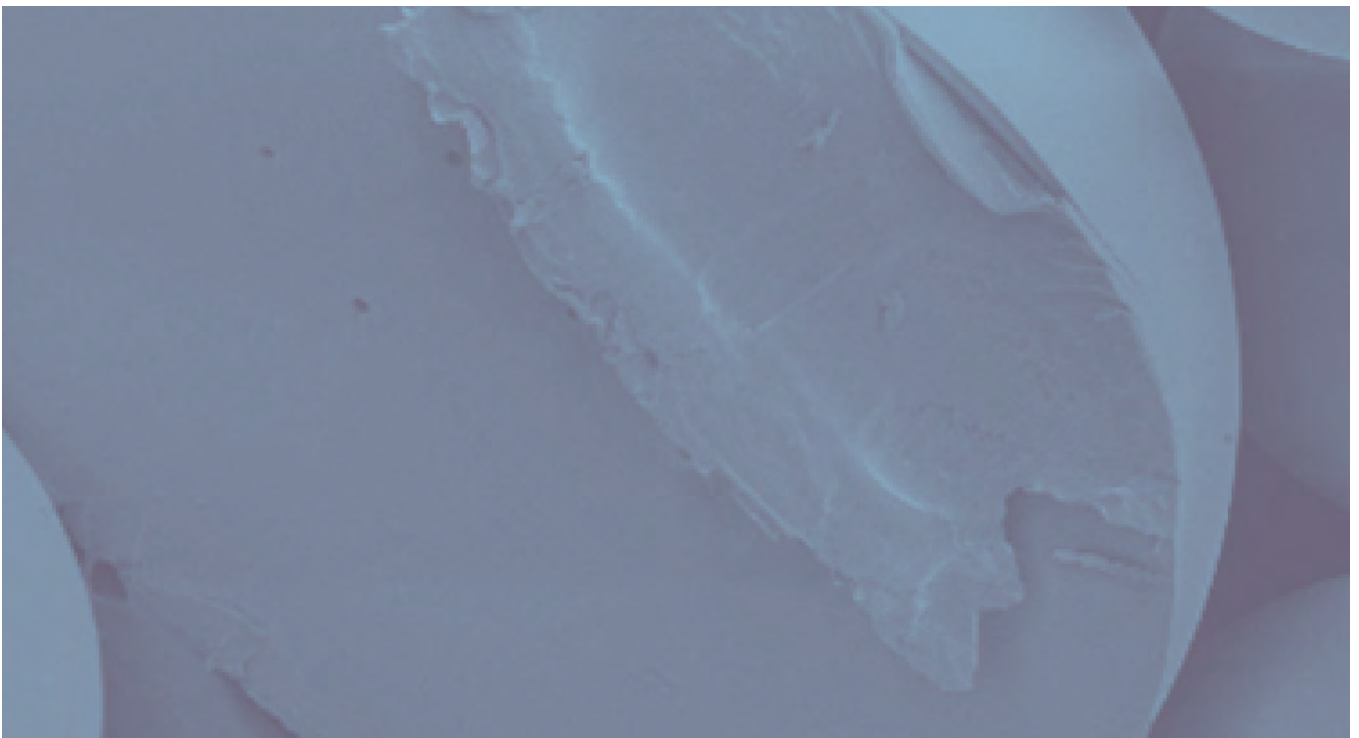
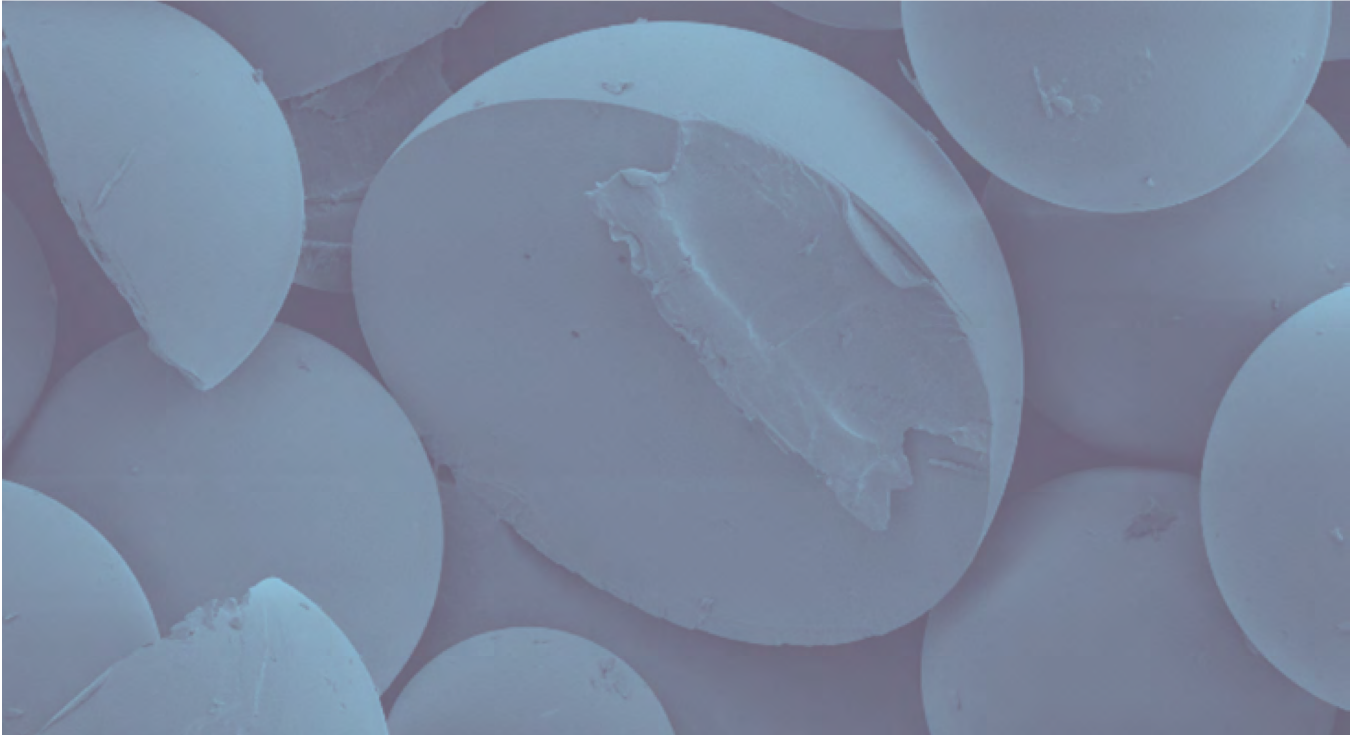
The polylactic acid in BEAUX and BEAUY is presented in the form of biocompatible microspheres



