

REGENIN[®] BOOSTER

Beyond peptide : Next level
Regeneration from inside

NineBiopharm Co., Ltd.

R&D

As a company specializing in peptide material development, we develop bio materials based on various peptides that can be applied to pharmaceuticals, medical devices, and cosmetics

Peptide

We have secured many bio-derived peptide libraries through an independent peptide development platform (anti-bacterial, microbial, venom, plant-derived peptides, etc.)

Platform

We possess an independent peptide material development platform chain to find and commercialize effective peptides

ReGENIN Booster Product Characteristic



Three Elements of Skin Dermis

- Hyaluronic acid (moisturizing)
- Collagen (skin support)
- Elastin (elasticity)

Six Kinds of Skin Improvement Effects

- Wrinkle Improvement
- Elasticity Improvement
- Skin Moisturization Improvement
- Skin Regenerative Power Increase
- Skin Texture Improvement
- Skin Tone Improvement

Nine Kinds of Core Components for the Skin

Snake Venom Peptides, Hibiscus Peptides, Natural Anti bacterial Peptides, Glutathione, Polymer Hyaluronic Acid, Swiss Edelweiss Callus Culture Extract, Vitamin, Amino Acid, Adenosine

ReGENIN Booster 369

ICID International Cosmetic Ingredient Dictionary

Snake Venom Peptides

- High potency collagen synthesized new material
- Skin regeneration and wrinkle improvement effect

Polymer Hyaluronic Acid (HA)

- Strong moisturizing effect
- High quality HA used for dermal filler is used

Vitamin

- Antioxidant effect

Hibiscus Peptides

- Elastin increased new materials
- Skin regeneration and elasticity improvement effects

Glutathione

- 100x Antioxidant Effect of Vitamins
- Main Component of Whitening Injection and White Jade Injection

Adenosine

- Wrinkle Improving Functional Raw Material

Natural Antibacterial Peptides

- Excellent anti-aging effect
- Wound-healing effect

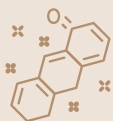
Swiss Edelweiss Callus

- A high antioxidant effect
- The effect of maintaining the moisturizing power of the skin

