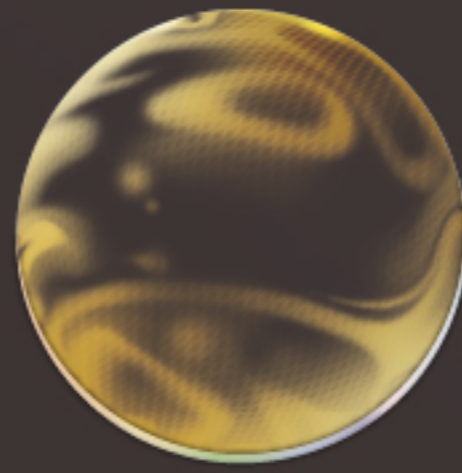


AETERDERM®



AETERDERM®

PURICOLL Rh

Recombinant Human Collagen Booster



Language EN

AETERDERM®

PURICOL^{rh}



Why Recombinant Human Collagen

Bioengineered through gene recombination technology, Rh Collagen is 100% identical in structure to native human collagen,

ensuring high purity, superior stability, and complete control over immune response and potential side effects —

which makes it the world's first injectable formulation of pure recombinant human collagen.

Refined in a precisely controlled environment, this collagen is free from foreign substances and impurities. Its molecular size, length, and alignment are consistently uniform, ensuring exceptional quality.

● Highly Body-friendly

Because it is 100% identical to native human collagen, Rh Collagen does not trigger immune rejection or allergic reactions.

● Effective and Safe

Produced in a strictly controlled environment through a precision system, its high purity and consistent molecular structure ensure both safety and efficacy.

● Relatively Painless

Due to its low immunogenicity, the injection causes minimal pain.

● No Downtime

There's no downtime, so patients can return to their daily activities immediately.

● Immediate & Long lasting results

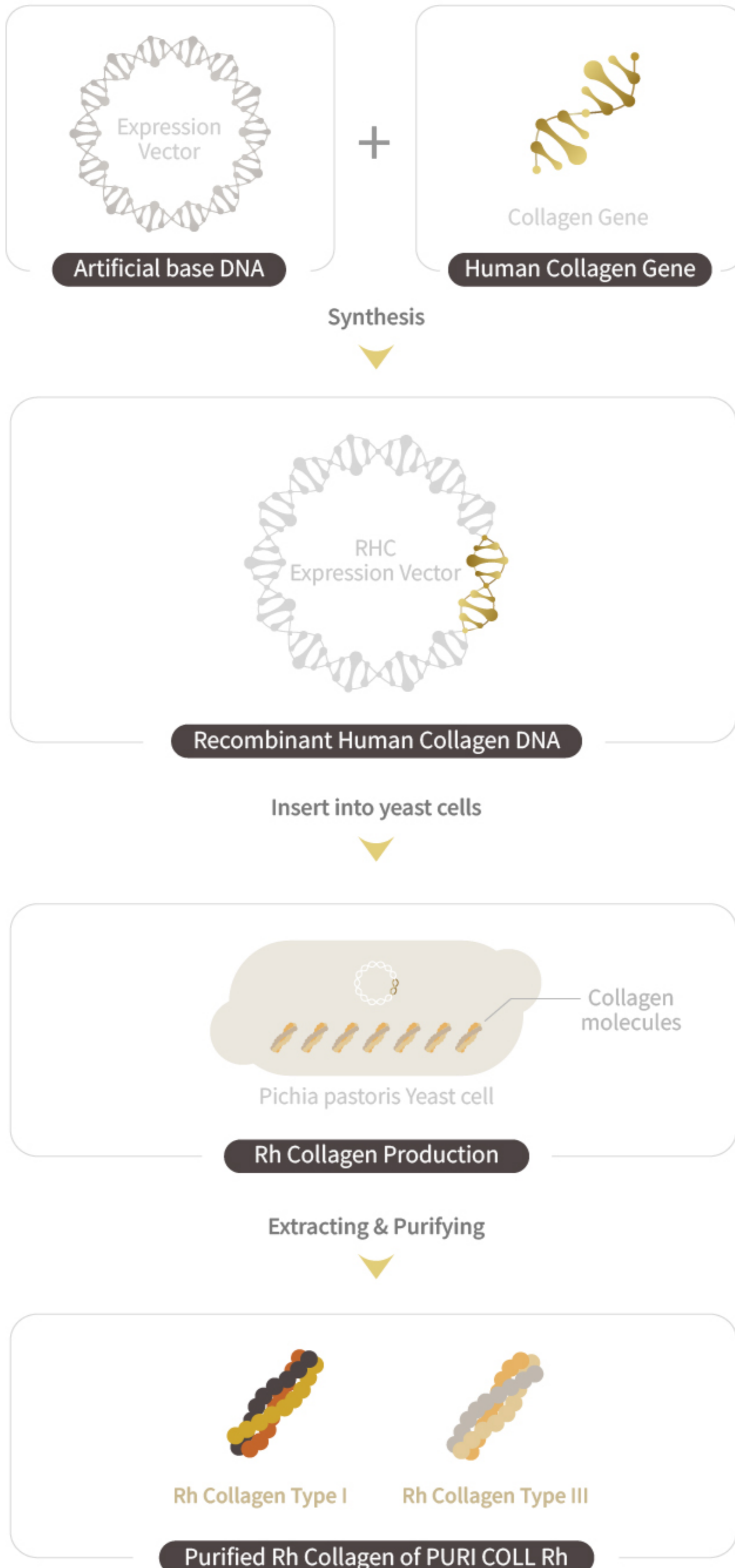
In addition to the immediate support and elasticity of Type I collagen, the fibroblast activation and tissue regeneration effects of Type III collagen provide long-lasting benefits.

