

식물유래추출물 & 엑소좀

Plant Callus Extract & Exosome

Ginseng



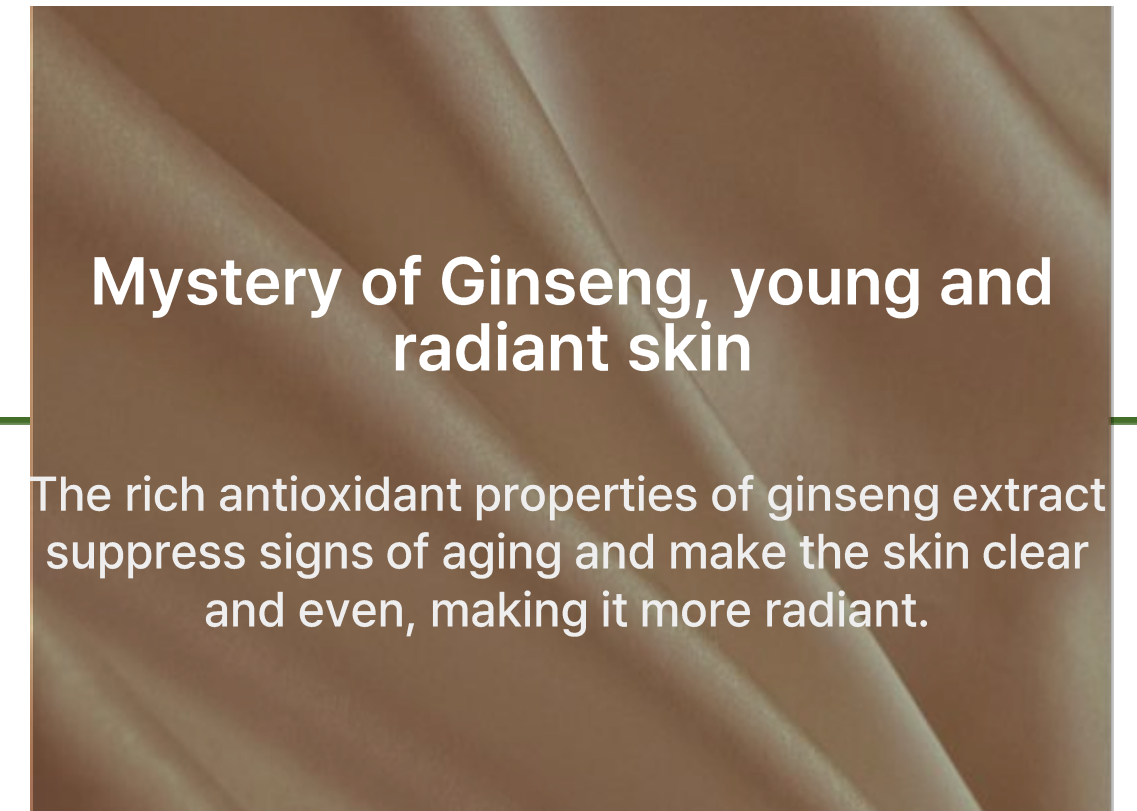
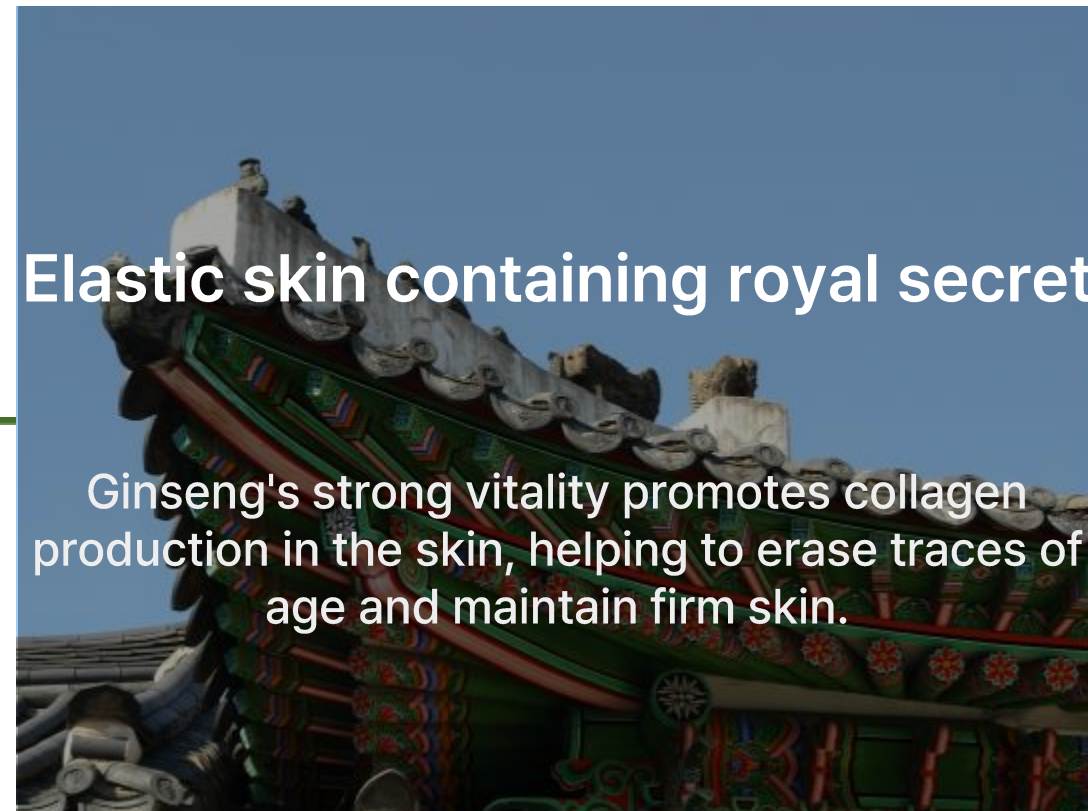
Restore skin health with "Ginseng", a thousand-year-old mystery

- It increases skin elasticity and helps improve wrinkles.
- It soothes skin irritation and helps care for sensitive skin.
- It protects the skin from environmental damage due to its antioxidant properties.
- It helps improve skin tone and prevent aging.

- Scientific name : Panax ginseng
- Export information : Available for export to China and Japan
- Package Size : 1kg

KEY POINT

#Improvement of skin elasticity #Skin soothing #Skin protection #Improvement of skin tone