- **The surface** of these microspheres is dense with numerous micropores
- **The inner core** is less dense, allowing cell penetration

How does BEAUX and BEAUY work?

- **Microsphere structure**



How does BEAUX and BEAUY work?

Fibroblasts — the cells responsible for collagen synthesis — migrate through the pores into the microspheres, proliferate, and produce new collagen. Over time, the PLA fully biodegrades, leaving behind a stable collagen framework that supports and lifts the soft tissues

- **Hyaluronic Acid (HA)**

The decline in hyaluronic acid levels is one of the key factors in age-related skin changes. HA in BEAUX provides deep tissue revitalization, restores intracellular hydration, improves skin turgor, and helps replenish lost volume, visibly reducing the appearance of wrinkles

- **Sodium Carboxymethylcellulose (SCMC)**

Due to its high viscosity, **SCMC in BEAUY provides stable soft tissue support** and maintains the desired volume after injection. Additionally, studies confirm its moisture-retention properties, enhancing skin hydration and prolonging the rejuvenating effect

Innovative Smart SPDS technology

Why are BEAUX and BEAUY better than other collagen stimulators?

Smart SPDS™

Smart Solid Phase Delivery System™

Smart SPDS™ is a unique technology designed for the production of microspheres with uniform size and high production yield of **over 90%**

 EXCELLENT PRECISION Perfect spherical shape Uniform particle size	 REMARKABLE QUALITIES High microsphere density Constant decomposition rate
 MASS PRODUCTION High production yield of over 90% High-end manufacturing systems	

The PLA microspheres we use in **BEAUX** and **BEAUY** are manufactured using **Smart Solid Phase Delivery System™ technology**. This ensures that the microspheres are all the same size and have an almost perfect spherical shape



Innovative Smart SPDS technology

Why are BEAUX and BEAUY better than other collagen stimulators?

SMART SPDS™ TECHNOLOGY PROVIDES THE FOLLOWING ADVANTAGES:

- Maximum number of particles **per 1 ml of product**, and therefore the maximum space of matrix for fibroblast multiplication
- **No risk of clogging** and blockage of the needle during injection
- **Maximally** uniform distribution in the tissues
- **Equal density** of the entire new collagen framework
- **All PLA microspheres** have the same biodegradation speed

A COMPARATIVE TABLE OF THE MOST POPULAR COLLAGEN STIMULATORS

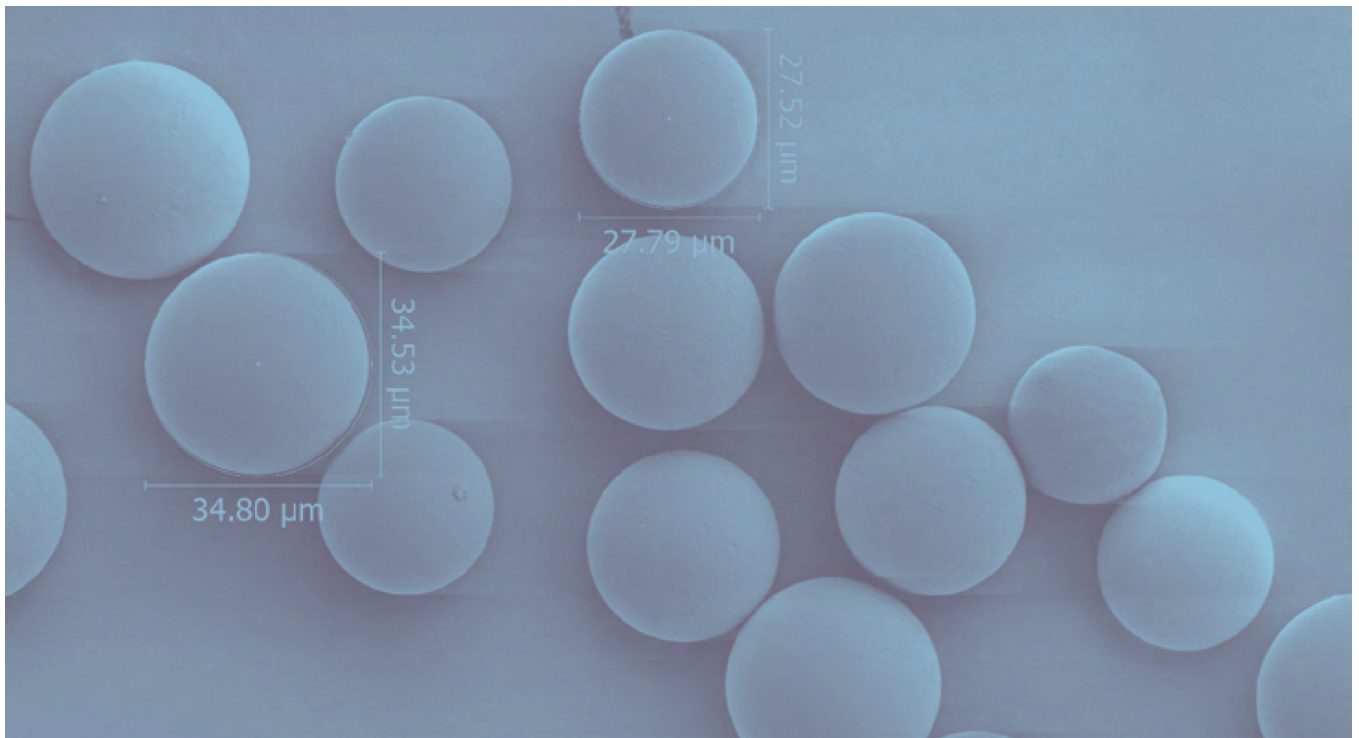
	BeauX	BeauY	Product S	Product A
Volume of active ingredient	150 mg	150 mg	150 mg	150 mg
Volume of SCMC	—	50 mg	90 mg	50 mg
Volume of Hyaluronic acid (HA)	50 mg	—	—	—
Volume of additional ingredients	—	—	127,5 mg of mannitol	—
Particle shape	Spherical, diameter 30 µm ± 10%	Spherical, diameter 30 µm ± 10%	Shapeless	Spherical of various diameters
Preparation time	30 minutes	30 minutes	Up to 2 hours	30 minutes
Price per vial	+++	+++	+	++

