



Health & Beauty for YOU

**BECOME THE BEST
VERSION
OF
YOURSELF**





BIO PLACENTA
RENEWAL CREAM



OUR STORY

After extensive research and thorough testing from natural and pure ingredients that scientists found in the plant and herbal ecosystem, we understand the wonderful benefits of these effective ingredients, with the ability to regenerate the new skin cell and provide healing to the one that is damaged.

Dedicated to this product, our skin care experts with years of research experience extract and combine the right natural ingredients using the most advanced and scientific technologies in the United States.

Through formulating, rigorous testing, manufacturing with sterile process, and trial, HBU Bio-Skin care set is finally here. Our passion and purpose are to revitalize, rejuvenate and preserve the beauty of your skin.

Commonly known effects of dermatological efficacy of the placenta are **Anti-aging & Skin rejuvenation**



Fetus

Fetus obtains all the nutrients and GF made by placenta. GF will stimulate the expansion of cells in the body system.

0~3 years old
Infants produce nutritional values and GF on their own.



10~13 years old
GF production decreases in body and growth rate starts to slow down.



More than 18 years old
GF production and the growth process decreases rapidly. Minimal amount is produced for metabolism.



GF decrease and absent of cell replacement leads to aging.

Aging is caused by loss of Growth Factors(GF)

Manufacturing Process of Growth factors

Advantages

EGF DNA sequence

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3' CAA TTG TCG CTG AGG CTT ACG GGC GAC TCG GTA CTG CCG

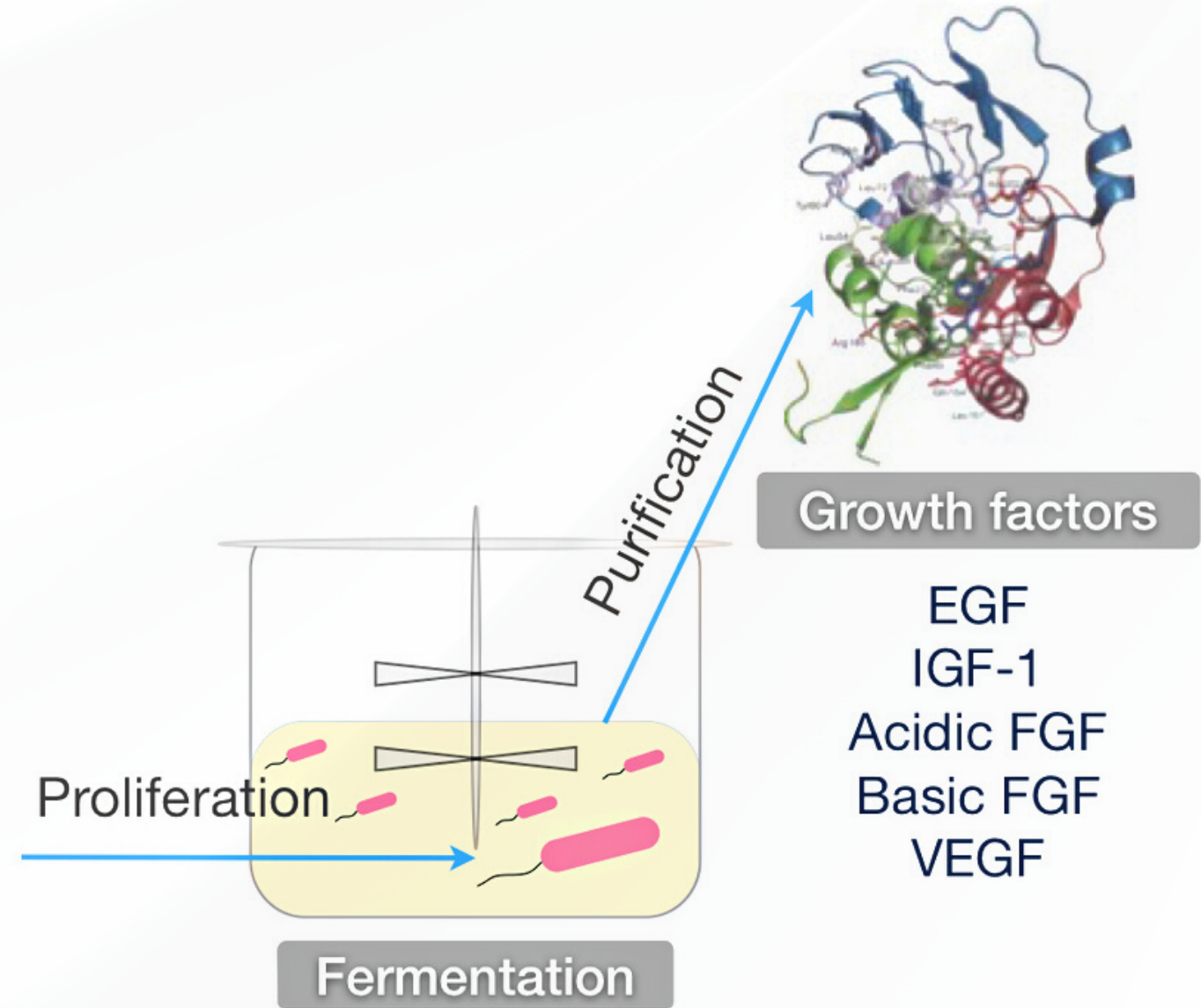
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CTG GAC AAA TAC GCG TGC AAC TGT GTT GTT GGC TAC ATC
GAC CTG TTT ATG GCG ACG TTG ACA CAA CAA CCG ATG TAG