Restore skin health with "Ginseng", a thousand-year-old mystery

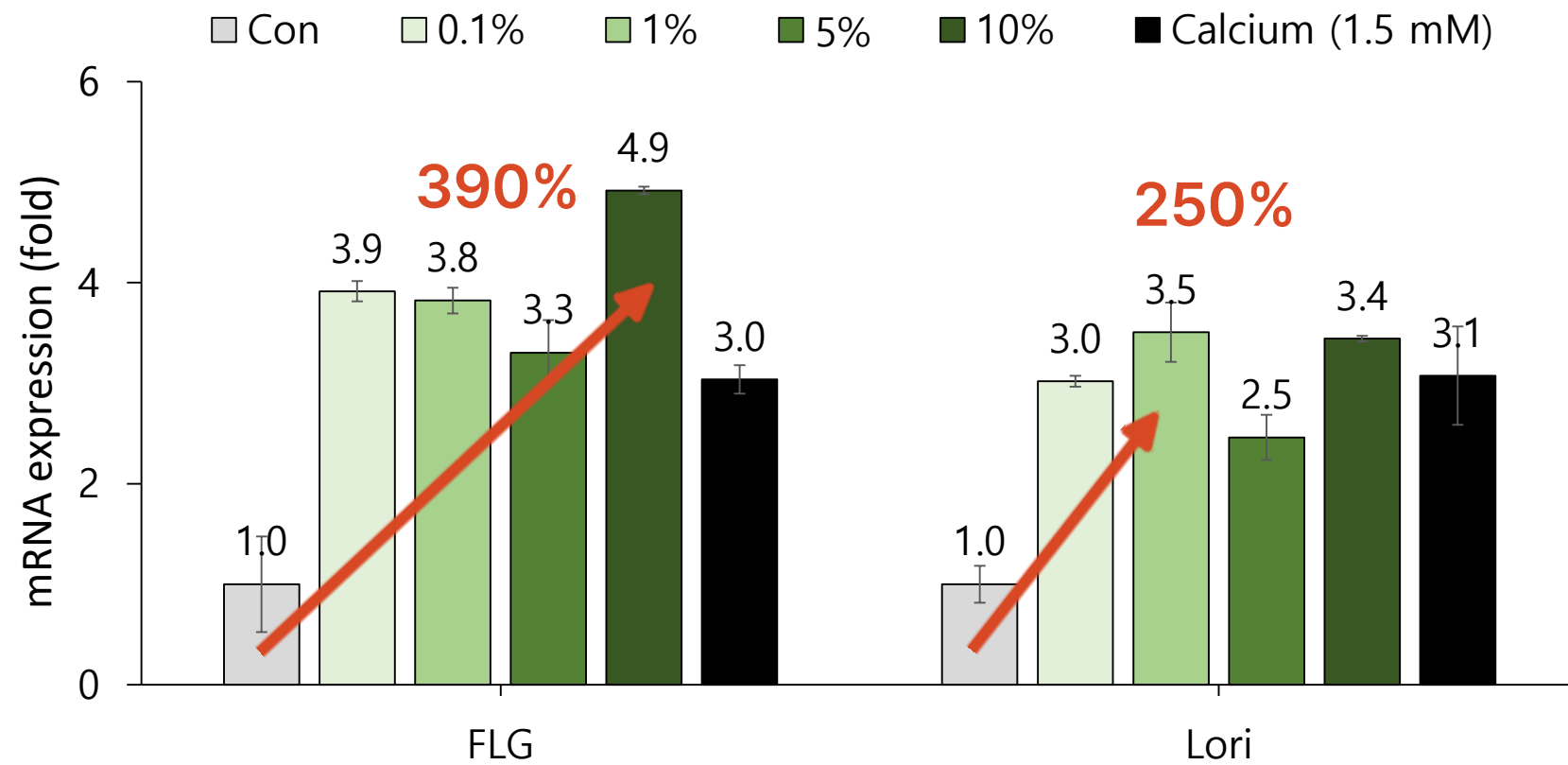
INCI : Panax Ginseng Root Extract

Cellular efficacy of Ginseng extract

- Skin barrier reinforcement, Anti-inflammation, Moisturizing, Whitening -

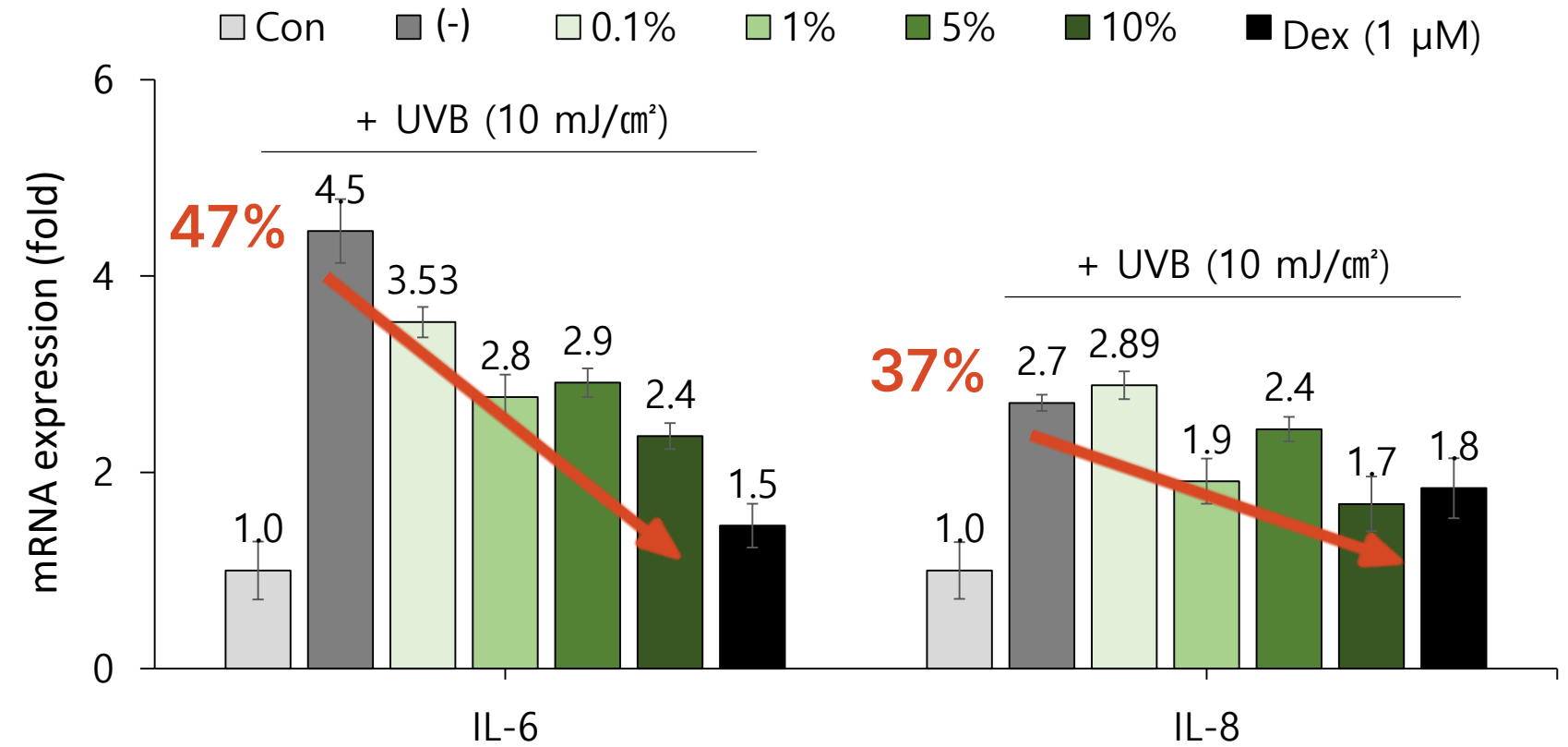
■ Skin barrier reinforcement

Ginseng extract increases the expression of skin barrier genes (FLG, Lori) by up to 390%, protecting the skin and preventing moisture loss.



■ Anti-inflammation

Ginseng extract soothes the skin by reducing the expression of inflammatory genes (IL-6, IL-8) by up to 47%.