Innovative Smart SPDS technology

Why are BEAUX and BEAUY better than other collagen stimulators?

The most important advantage of BeauX and BeauY is that **all of their microspheres are the same size**. Their diameter is **30 μm** , with a spread of no more than 10%. **This is the most physiological particle size**

- At a diameter of **20 μm** or less, the microspheres are actively absorbed by phagocytic cells. The absorbed microspheres lose their collagen-forming function completely
- At a diameter of **40 μm** and above, the risk of fibrosis around particles increases significantly, which blocks their regenerative properties



Perfect spherical shape (SEM x1000)

Top additional benefits of BEAUX and BEAUY

1.

Painlessness and comfort for patients

When preparing the BEAUX and BEAUY working solution, experts recommend using idocaine. This provides safe and effective anesthesia during the injection process

2.

Safety

PLA is a biodegradable and biocompatible polymer that has been used to make medical devices for decades. The FDA approved PLA for use as a safe compound in 1984

3.

Versatility

BEAUX and BEAUY can be used not only on the face, but also on the neck, arms, décolletage area, etc

4.

Long-term preservation of the results

The effect of a full BEAUX course will last up to 12 months. The results of the BEAUY application last up to 24 months!



Quick and easy!
Prepare BEAUX
and BEAUY for use



Prepare BEAUX and BEAUY for use

Unlike other polylactic acid-based collagen stimulators, which can take up to two hours or more to prepare, **BEAUX and BEAUY are ready in just 30 minutes**



sterile water

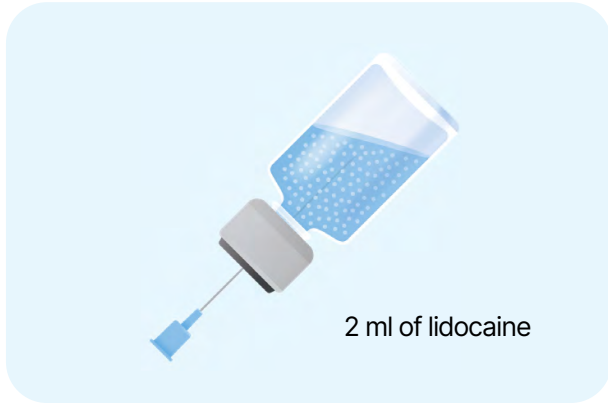
- **Step 1. Prepare the vial**
 - Remove the aluminum cap from the vial
 - Disinfect the rubber stopper with an antiseptic



- **Step 2. Prepare the syringe**
 - Attach an 18G needle to a sterile syringe
 - Draw the amount of **sterile water for injection** specified in the table below and slowly inject it into the vial

Important: Do NOT use sodium chloride (NaCl) solution, as it may interfere with the proper dispersion of the product

Prepare BEAUX and BEAUY for use



- **Step 3. Add lidocaine**
 - Draw **2 ml** of lidocaine into the syringe
 - Slowly inject it into the vial