GGC GAG CGC TGT CAG TAC CGT GAC CTT AAG TGG TGG GAA
CCG CTC GCG ACA GTC ATG GCA CTG GAA TTC ACC ACC CTT

CTG CGC TGATAACCTGCA 3'
GAC GCG ACTATTGG 5'
    
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Synthesis of gene by PCR



Components are safely originated from microbial fermentation

Bio-placenta is like human placenta but features synthesized growth factors (GF) that have a synergic effect on your skin.

BIO PLACENTA RENEWAL CREAM stimulates skin cell growth, scientifically formulated with a full range of growth factors. It helps moisturize the skin, prevent premature-aging, stimulate collagen synthesis, quickly heal damage by increasing the new cell turnover and regeneration, increase elasticity, rejuvenate, and give you healthy, firm, and glow-looking skin. In addition, growth factors aid in scar treatment due to its ability to stimulate the proliferation of epithelial cells. Furthermore, GF has the effect of inhibiting melanin formation, thereby brightening skin. GF gives anti-oxidation and supports the anti-aging effects.

Synergic Effect

Advantages

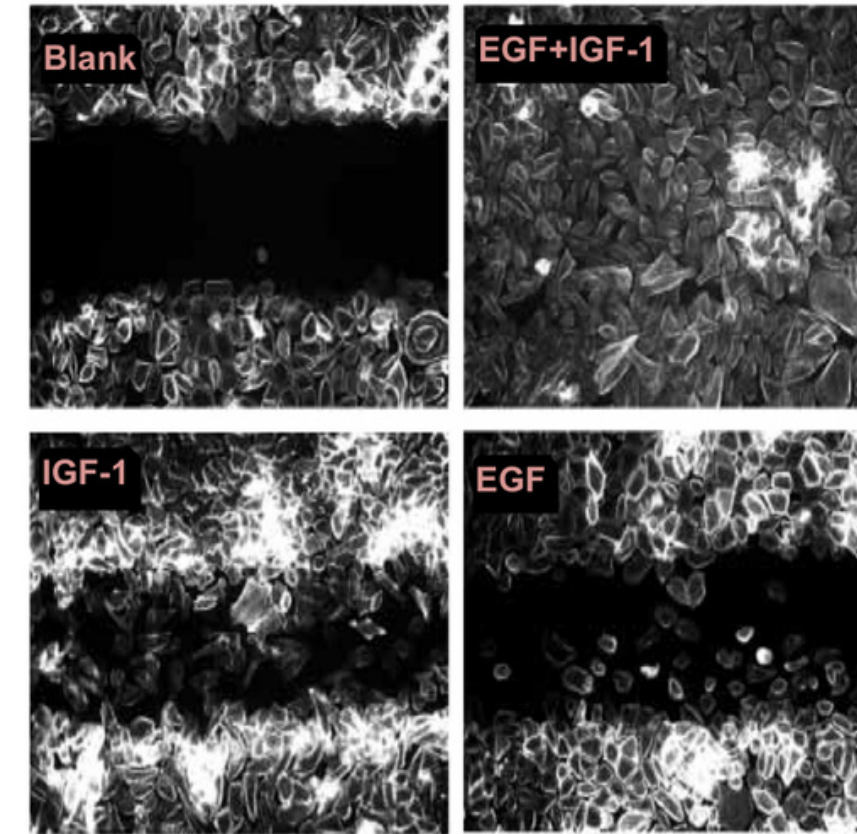
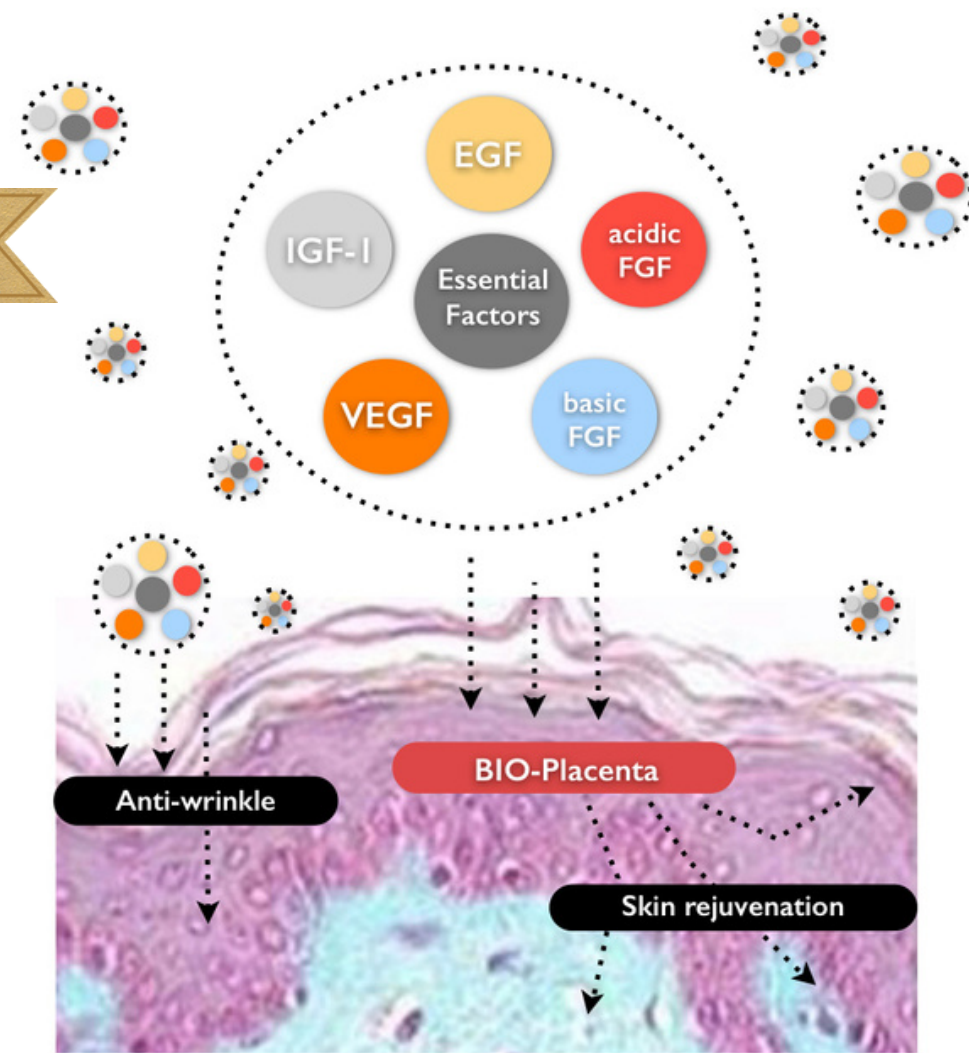


Fig. Effect of growth factor singling on wound epithelialization.

Ref; *Journal of Cell Science* 116, 3227-3248



Effect of growth factor singling on wound

Combination of 5 growth factors and essential factors make synergic effect on skin