Restore skin health with "Ginseng", a thousand-year-old mystery

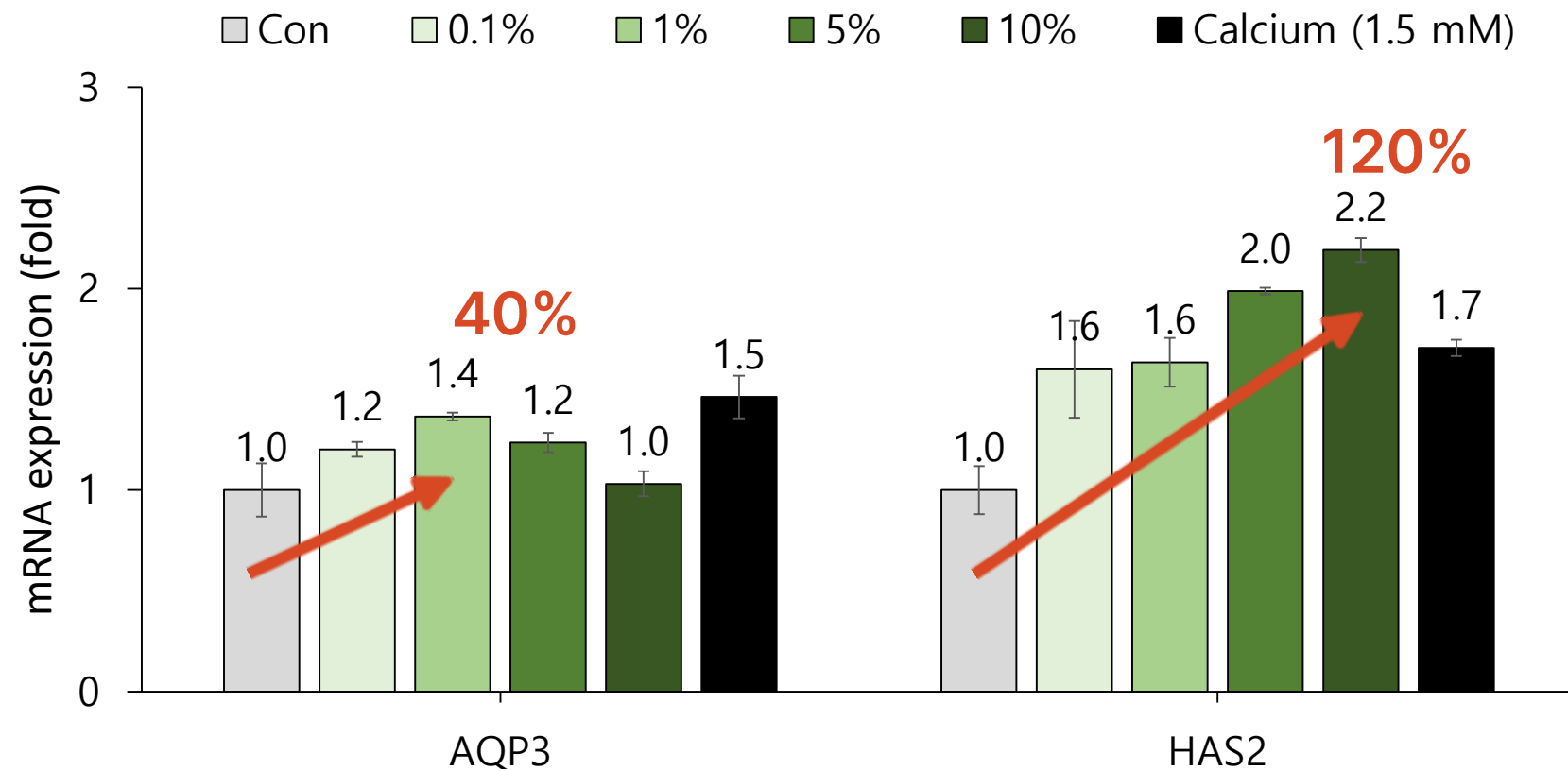
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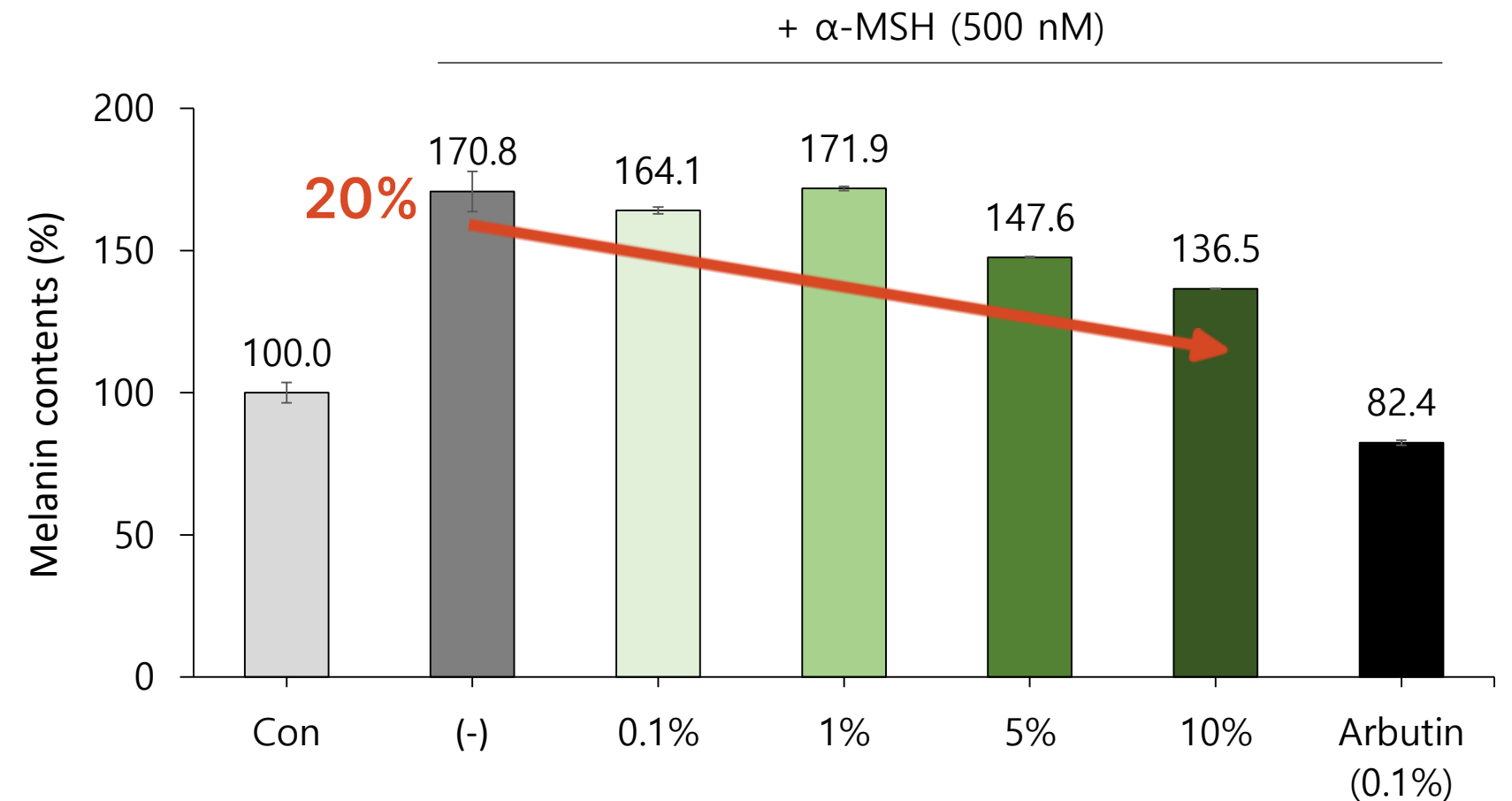
Moisturizing

Ginseng extract increases the expression of genes (AQP3, HAS-2) involved in skin moisturizing by up to 120%, helping to absorb moisture from the outside of cells into the inside or preserve existing moisture.



Whitening

Ginseng extract reduces the synthesis of melanin, the main cause of pigmentation, by 20%, making the skin bright and clean.

