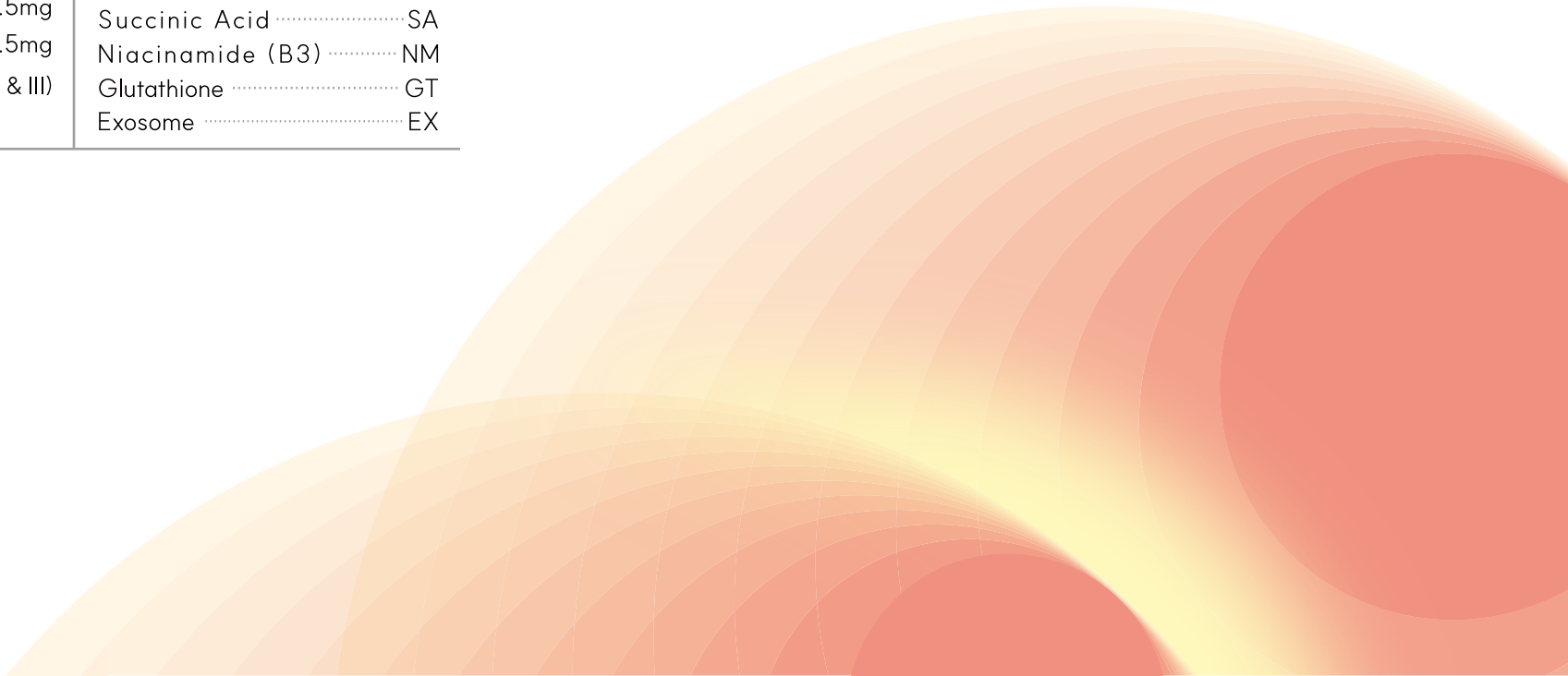


Lapiena®

RH-X Collagen

Recombinant Human Collagen Booster with Exosome

RH Collagen Type I 7.5mg Collagen Type III 7.5mg Recombinant Human Collagen (Type I & III)	HA 50mg
	Succinic Acid SA
	Niacinamide (B3) NM
	Glutathione GT
	Exosome EX