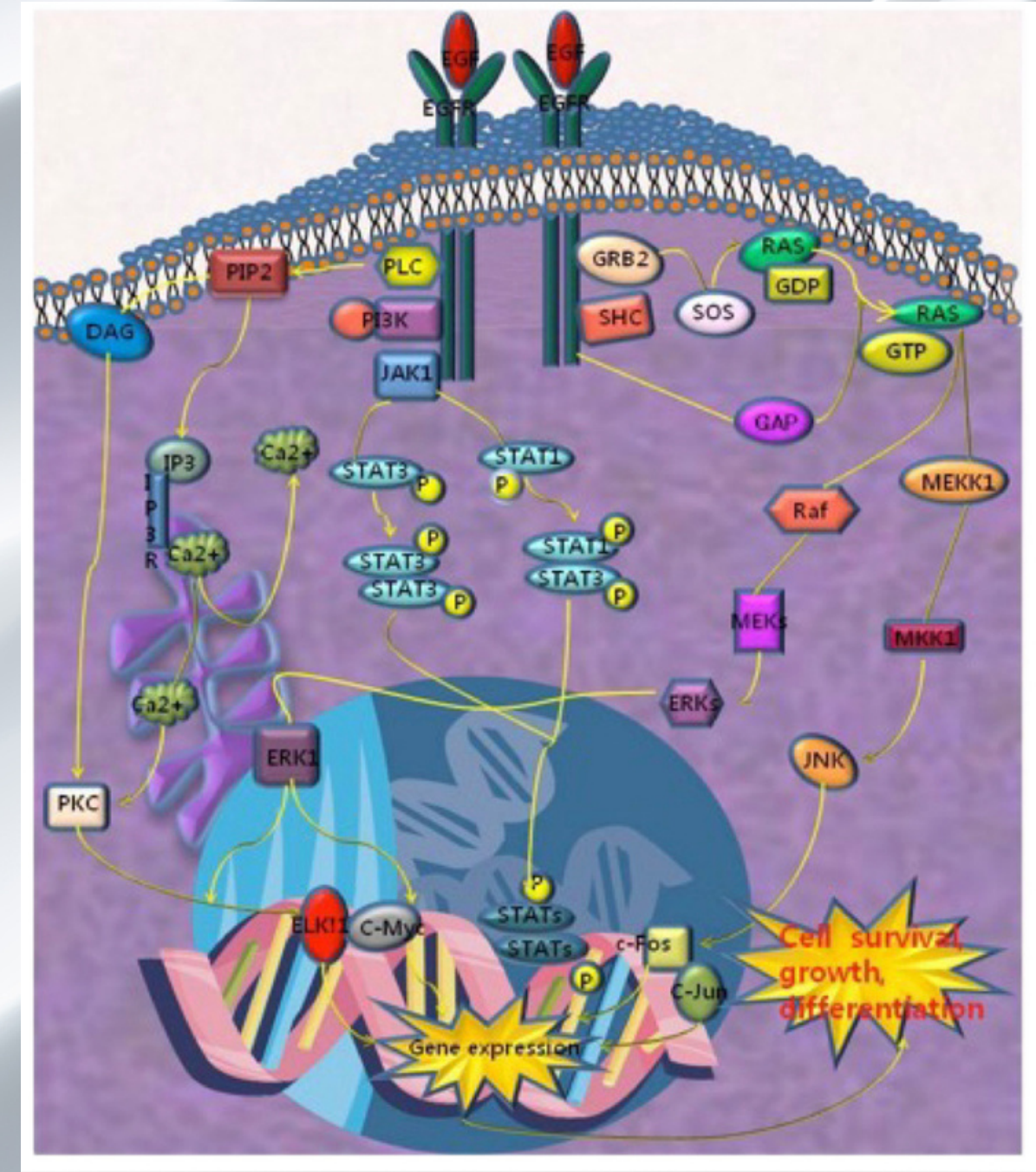


Ref; *Journal of Cell Science* 116, 3227-3248

Combination of 5 growth factors and essential factors make synergic effect on skin

EGF- Epidermal Growth Factor (Acidic FGF and Basic FGF)

1. Is a natural protein found in our skin cells. It helps to repair our skin by promoting DNA synthesis and cell proliferation.
2. Stimulates cell growth to heal skin damage quickly, thereby helping to heal and improve scars.
3. EGF stimulates the division of keratinocytes and fibroblasts, thereby synthesizing proteins that improve skin elasticity such as collagen and elastin, rejuvenating the skin.
4. Repairs skin by stimulating new skin cell growth, strengthen skin barrier, help skin retain moisture better.
5. EGF inhibits hyperpigmentation (melanin), reducing the risk of dark spot formation.



DUE TO IMPROVING THE HEALTH, STRENGTH, AND ELASTICITY OF THE SKIN LAYERS, THE USE OF EGF IN SKIN CARE REGIMEN HELP BEAUTIFY YOUR SKIN.