● No Ethical Issues

Lab-cultured collagen—ethically made and free from religious concerns.

How Recombinant Human Collagen is Made

This collagen is genetically engineered to be structurally and functionally identical to human collagen, based on the verified gene sequence (GenBank accession no. X12842).



Synergistic Formulation

PURI COLL Rh contains not only Type I collagen for structural support and elasticity, but also Type III collagen, which is specialized in tissue regeneration — promoting fibroblast proliferation and skin renewal.



Rh Collagen Type I

Firm collagen for elasticity and wrinkle improvement









Rh Collagen Type III

Soft collagen for tissue regeneration and repair

PURI COLL Rh is formulated with regenerative factors and functional peptides that activate fibroblasts and collagen production, maximizing its lifting effect.



- 
Succinic Acid
 Boosts fibroblast activity for collagen synthesis
- 
Hyaluronic Acid
 Creates ideal conditions for new collagen formation
- 
PDRN (PolyDeoxyRiboNucleotide)
 Enhances collagen recovery through DNA-based healing
- 
Galloyl Tripeptide-35
 Delivers antioxidant action through polyphenols
 Binds to receptors to trigger collagen production
 Inhibits MMPs to protect collagen from breakdown
- 
Nicotinoyl Tripeptide-1
 Activates collagen via the TGF- β signaling pathway
- 
Nicotinoyl Octapeptide-1
 8-amino-acid peptide promotes skin regeneration