Importance of Collagen for our Body

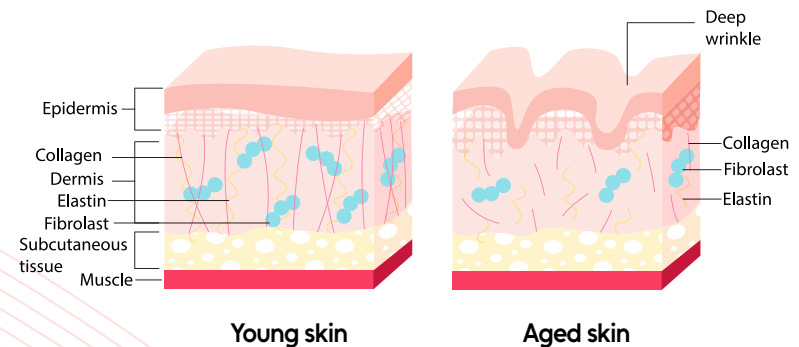
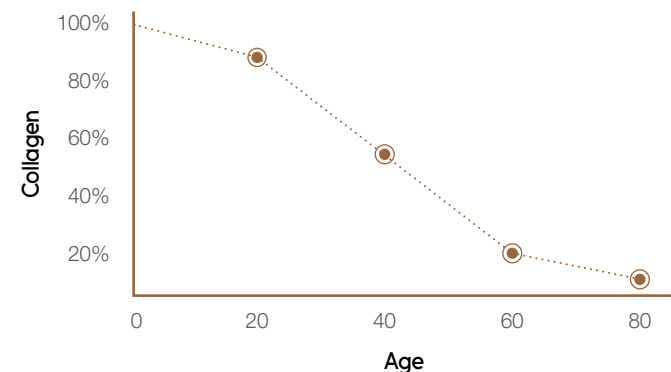
Collagen is **the main structural protein** in the human body, especially in the **skin, joints,** and **connective tissues.**

Type I collagen accounts for **about 70% of the skin's total protein** and is also found in **bones, tendons,** and **cartilage.**

As we age, **fibroblast activity slows down** — leading to reduced firmness, loss of elasticity, visible wrinkles, and uneven skin tone and texture. Collagen levels further decline due to UV exposure, environmental pollution, stress, and unhealthy lifestyle habits.

Effect of Collagen on the Skin

- **Improved skin elasticity**
Reduces sagging and makes the skin firmer
- **Hydration support**
Collagen enhances the skin's ability to retain moisture
- **Wrinkle reduction**
Stimulates new collagen production and smooths fine lines
- **Skin regeneration**
Promotes cell renewal and healing
- **Barrier function**
Strengthens the skin's protective barrier



What is RH Collagen?

A next-generation biotechnological solution

Recombinant Human Collagen

- Biosynthesized for high biocompatibility and minimal risk of allergies.
- Stimulates fibroblasts to naturally boost **collagen, elastin, and hyaluronic acid**.
→ **skin firmness and elasticity improve, wrinkles diminish, and skin tone and texture are enhanced.**

Advantages of Recombinant Human Collagen

Transitioning from traditional animal-derived collagen to recombinant human collagen offers numerous benefits:



Biocompatibility

Identical to human collagen;
low risk of rejection or allergy



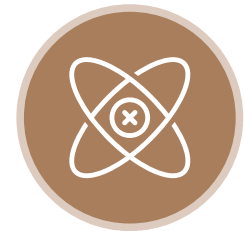
Safety

Safer choice
without animal-derived risks



Ethical Production

No animal use;
cruelty-free production



Consistency

Stable quality and efficacy
in every batch

Production Process of RH Collagen

01



Gene Selection

Scientists identify specific human genes responsible for collagen production

02



Vector Construction

These genes are inserted into plasmid vectors that can be introduced into host cells

03



Host Transformation

The vectors are introduced into host organisms such as yeast, bacteria, or plant cells

04



Collagen Synthesis

Inside the host cells, the genetic material is expressed, leading to collagen synthesis

05



Purification

The produced collagen is extracted and purified for use in various applications

Animal Collagen vs RH Collagen

What's the Difference?

A scientific comparison of performance, purity, and safety

	Animal-derived Collagen	RH Collagen
Source	Skin, bones, or cartilage of animals	Genetically modified yeast, bacteria, or plants
Genetic Similarity	Partial — not fully identical to humans	High — promotes cell growth
Immunogenic Risk	High — may trigger an immune response	Very low — structure matches human collagen
Batch Consistency	Varies depending on the source	High, due to controlled production
Purity	May contain allergens and impurities	Extremely pure, free from animal-derived components
Biocompatibility & Cell Growth	Moderate, less effective	Excellent — mimics native human collagen

Why RH Collagen is the Future

RH Collagen provides unmatched cell viability, safety, and purity.
It is a safer, more effective, and stable alternative for:

- ✓ Advanced skincare
- ✓ Regenerative medicine
- ✓ 100% human-identical
- ✓ Clinically proven performance
- ✓ Safety : Endotoxin level < 0.05 EU/mg

Benefits of Lapiena RH-X Collagen

Combination of Type I & III Collagen



**Rh Collagen
Type I**

- The most abundant collagen found in the skin
- Plays a key role in maintaining the skin's structure, firmness, and strength
- Especially effective in firming aging and weakened skin, and plays a major role in wrinkle improvement