Amino Acid

- An increase in cellular activity

9 Kinds of Core Components of the ReGENIN Booster



Independent Peptides Development Platform Technology Integration



Collagen Synthesized Elastin Increase Wound-Healing Exclusive Technology



EWG Grade 1 Certified Component Formula

5 Kinds of Key Points for the ReGENIN Booster

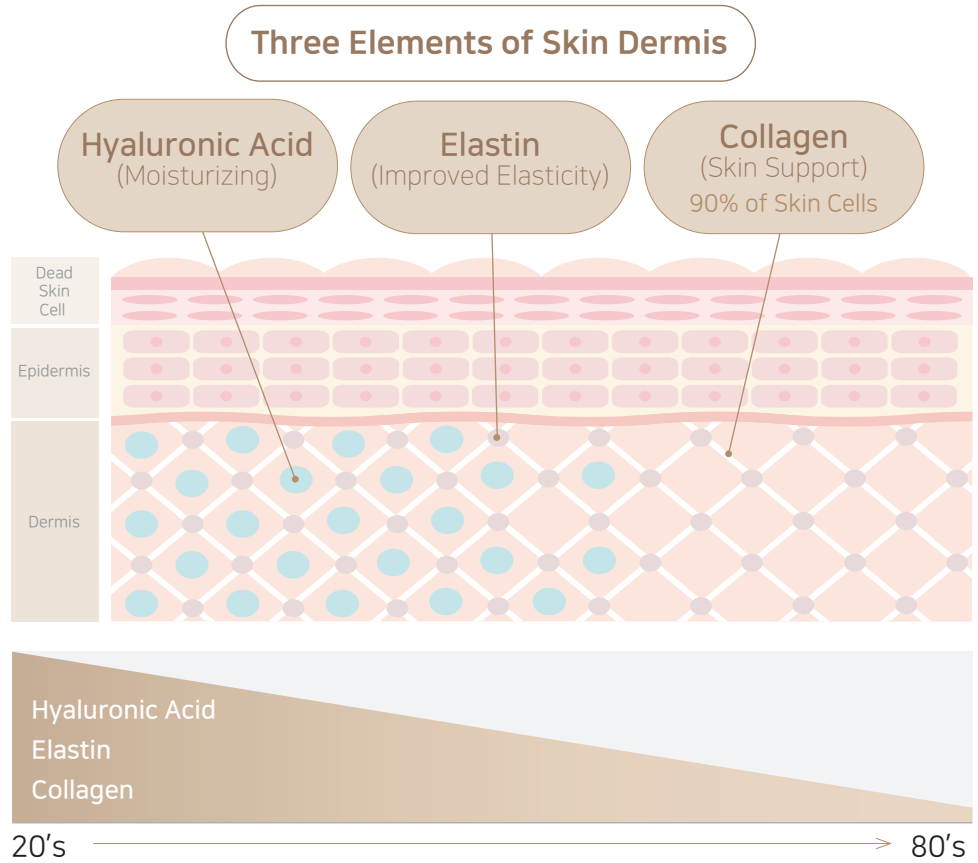


Sterilized Packaging



Safety Conformity Test (KOLAS)

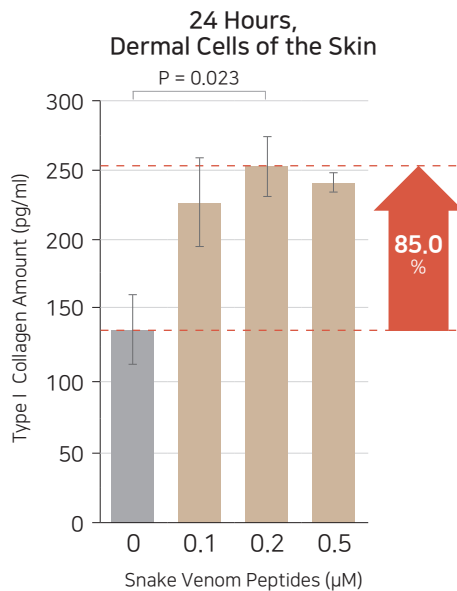
ReGENIN
Booster efficacy
**Three
Elements of
Skin Dermis
Improvement**



**Skin Elasticity
Improvement**
Effect Due to
Collagen
Formation and
Increased Elastin

Collagen Synthesis

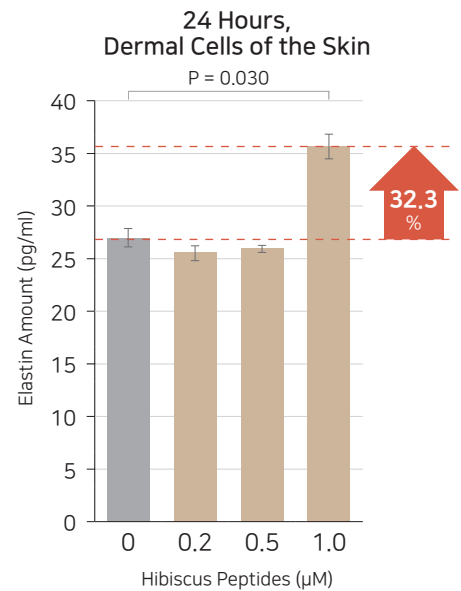
Snake Venom Peptides



Evaluate the collagen synthesis efficacy after providing UVB stimulation to the dermal cells of the skin and processing the snake Venom peptide for 24 hours
(Source: Corporate R&D Center, NineBiopharm Co., Ltd.)