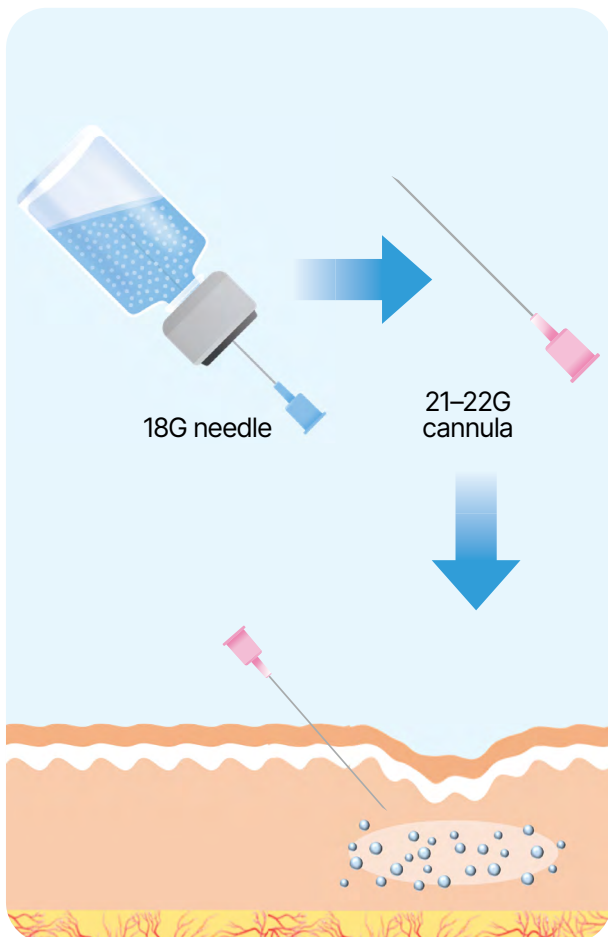
- **Step 4. Mixing**
 - Place the vial on a vortex mixer at **3000 rpm for 30 minutes** or until the lyophilized powder is completely dissolved
 - Alternatively, shake the vial manually for **15–30 minutes** until the powder is fully dissolved
 - If mixing manually, let the mixture rest for **5 minutes**, then shake again for **5–10 minutes**

Tip: If mixing is done manually, you can use a syringe connector to transfer the solution back and forth between two syringes. This speeds up the mixing process and ensures a more homogeneous preparation

Prepare BEAUX and BEAUY for use



- **Step 5. Draw up the solution**
 - Attach an **18G needle** to a sterile syringe and draw up the mixture



- **Step 6. Replace needle and inject**
 - Replace the **18G needle** with a 21-22G cannula
 - Insert the cannula at a **30–40°** angle to the desired depth
 - Slowly inject the solution while withdrawing the cannula

Attention: The prepared solution should be used immediately!

Where and How to Use BEAUX and BEAUY?



Dosages, Treatment Areas, and Injection Techniques for BEAUX and BEAUY

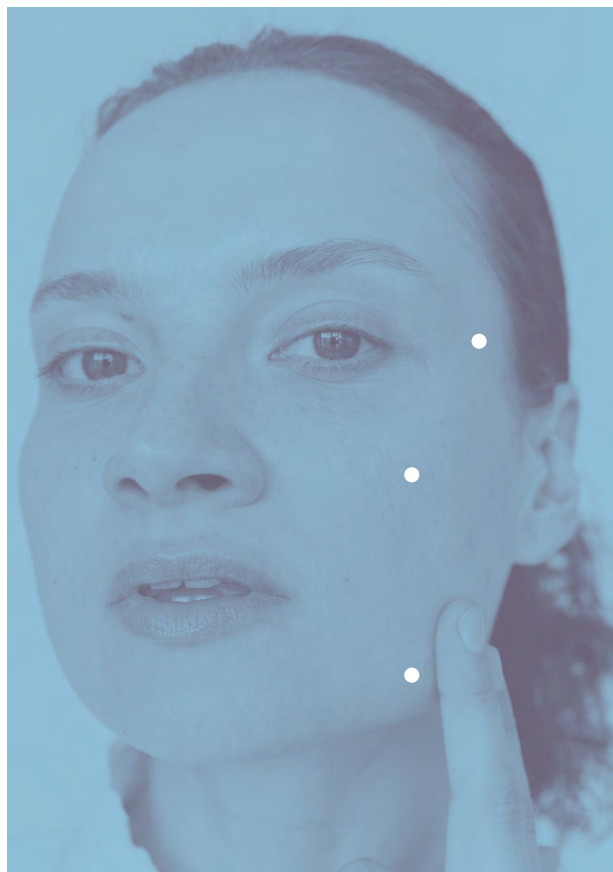
BEAUX and BEAUY provide localized effects — they should be injected directly into areas requiring volume restoration or wrinkle correction