**Rh Collagen
Type III**

- Collagen frequently found in youthful or regenerating skin
- Helps keep the skin soft and promotes fast recovery of damaged tissue
- As collagen naturally decreases with age, supplementing Type III can enhance regenerative capacity

Type I for firm, resilient skin + Type III for soft, regenerative skin = Healthy, well-balanced complexion

“Rh Collagen Type I + Type III = Firmness + Softness + Rapid Recovery”

What makes Lapiena RH-X Collagen special

Key Ingredients of Lapiena RH-X



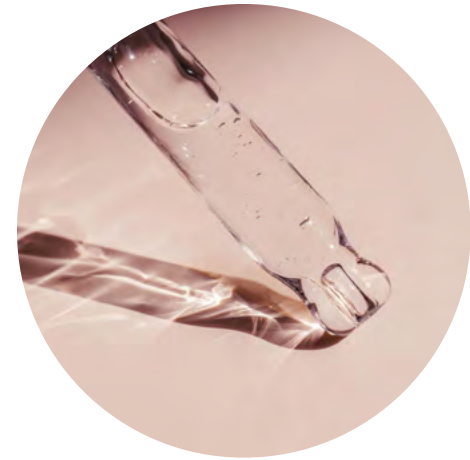
L-Hyaluronic Acid

Low molecular weight hyaluronic acid penetrates deeper into the skin, delivering intense hydration where it's needed most



Succinic Acid

Revitalizes fibroblasts, promoting collagen production and improving skin structure from within

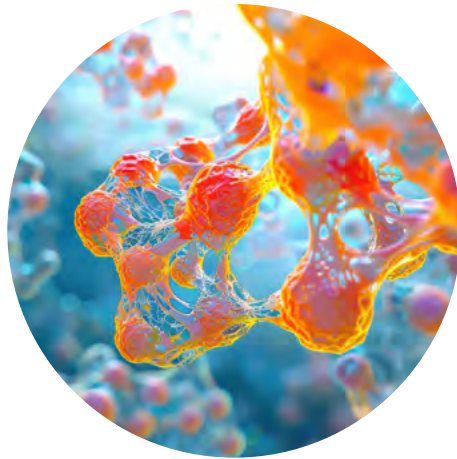


Tranexamic Acid

Helps reduce dark spots and hyperpigmentation by inhibiting melanin production and soothing post-inflammatory discoloration

What makes Lapiena RH-X Collagen Unique

Key Ingredients of Lapiena RH-X



Exosome

Exosomes stimulate skin cell renewal and collagen production, accelerate healing, and reduce inflammation, leaving skin firm and healthy



Glutathione

Glutathione protects skin from free radicals, reduces melanin production, brightens and evens skin tone, and helps prevent photoaging



Niacinamide (Vitamin B3)

Niacinamide strengthens the skin barrier, locks in moisture, reduces pigmentation and pore size, and improves skin texture and elasticity

Benefits Overview



Natural Volumizing

Human-derived ingredients enable safer and more natural volumizing effects than normal HA fillers



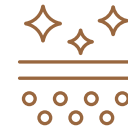
Hydration

Deep hydration with low molecular HA, barrier support with niacinamide



Skin Regeneration

Speeds up skin healing with Rh Collagen, supports regeneration with succinic acid and exosome



Brightening

Brightens skin and fades dark spots with niacinamide, glutathione, and tranexamic acid

Application Guide

Treatment Areas

- **Face:** Nasolabial folds, Crow's feet, Forehead lines, Marionette lines, Frown lines, Dark circles, Eye bags
- **Body:** Elbows, Armpits, Knees, Neck wrinkles (Gular suture), Hands

Treatment Methods

- MTS
- Derma-roller
- RF & Laser Device
- Non-invasive Devices



Treatment Journey



Main Program 1st Session

Instant effects

- Volumizing
- Lifting
- Wrinkle reduction

1 month

Main Program 2nd Session

Long-term skin regeneration

- Collagen & elastin stimulation
- Improved skin density & firmness

3~4 months

Maintenance Program 3rd Session

Maintenance Program 4th Session

1 month

Packaging & Specifications



Product Name

Lapiena RH-X Collagen

Volume

2.5ml / syringe

Package

1 pre-filled syringe / box

Shelf Life

36 months

Storage

Below 30°C, away from sunlight



Rebuild. Renew. Radiate.

Lapiena RH-X Collagen - where refined structure defines timeless beauty.

HJ corporations

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