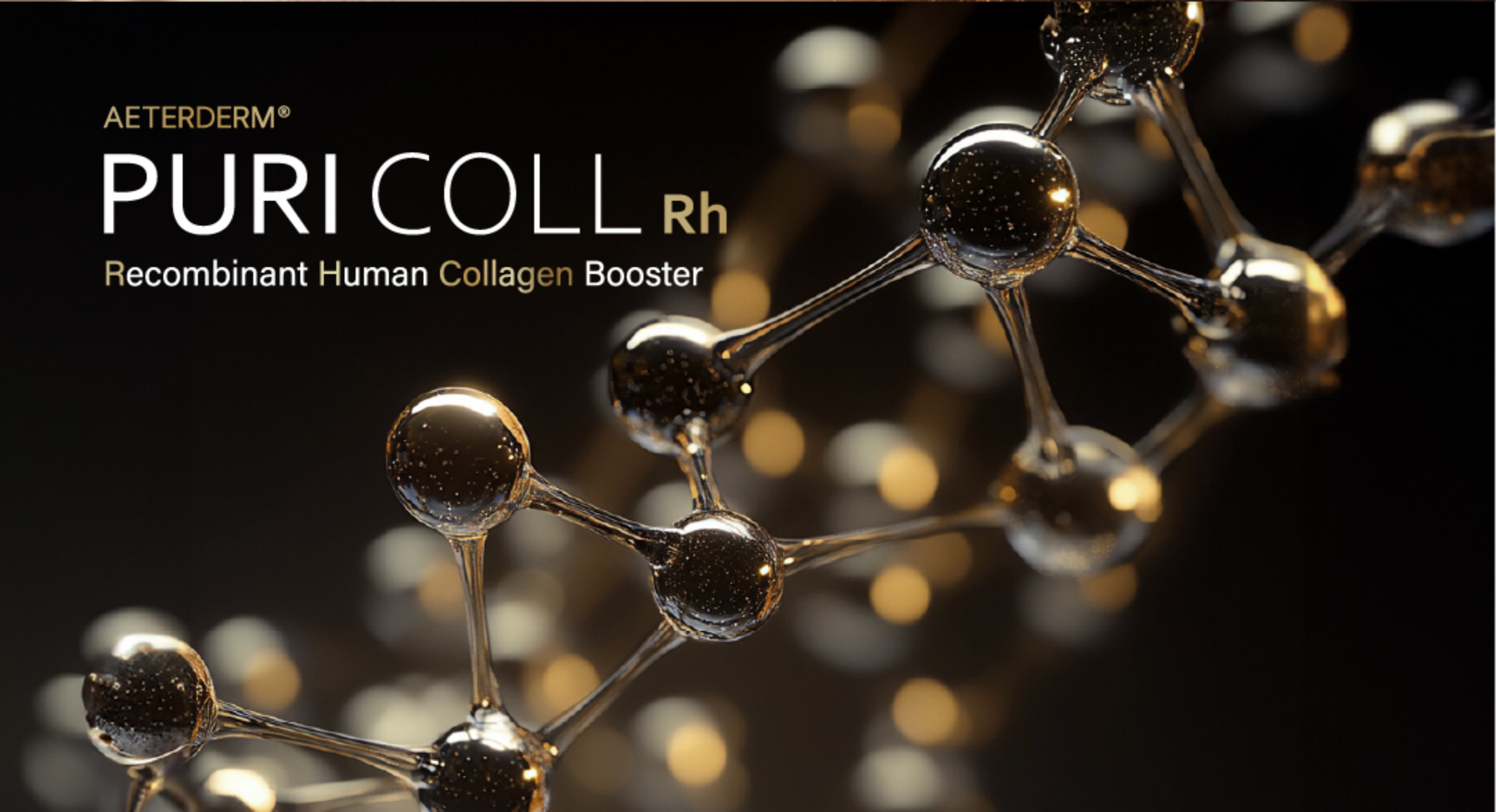


Awaken Your Skin's Natural Collagen

AETERDERM®

PURI COLL Rh

Recombinant Human Collagen Booster

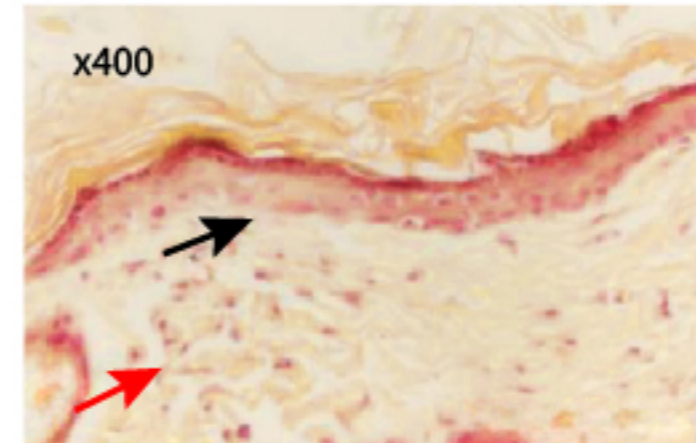
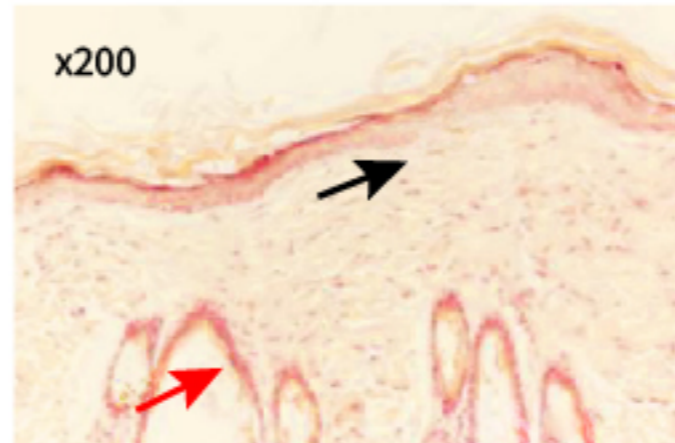
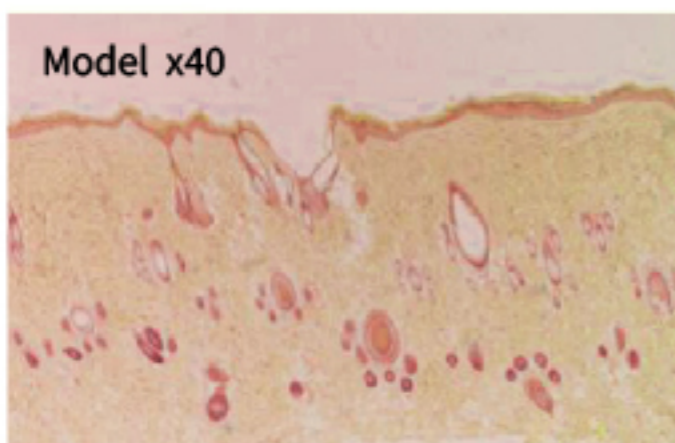