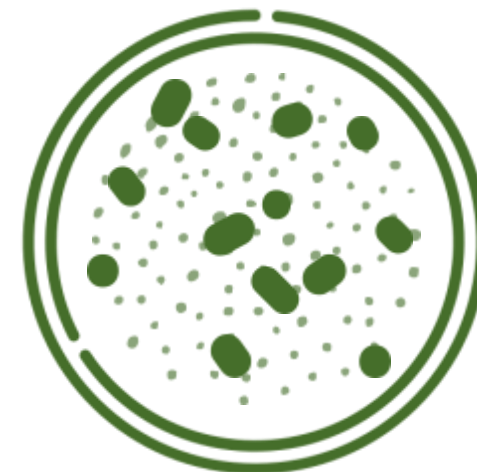


DASAN C&Tech's upgraded natural origin and skin-friendly technology

"Plant-derived Exosome"

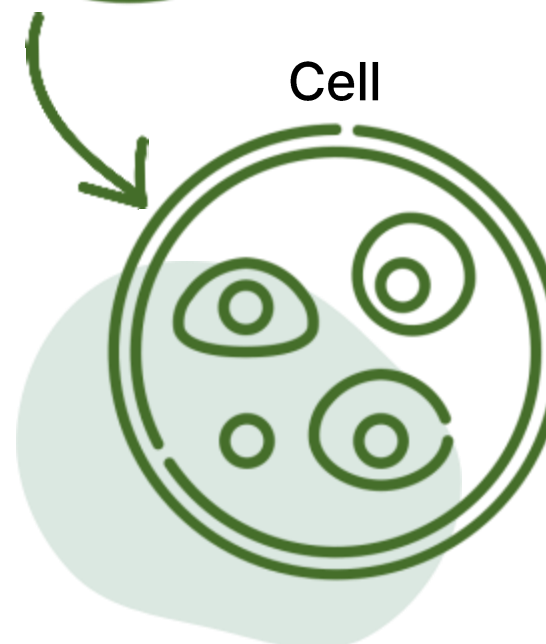
Reasons for using plant-derived exosomes

Plant-derived exosome



■ Raw materials with intact nutritional content

Unlike existing plant extracts that are extracted by applying heat, exosomes are made by processing the raw material as is, so the various nutrients are preserved without being destroyed and work on the skin.



Cell

■ Increased absorption as a skin-friendly raw materials

Unlike traditional raw materials that struggle to pass through cell membranes and act on them, exosomes have a phospholipid bilayer structure similar to cell membranes, enhancing their penetration and absorption capabilities.

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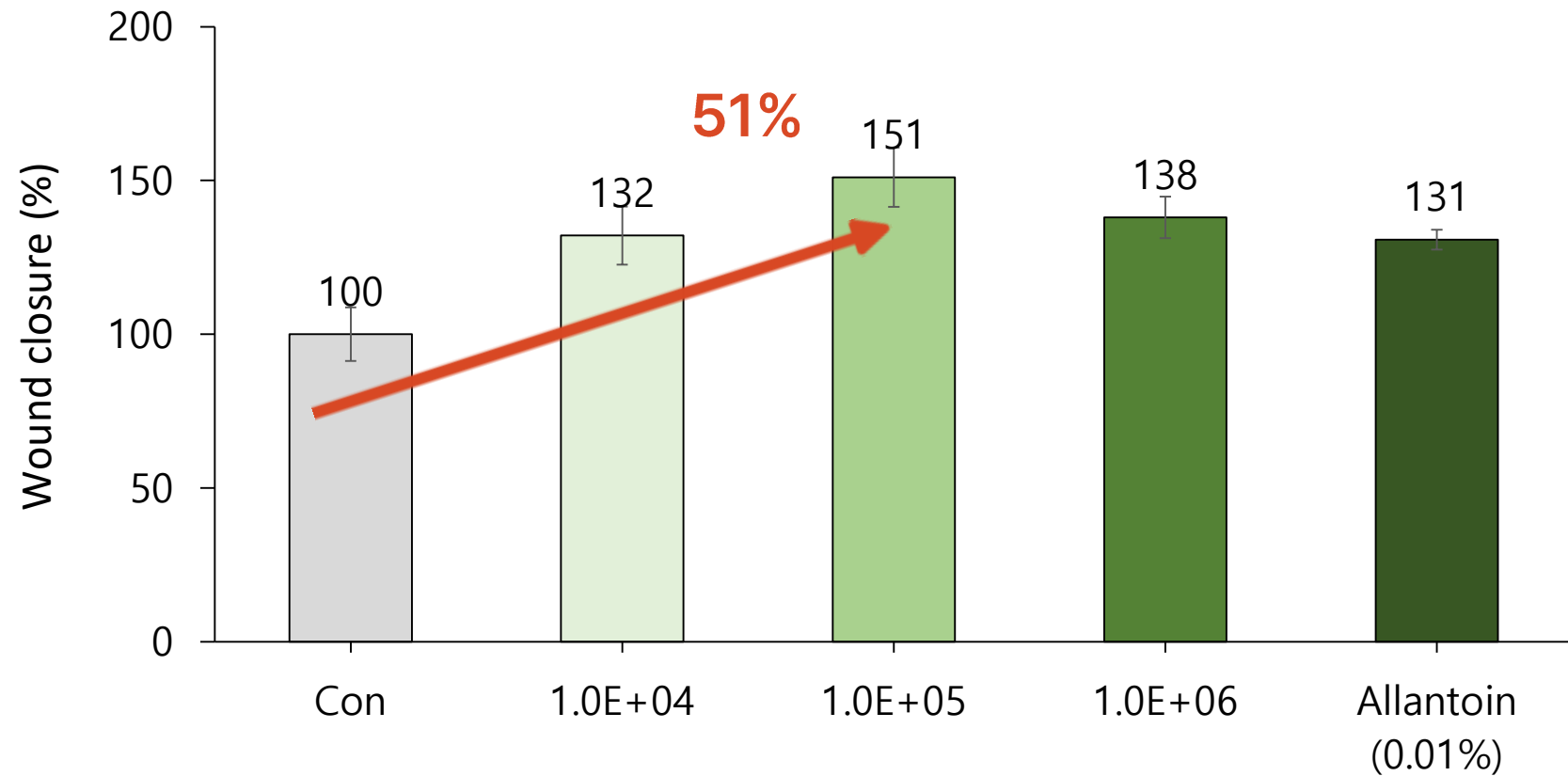
INCI : Panax Ginseng Adventitious Root Extracellular Vesicles

Cellular efficacy of Ginseng Exosome

- Cell regeneration, Skin barrier reinforcement, Anti-inflammation, Hair loss prevention -