Elastin Increase

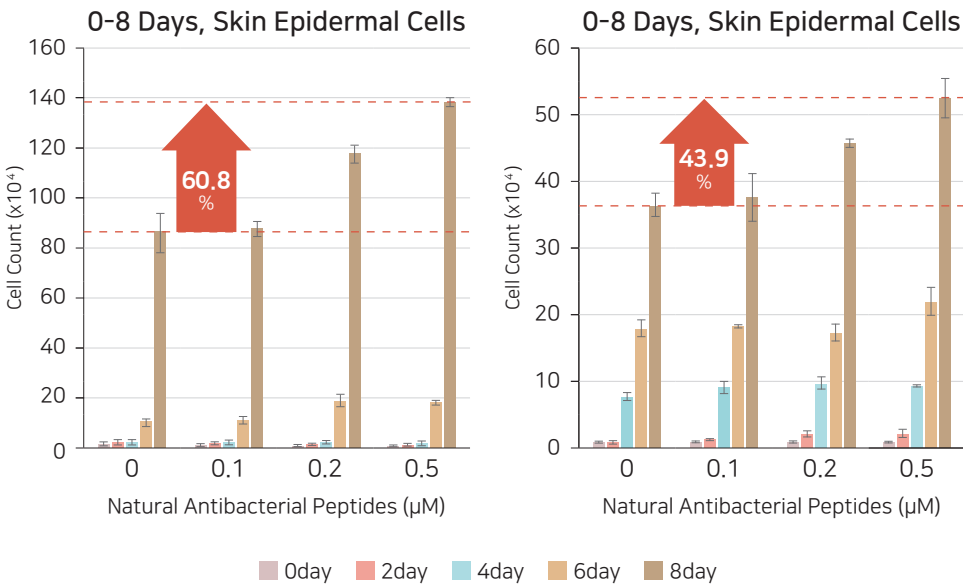
Hibiscus Peptides



Evaluate the quantitative growth efficacy of elastin after processing hibiscus peptide for 24 hours in the dermal cells of the skin
(Source: Corporate R&D Center, NineBiopharm Co., Ltd.)

Skin Regenerative Power Test/ **Cell Proliferation Efficacy Evaluation**

Natural Antibacterial Peptides

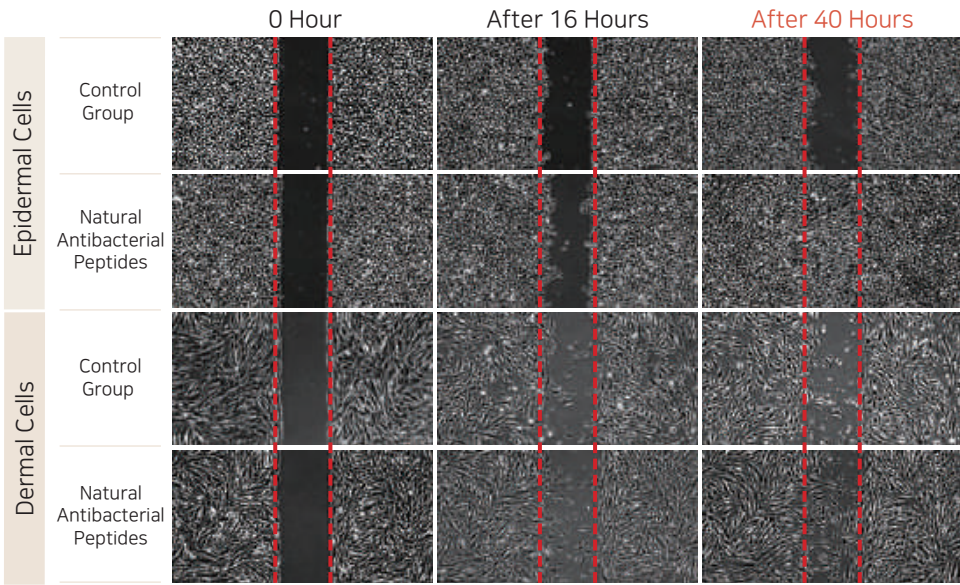


Evaluate the proliferation efficacy of the cells 8 days after natural antibacterial peptide treatment on the epidermal cells and dermal cells of the skin
 (Source: Corporate R&D Center, NineBiopharm Co., Ltd.)