Clinical / Non-clinical Trial

Microscopic Pathology Analysis of Tissue Restoration

Histological Evaluation of Tissue Repair Effects

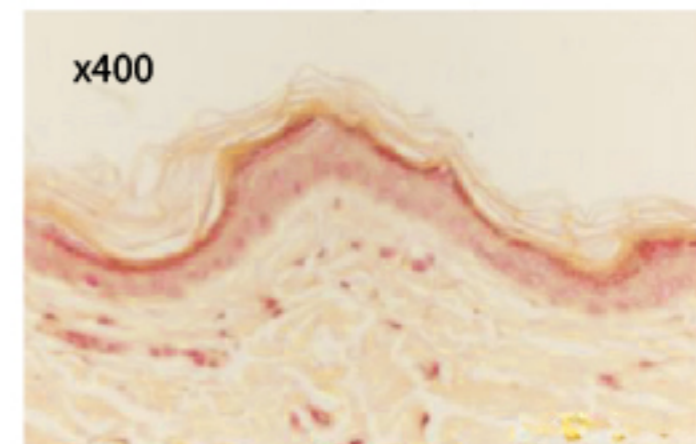
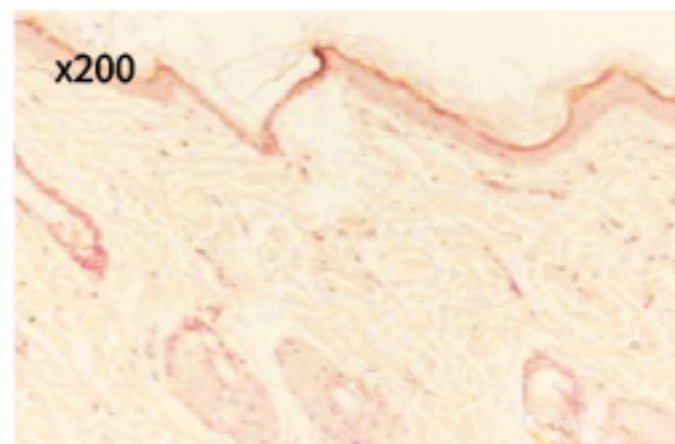
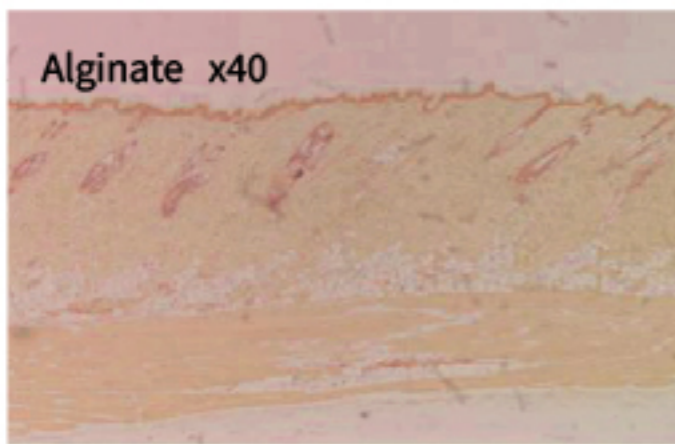
Severely Damaged Skin