IGF-I- Insuline-like Growth Factor-I

1. Produced mainly from the liver in combination with HGF growth factor to promote wound and scar healing.

2. Reduce wrinkle.

3. Support lipolysis.

4. Promotes the formation of new epidermis, making skin healthy and glow

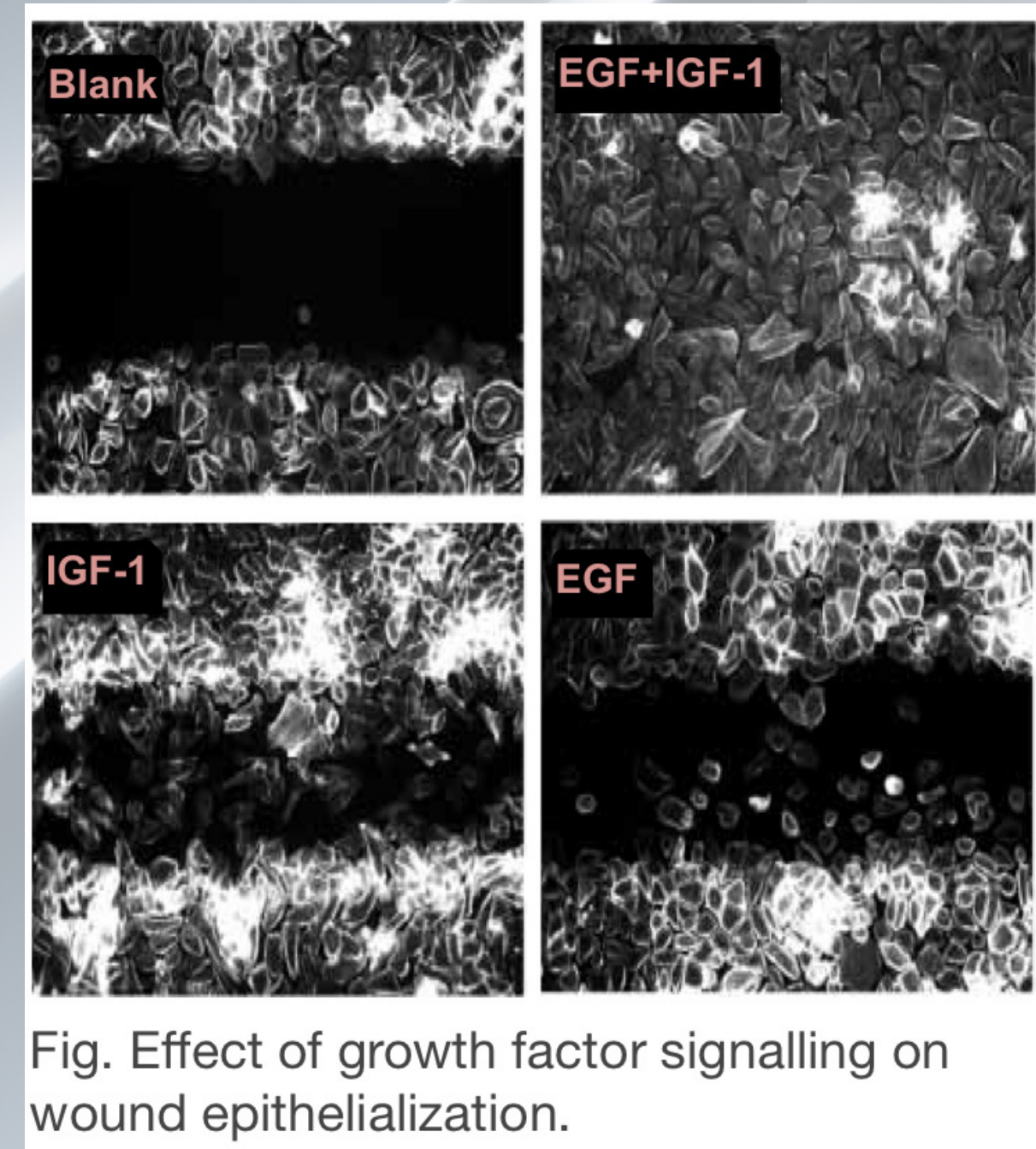
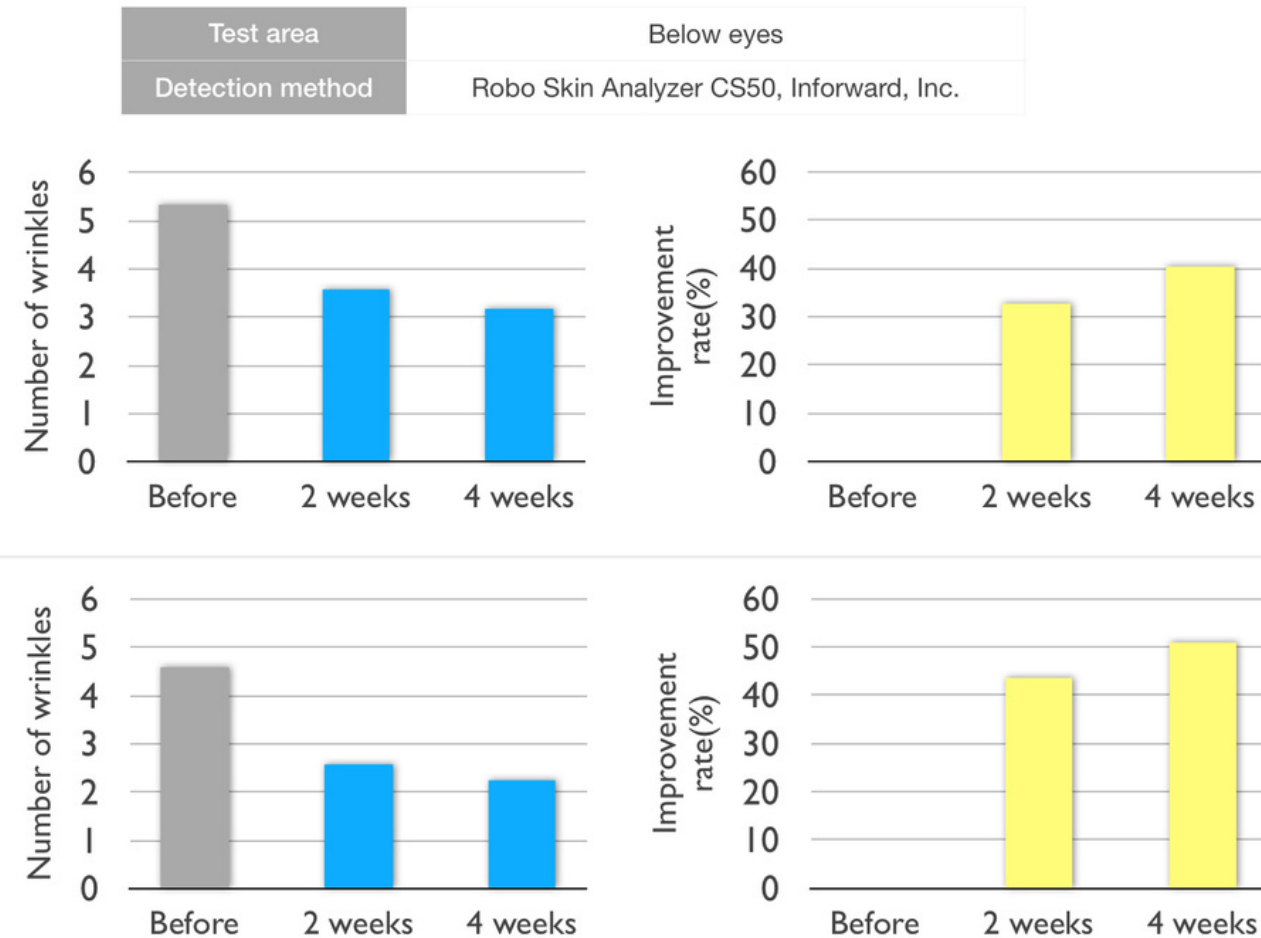