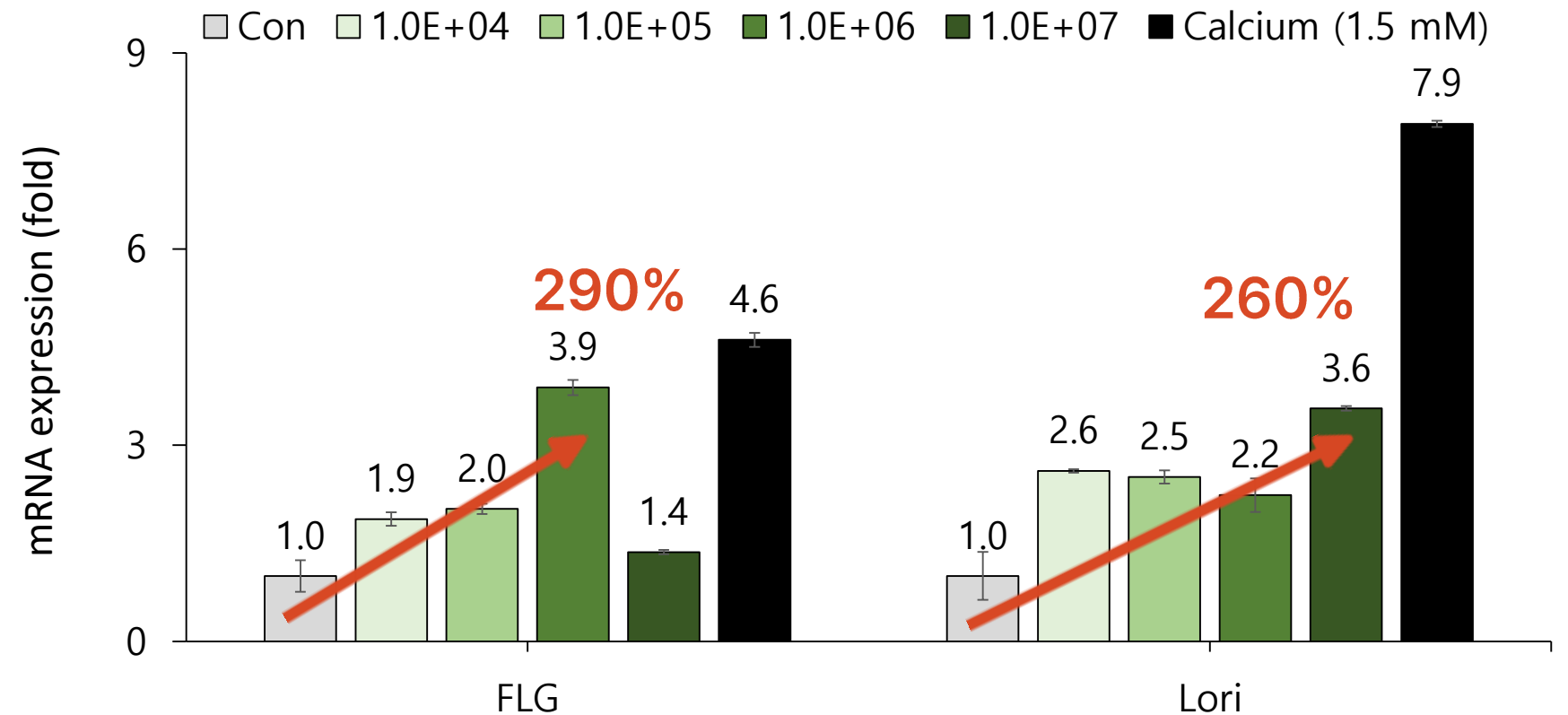
Cell regeneration

As a result of treating wounded cells with ginseng exosomes, wound recovery increased by 51%.



Skin barrier reinforcement

Ginseng exosomes increase the expression of skin barrier genes (FLG, Lori) by up to 290%, protecting the skin and preventing moisture loss.



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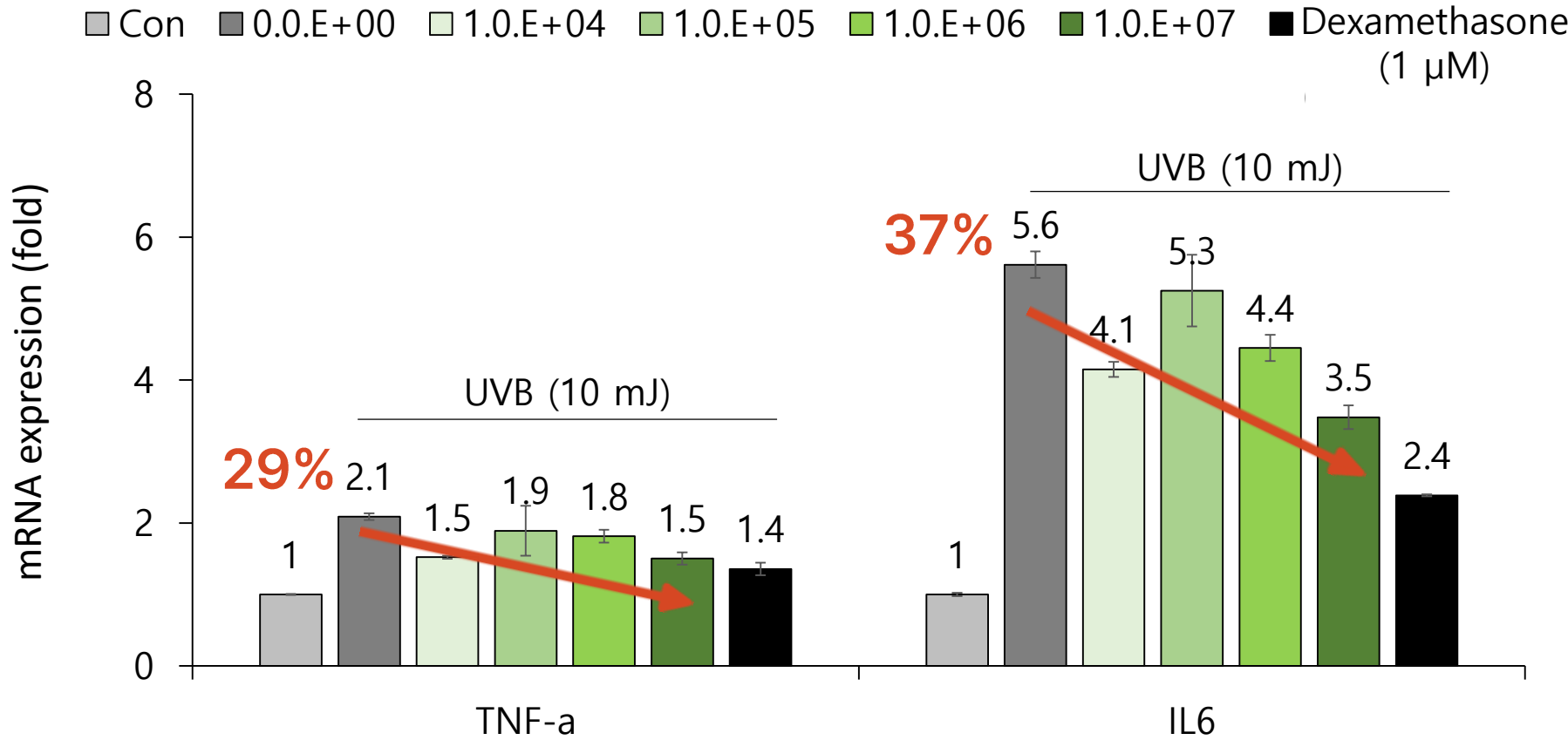
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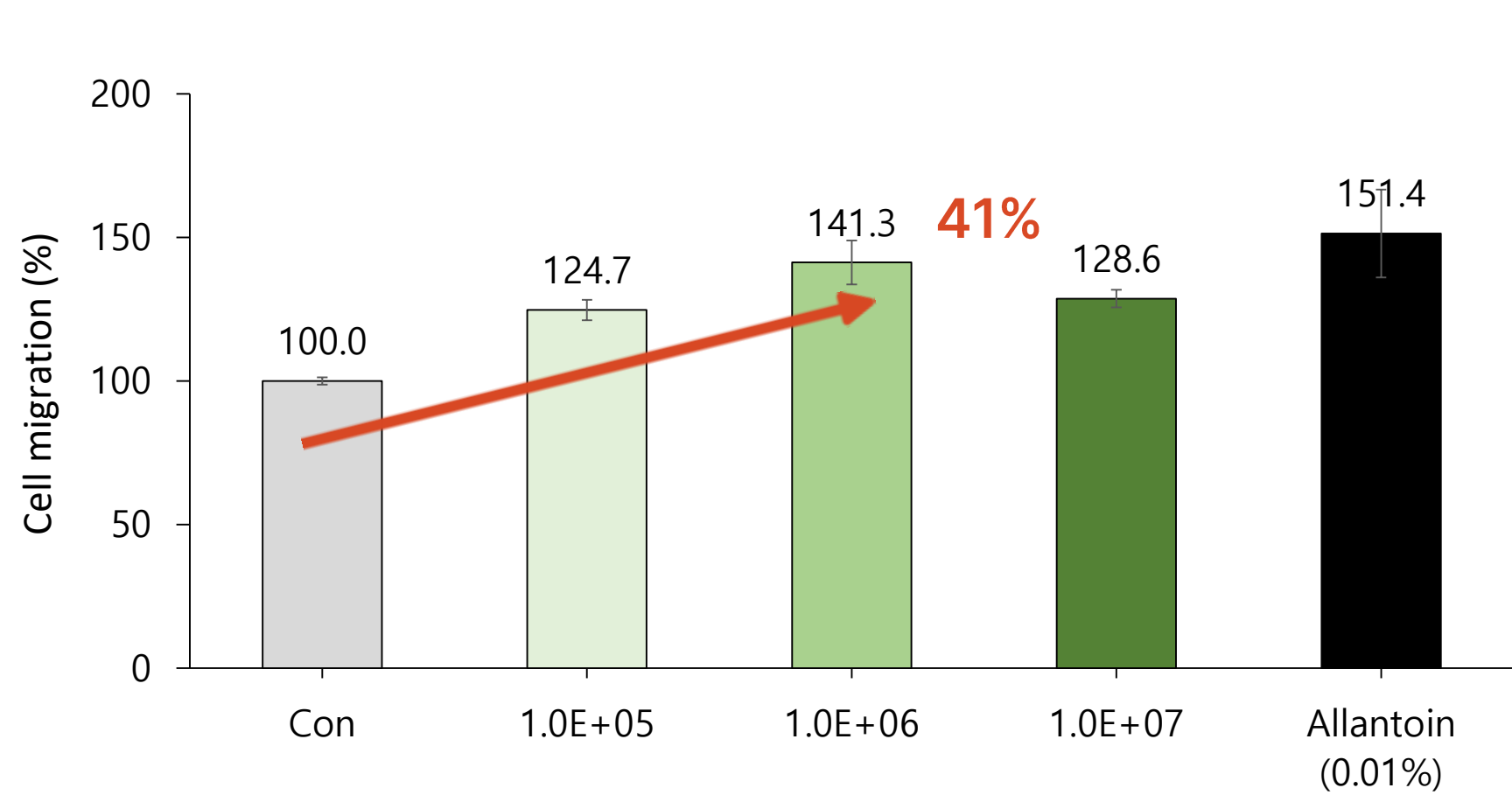
■ Anti-inflammation