→ hyperplasia
→ Inflammation

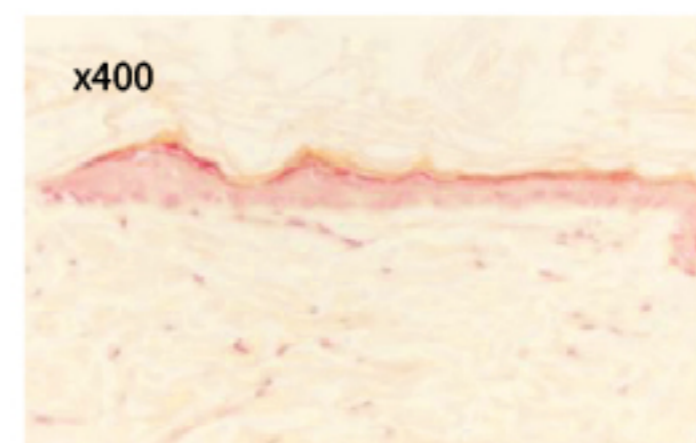
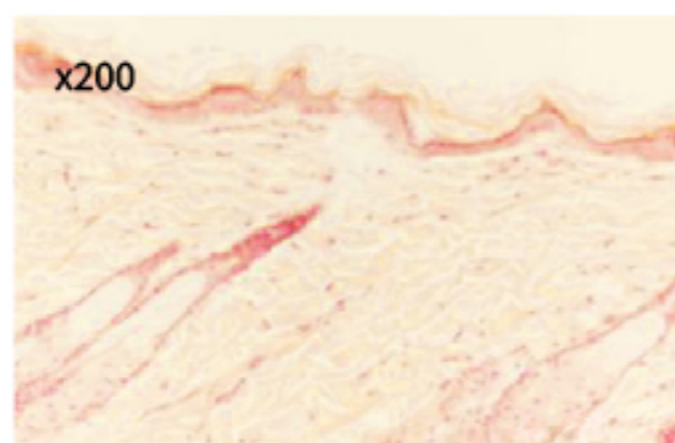
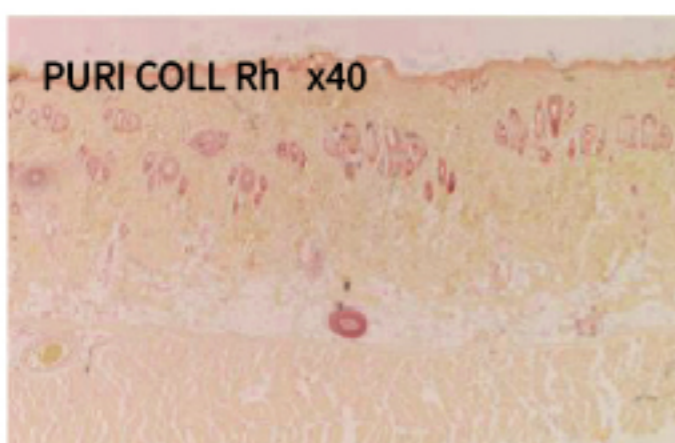
Skin showing severe tissue damage caused by external stress and aging. Pathology score over 6, with ongoing inflammation and epidermal hyperplasia.