Fig. Effect of growth factor signalling on wound epithelialization.

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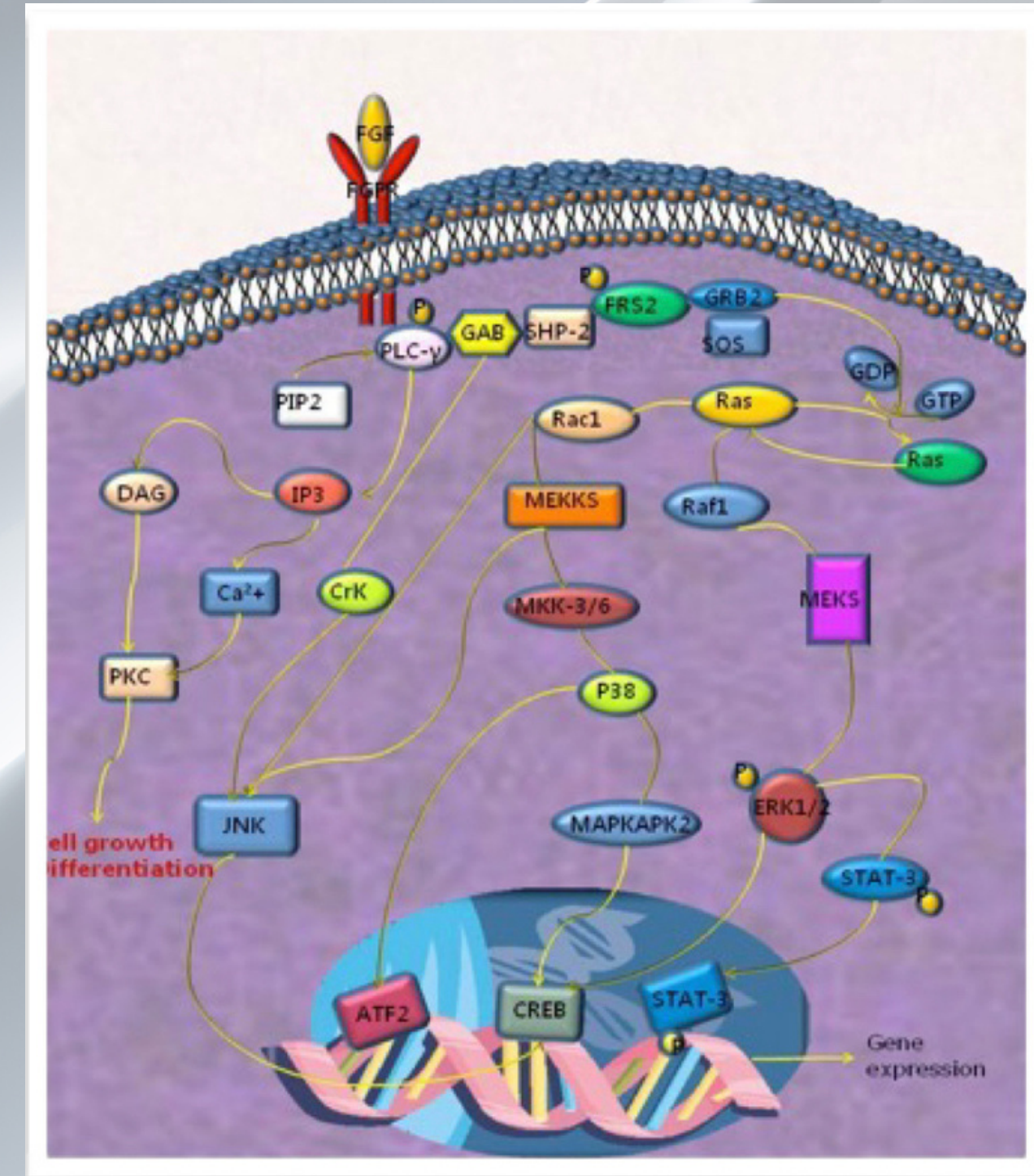
Anti-wrinkle