Ginseng exosomes soothe the skin by reducing the expression of inflammatory genes (TNF-α, IL-6) by up to 37%.



■ Protection of hair dermal papilla cells

Ginseng exosomes reduce hair loss-causing factors on the scalp by 41% and protect the scalp and hair.



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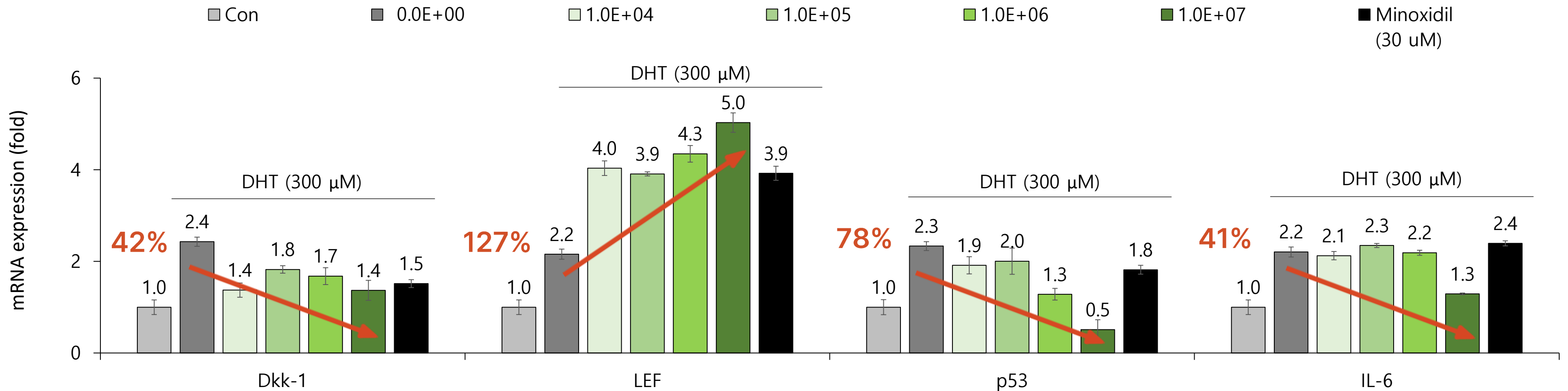
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Cellular efficacy of Ginseng Exosome

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■ Hair Loss prevention

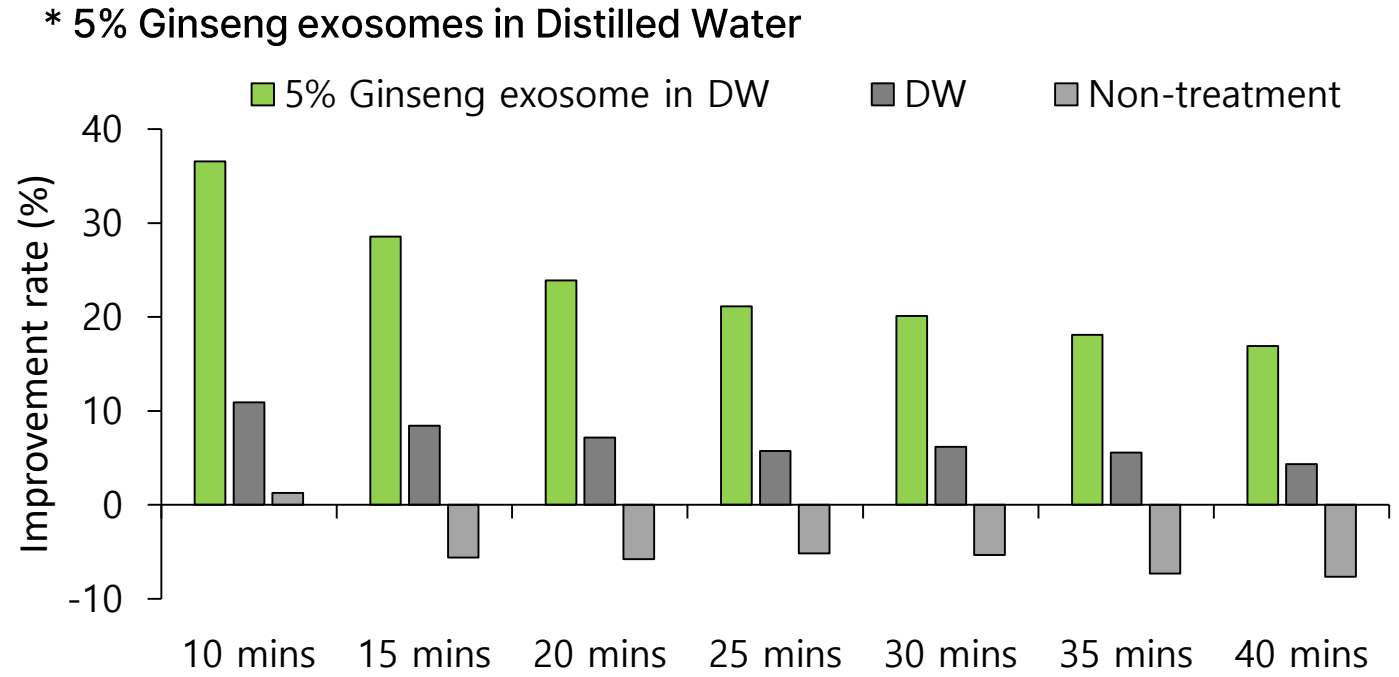
Ginseng exosomes decrease the gene expression of inflammatory response in hair (Dkk-1, p53, IL-6) by up to 78% and increase the gene expression of hair loss prevention (LEF) by up to 127%. protecting hair and scalp health.