Alginate Treatment



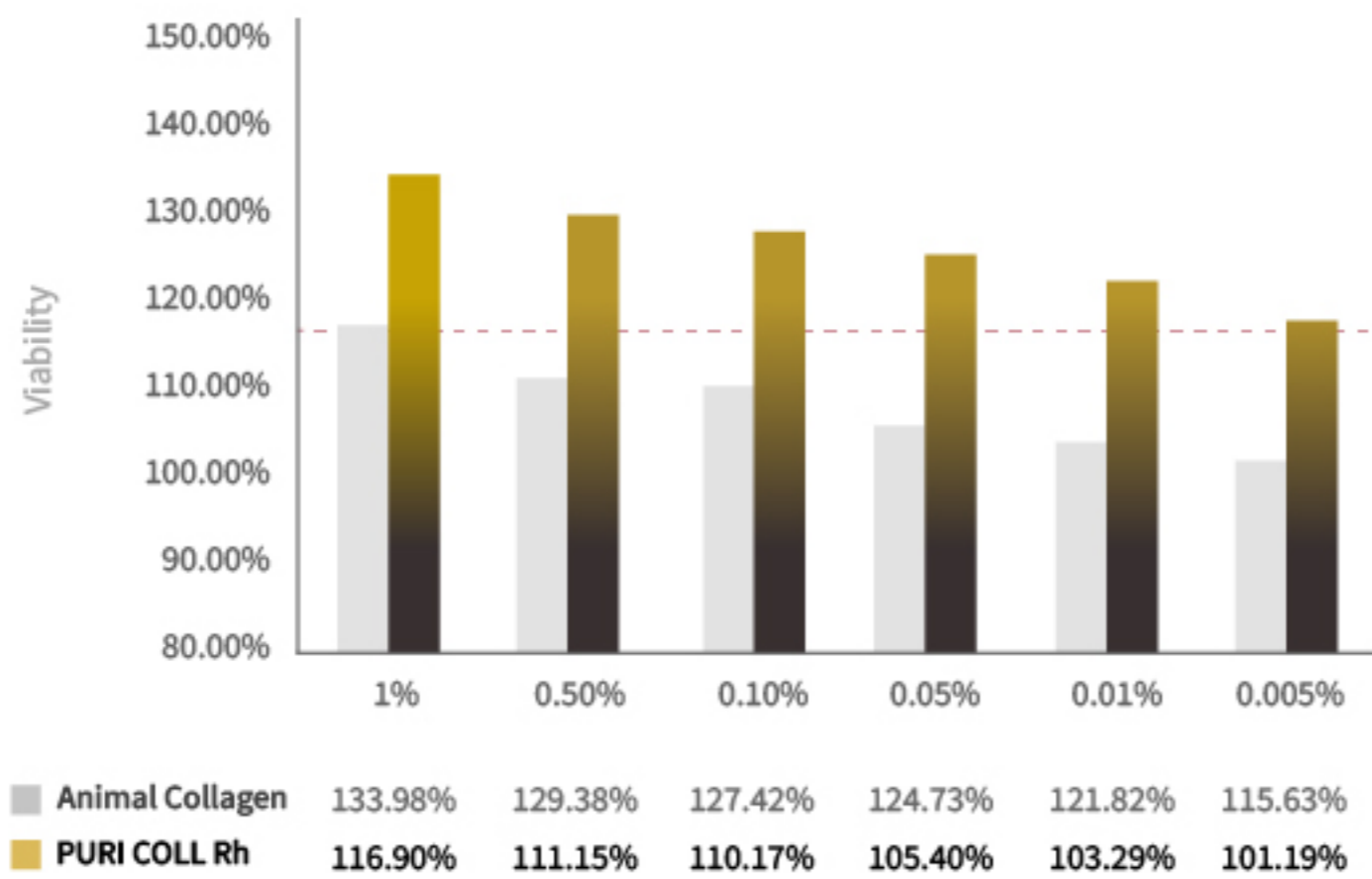
Skin treated with alginate-based soothing agents. Provided physical protection but showed minimal improvement in regeneration and inflammation control.