- **Average number of sessions**
for desired results: 3 treatments
- **Interval between treatments:** 4 weeks
- **For maintenance:** repeat treatments every 12 months after completing the initial course
- **Injection depth:**
superficial to mid layers of the hypodermis

Types of Working Suspensions		
Suspension Type	Volume	Treatment Areas*
Standard Suspension	8–10 ml	Face, submental area
Low-Concentration Suspension	15–20 ml	Neck, décolletage, hands, and the submental area (when thin skin or dermatoatrophy is present)

***The selection of treatment areas and suspension concentration is individualized**, based on the clinical presentation and the condition of the patient's skin

Dosages, Treatment Areas, and Injection Techniques for BEAUX and BEAUY



1. Standard Suspension

● Treatment Areas

- Temporal region
- Mid-face: cheekbone and preauricular areas
- Lower face: mandibular region

● Injection Depth

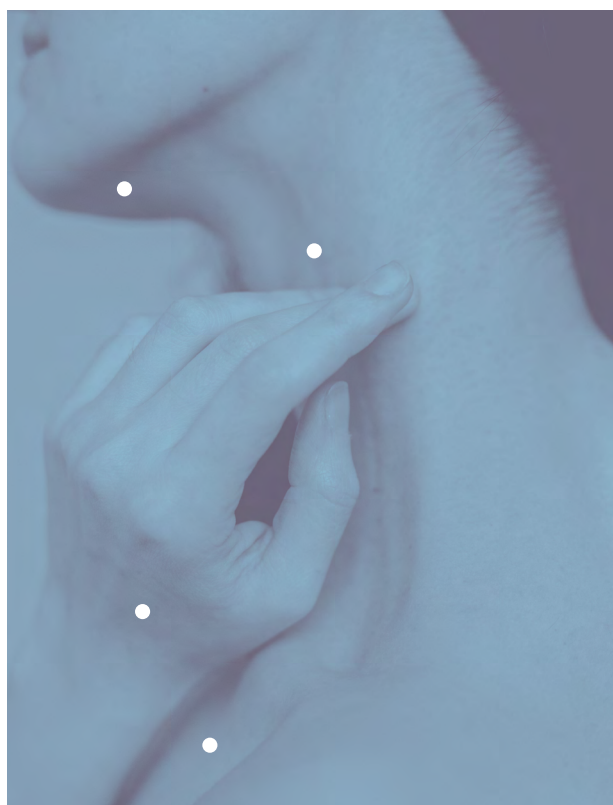
Subcutaneous, upper layers of the hypodermis

● Injection Technique

Cannula 21–22G, length 50–70 mm

● Recommended Course

2–3 treatments
with 1–1.5 month intervals



2. Low-Concentration Suspension

● Treatment Areas

- Submental area
- Neck
- Décolleté
- Backs of hands

● Injection Depth

Intradermal and subcutaneous

● Injection Technique

Cannula 21–22G, length 50–70 mm

● Recommended Course

2–3 treatments
with 1–1.5 month intervals

What should you do after an injection session?