DASAN C&Tech's upgraded natural origin and skin-friendly technology

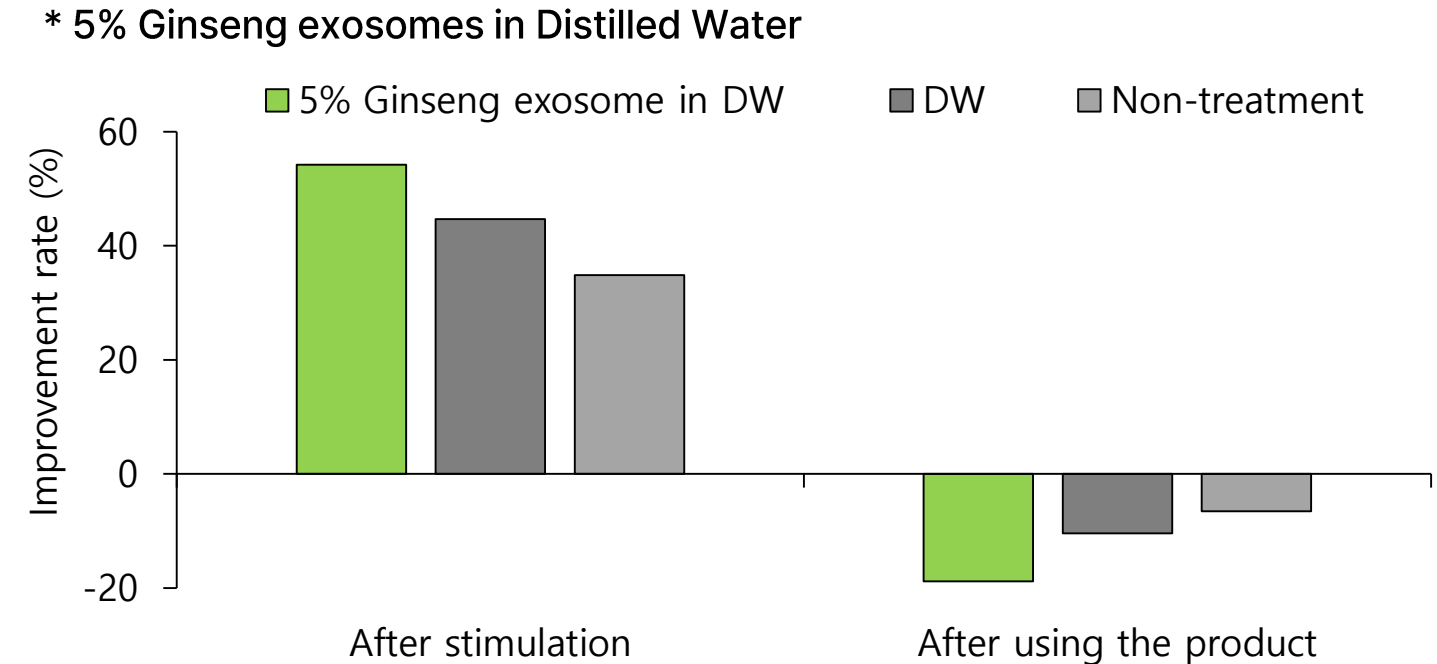
"Ginseng Exosome"

Improved skin hydration after a single use



After applying distilled water, skin hydration temporarily increases at 10 minutes, but the effect is small and quickly declines. In contrast, applying 5% Ginseng exosomes increases hydration more significantly at 10 minutes, and maintains a higher hydration level than the initial state over time.

Improvement in redness after single use

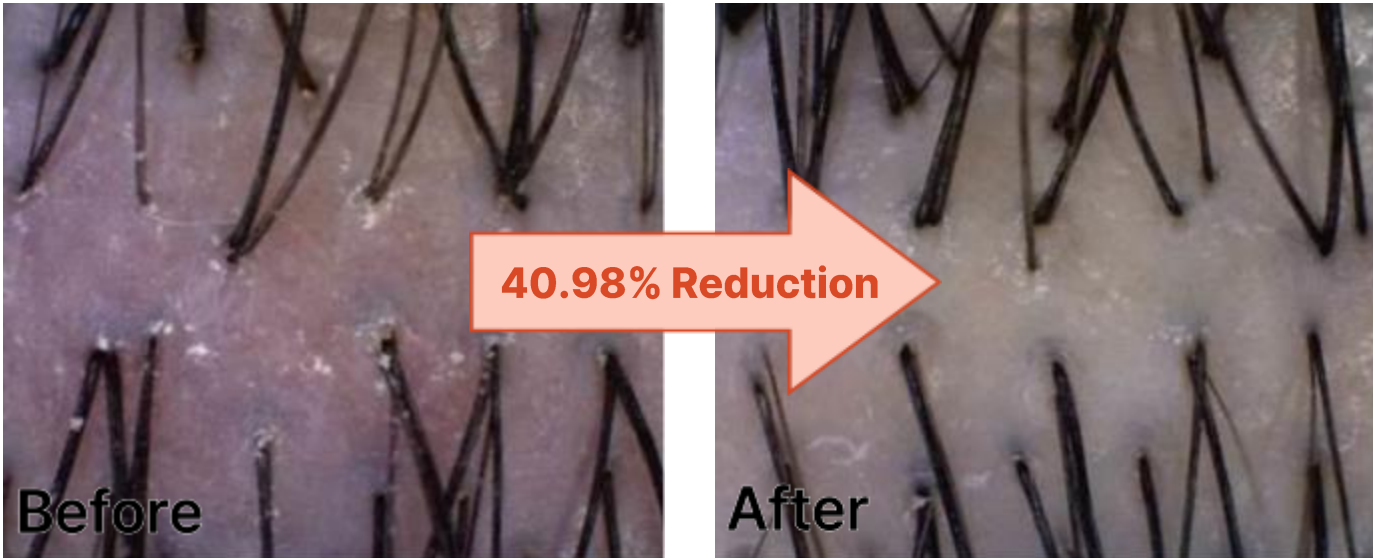


After applying distilled water, skin redness is temporarily reduced, but the reduction is small. In contrast, applying 5% Ginseng exosomes significantly reduces skin redness.

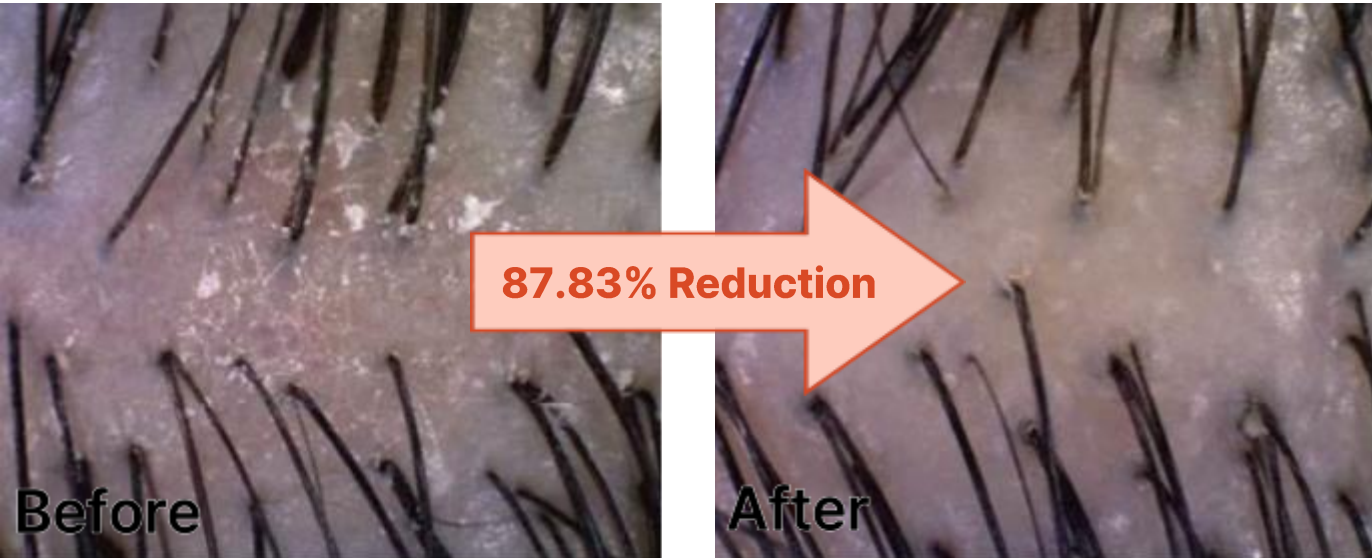
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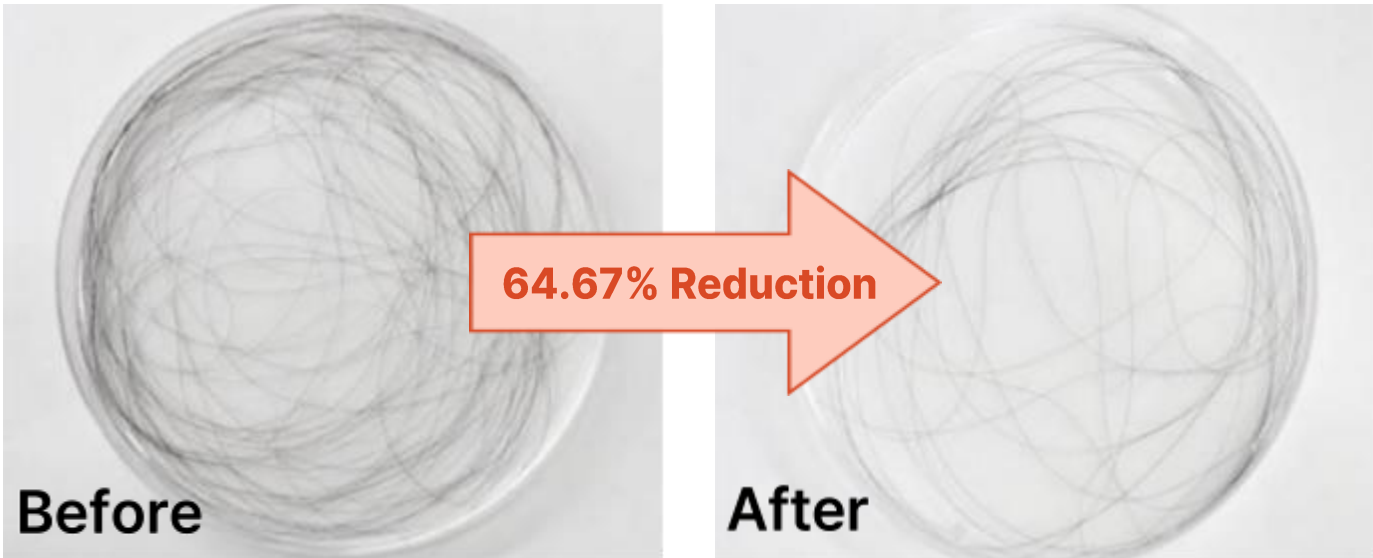
Evaluation of Scalp Anti-redness efficacy