Increased skin regeneration
Wrinkle Improvement Efficacy

Skin Regenerative Power Test/ **Wound Healing Efficacy Evaluation**

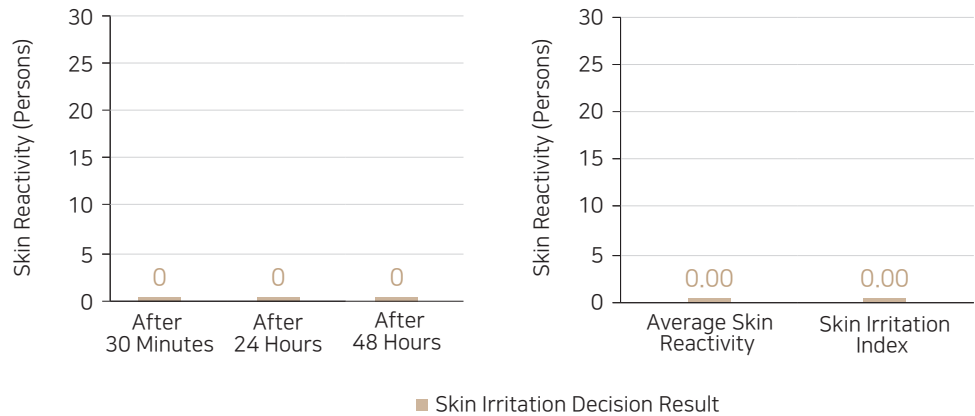
Natural Antibacterial Peptides



Evaluate the wound healing efficacy 0, 16, and 24 hours after treating the epidermal cells and dermal cells of the skin with natural antibacterial peptides (2.5 μM)
 (Source: Corporate R&D Center, NineBiopharm Co., Ltd.)

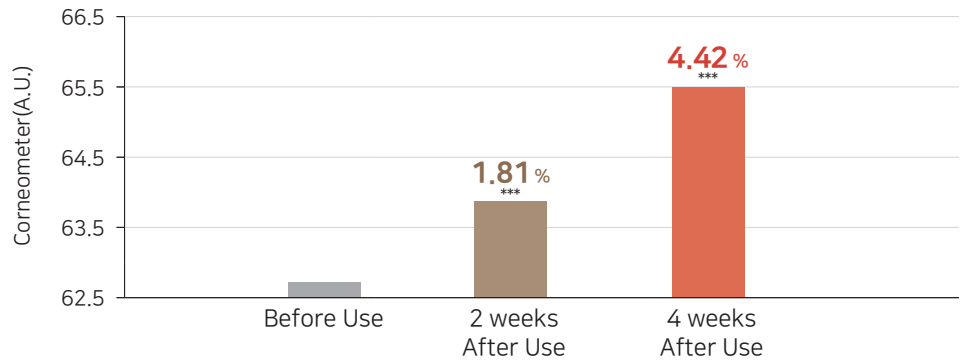
ReGENIN Booster
**Clinical trial
 results**

Primary Skin Irritation Safety Evaluation



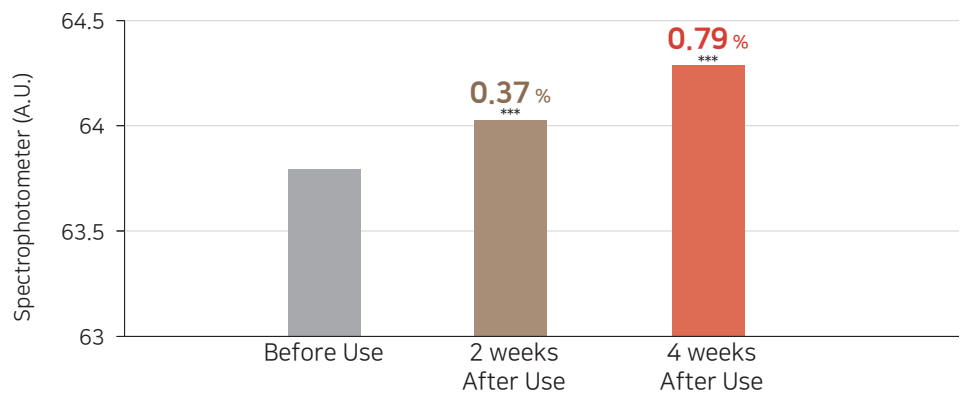
Skin Patch Safety In Vivo Testing Result (Source: Clinical Research Support Center, Semyung University, 30 Persons)

**Skin Moisturization Improvement
 Efficacy Evaluation**



Skin Moisturization Improvement In Vivo Testing Result
 (Source: Clinical Research Support Center, Semyung University, 20 Persons, ***p<0.001)