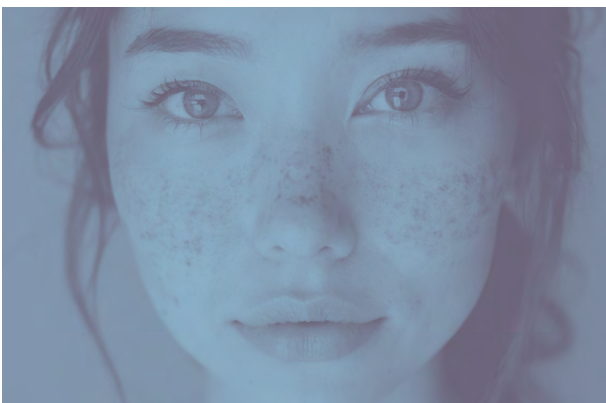
Minimal recovery period

Immediately after the application of collagen stimulators in the injection area, **you may experience:**

- **Swelling**



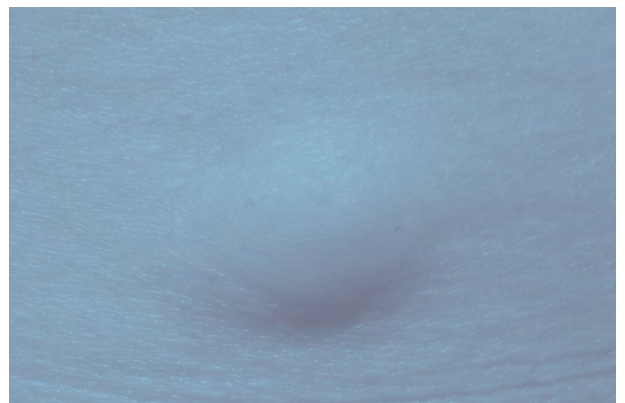
- **Numbness or redness**



- **Small hemorrhages under the skin**



- **Thickened areas**

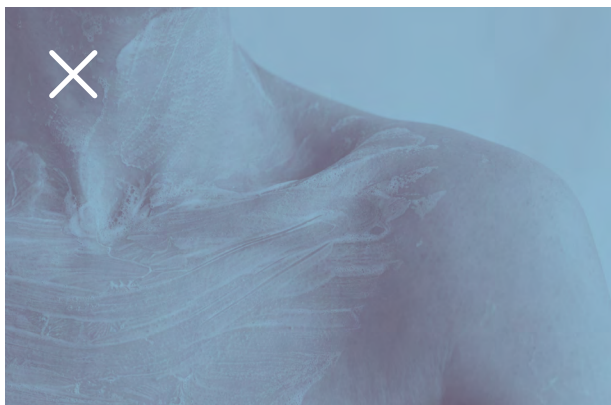


All of these effects are temporary
and will pass on their own in a day or two

Post-procedure recommendations

Also recommend **to your patients:**

- **Avoid**



touching or applying cosmetics to the treated area **for 24 hours**

- **Do not use**



scrubs or peels on the treated skin **for one week**

- **Avoid**



intense physical activities, visiting pools, saunas, and tanning beds **for 2 days**

- **If you experience discomfort**



you can apply ice to the injection areas to speed up recovery and reduce discomfort

How Quickly Can You See the Results of BEAUX & BEAUY Injections?

BEAUX and BEAUY Produce Two Types of Results: Immediate and Delayed:

The immediate effects — wrinkle smoothing and volume restoration — occur right after the injections. Please note that some volume loss may occur 7–9 days after the procedure. This is normal and due to the injection water being absorbed by the tissues.

The delayed effect develops after 3–4 weeks, when fibroblasts begin to penetrate the microspheres, proliferate, and produce collagen. It is recommended to repeat the procedure at this time. With each subsequent injection session, the results become more pronounced. By approximately 16–20 weeks, after completing the full course, a new protein framework is formed in the dermis

How to store BEAUX and BEAUY?

Precautions for the safe storage
and use of the new generation of
collagen-stimulating Meamo labs
BeauX и BeauY

Store the products out
of direct sunlight.



Store the products
below 30°C.



Do not freeze the products.



Do not use the products if
the packaging has been opened
or damaged. **Keep the products
out of the reach of children.**





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