PURI COLL Rh Treatment



Skin treated with PURI COLL Rh showed a 52.8% improvement in tissue structure. Significant reduction in both epidermal hyperplasia and inflammatory response was observed.

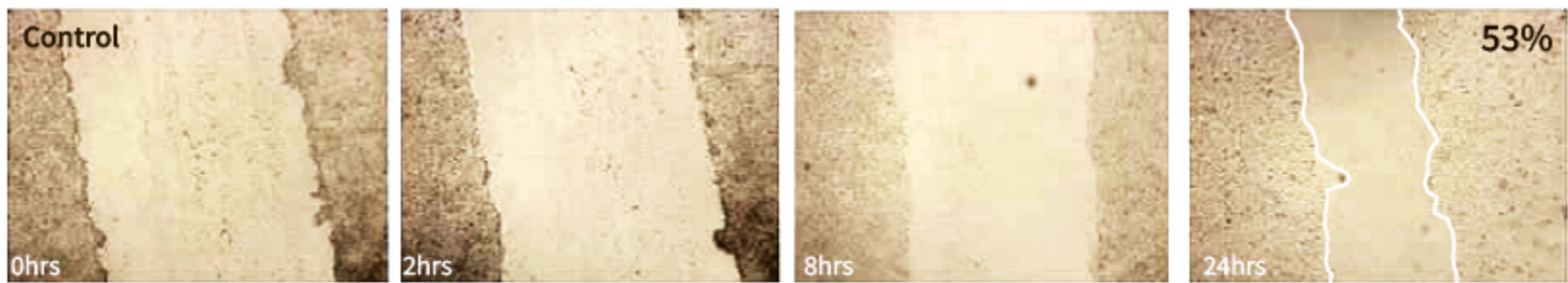
■ Comparative Cell Viability with Animal-Derived Collagen



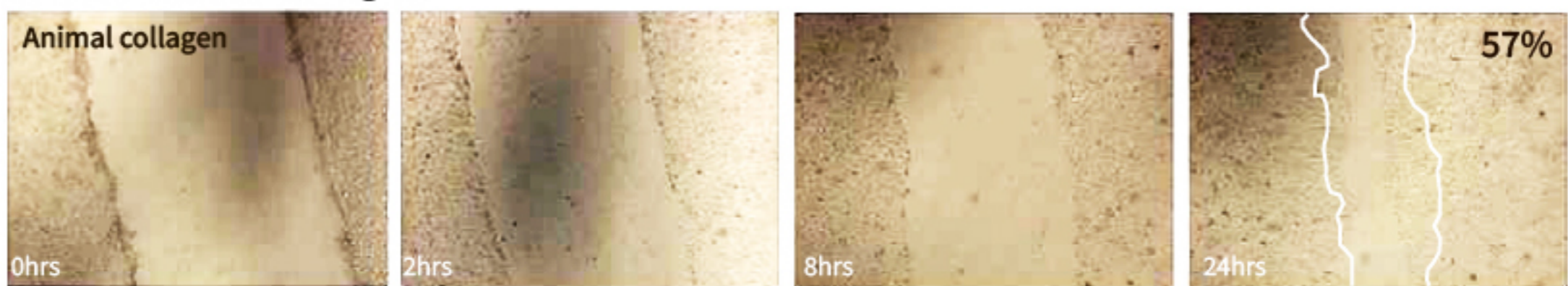
PURI COLL Rh’s Recombinant Human Collagen demonstrated 15% to 19.33% higher cell viability compared to animal-derived collagen, and showed significantly stronger stimulation of collagen production in vitro.