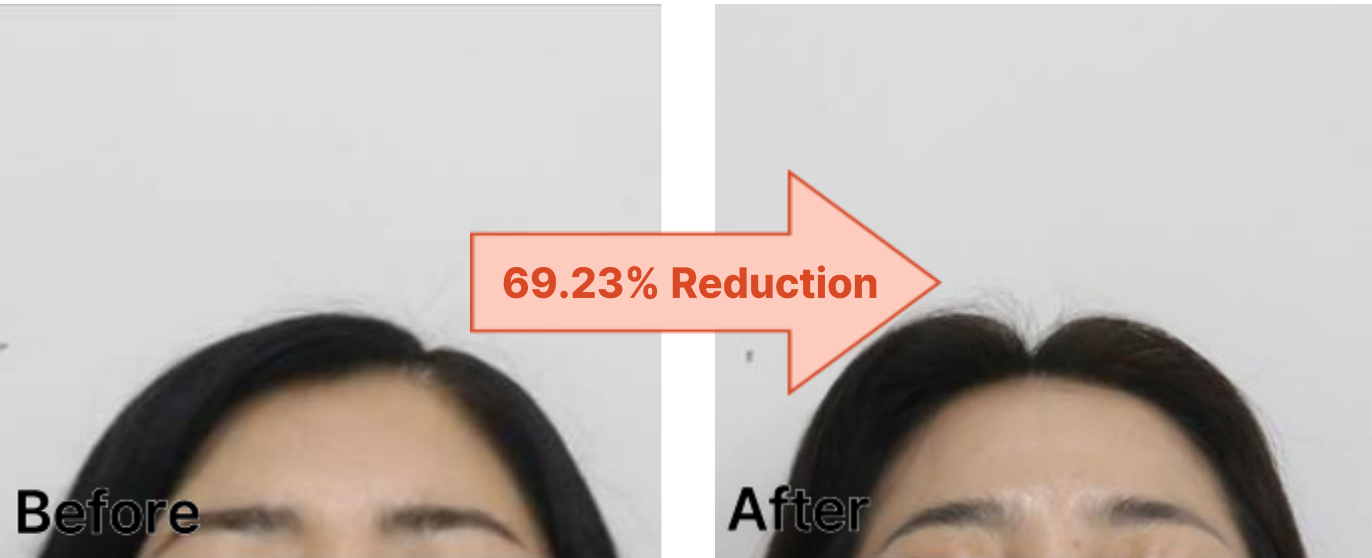
Evaluation of scalp Dead skin cell reduction efficacy



Evaluation of Anti-hair shedding efficacy



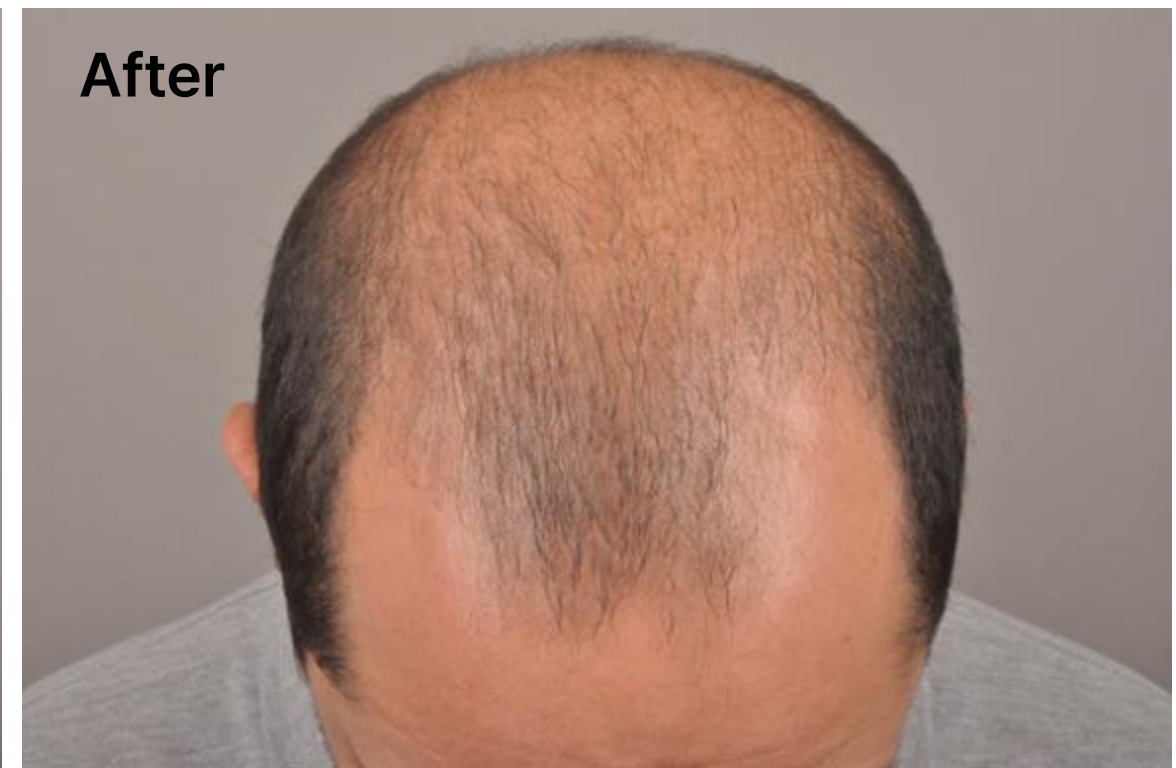
Evaluation of Hair volumizing efficacy



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Long-term Application Tests and Photos of the Affected Test Area



- Test Subject: 20 subjects with androgenetic alopecia
- Test Period: 2023.08.11~2023.11.26
- Test Result: Awarded Dermatest 5 Star Certification



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CONTACT US