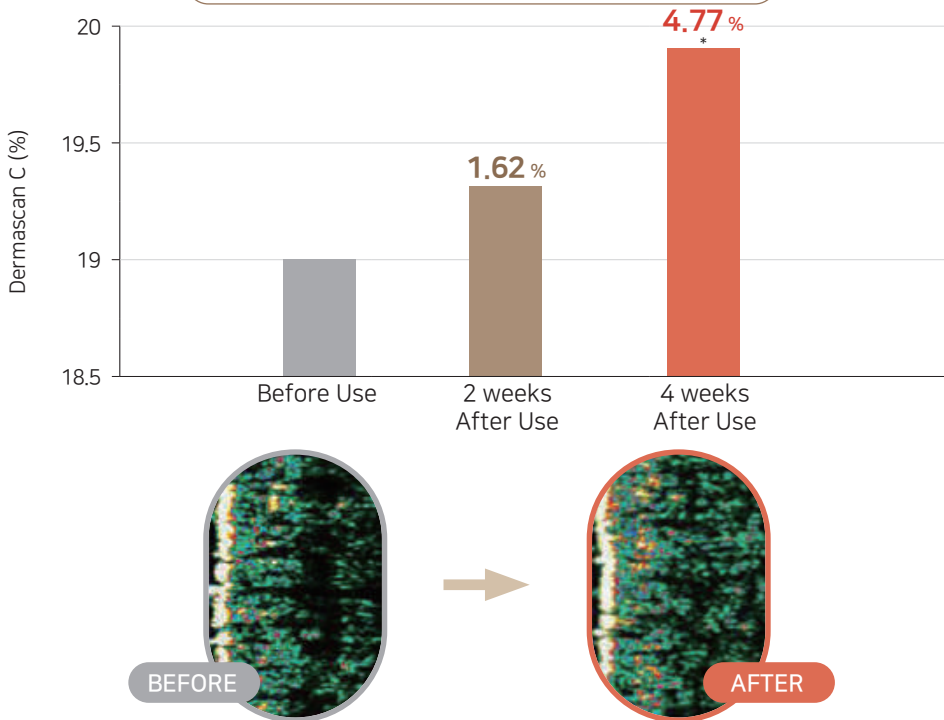
**Skin Brightness Improvement
 Efficacy Evaluation**



Skin Brightness Improvement In Vivo Testing Result
 (Source: Clinical Research Support Center, Semyung University, 20 Persons, ***p<0.001)

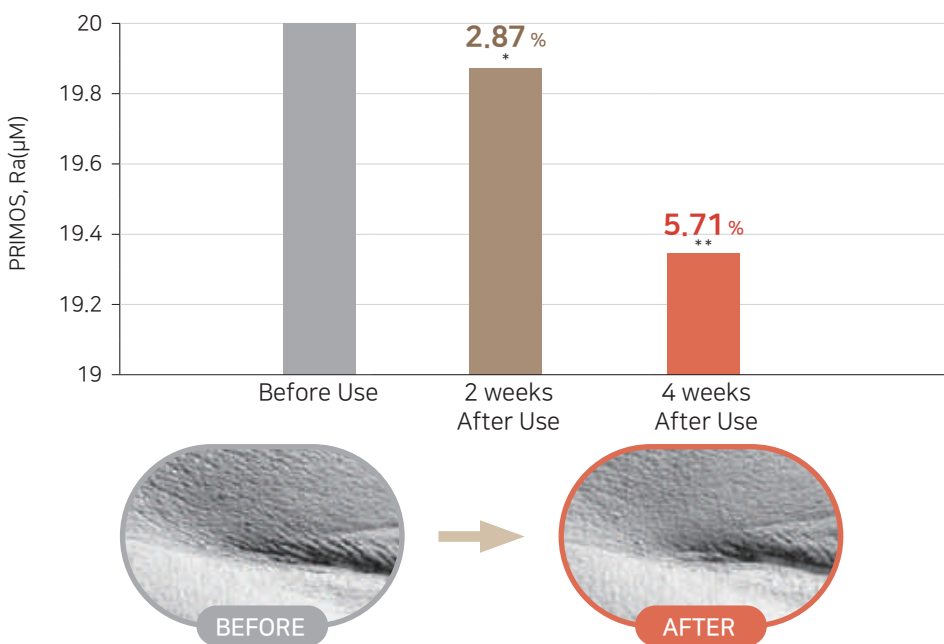
ReGENIN Booster
**Clinical
 trial results**

**Skin Dermal Density Improvement
 Efficacy Evaluation**



Skin Dermal Density Improvement In Vivo Testing Result
 (Source: Clinical Research Support Center, Semyung University, 20 Persons, *p<0.05)

**Wrinkles Around the Eyes
 Improvement Efficacy Evaluation**



Wrinkles Around the Eyes Improvement In Vivo Testing Result
 (Source: Clinical Research Support Center, Semyung University, 20 Persons, *p<0.05, **p<0.01)

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