■ Cell Migration & Wound Healing Test

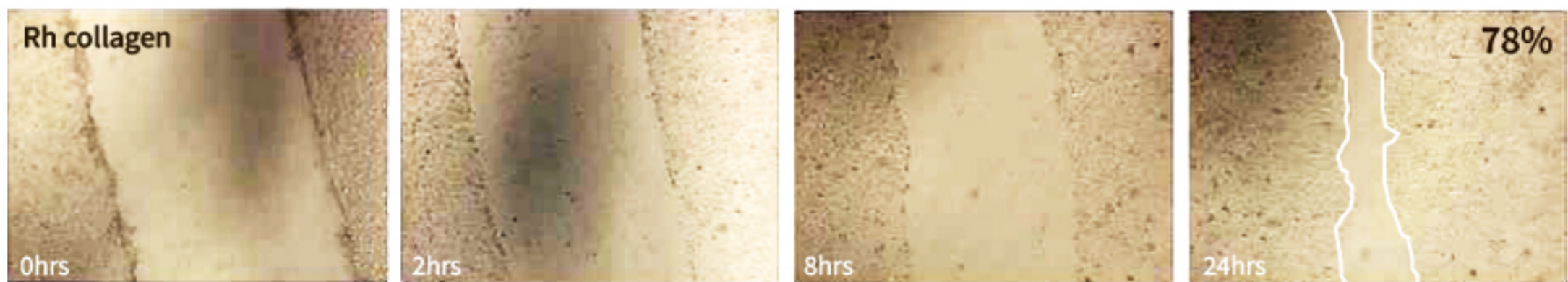
Natural Healing



Animal-Derived Collagen



Recombinant Human Collagen (PURI COLL Rh)



Tissue recovery in skin treated with animal-derived collagen reached 57%, showing only a 4% improvement over natural healing.

In contrast, skin treated with recombinant human collagen achieved a 78% recovery rate within just 24 hours, indicating significantly faster and more effective wound repair.

Guidance

■ Indication

PURI COLL Rh is a bio-collagen formulation designed for skin regeneration treatments focused on **Lifting** **Tightening** and **Brightening**

■ Application Sites

Face

Nasolabial folds
Crow's feet

Forehead lines
Marionette lines

Frown lines

Eyes

Dark circles
eye wrinkles
eye bags

Body

Elbows
Armpits
Knees

Neck wrinkles (Gular suture),
Hands

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■ Procedure

Treatment Method

Hand Injection technique

27G 1/2”(13mm)

Retrograde Linear Technique

25G ~ 27G Cannula (38mm ~ 50mm)

Injection Depth

Deep dermis (2.5mm ~ 4mm)

Collagen-dense layer where regeneration and ECM remodeling are most active.

※ When using a meso gun, injection depth is limited to 0.5–2mm, which may reduce long-term collagen regeneration.

※ ECM (Extracellular Matrix) refers to the skin’s support structure composed of collagen, elastin, hyaluronic acid, and fibroblasts.

Main Course

2 sessions, 1 month apart

1st Session

Immediate volumizing

Lifting effect

Wrinkle improvement

2nd Session

Stimulates collagen and elastin production

Increases skin density and firmness

Additional Course

After 3~4 months, an additional 2-session treatment is recommended at 1-month intervals


Adjunctive Treatment Options

RF & Laser Device (Secret RF, Potenza etc.)

Promotes collagen regeneration and enhances the synergistic effect of PURI COLL Rh treatment.

Non-Invasive Recovery Device (Cryocell, LDM, LED etc.)

Supports post-treatment calming and recovery, boosting the overall results when combined with PURI COLL Rh.



The Ideal Lift, Powered By Biotech

100% Identical Human Collagen,
Engineered with Genetic Recombination Technology

Human Collagen Type I & III,
Synthesized via RHC Expression Vector

AETERDERM®

PURICOLL Rh

Recombinant Human Collagen Booster

[COMPOSITION]

Rh Collagen Type I	7.5 mg
Rh Collagen Type III	7.5 mg
Succinic Acid	30 mg
Hyaluronic Acid	50 mg
PolyDeoxyRiboNucleotide	5 mg
Galloyl Tripeptide-35	q.s.
Nicotinoyl Tripeptide-1	q.s.
Nicotinoyl Octapeptide-1	q.s.
Acetyl Hexapeptide-8	q.s.

[PACKAGING]

1 pre-filled syringe / 1 box



WEDERM



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