Reduces wrinkles by 38% in 2 weeks and 46% in 4 weeks on below eyes

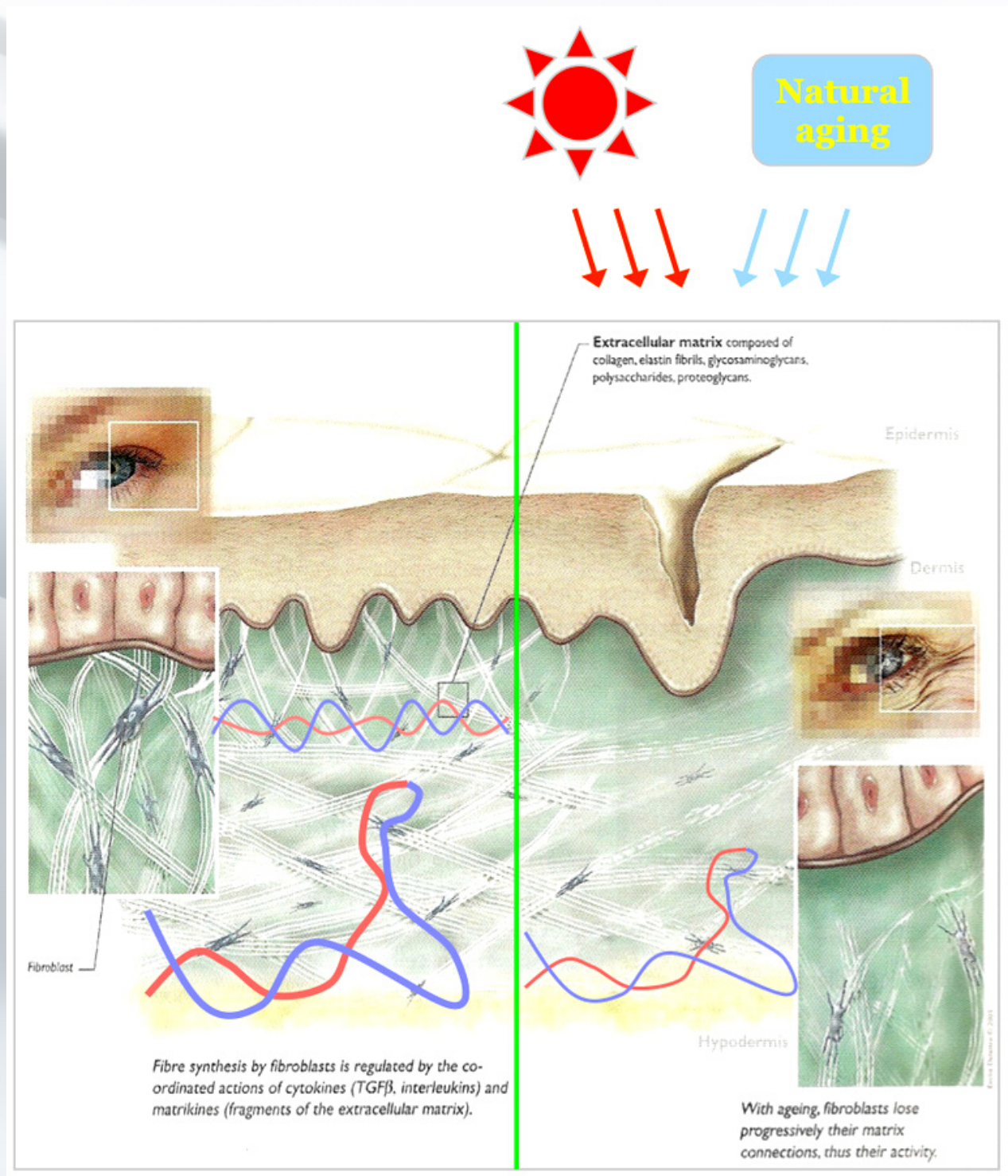
FGF - Fibroblast Growth Factor

1. FGF promotes blood vessel formation, creates a new capillary system, thereby providing nutrients to nourish skin cell and heal skin damage. It also nourishes the epidermis to regenerate and smooth out the skin surface.
2. FGF stimulates fibroblasts, enhances the synthesis of collagen and Fibronectin to help promote the growth and adhesion of skin cells, filling the skin structure to prevent pitted scar formation.
3. FGF promotes fibroblasts to synthesize collagen, elastin, produce Hyaluronic Acid to retain moisture and firm skin, maintain elasticity. It also reduces and prevents expression lines and wrinkles, 8 times more effective in restoring damaged skin.



VEGF - Vascular Endothelial Growth Factor

1. As a nutritional supplement to improve the overall health of your skin.
2. Reduce wrinkles and brighten skin.
3. Promote skin cell renewal and regenerate aging skin.
4. Help formation of capillary vessels.
5. Induction of nutrient supplements to fibroblast cells.
6. Growth and migration of cells.
7. Wound healing effect.



WHAT IT DOES

- Awakens your skin and stimulates the growth of new skin cells, regenerates skin elasticity, helps heal and restore your skin's layers, leaving your skin youthful and radiant.
- Provides your skin with the moisture it needs to recover and prevent premature aging.
- Promotes wound healing by using keratinocytes.
- Stimulates collagen production to reduce the appearance of fine lines, crow feet and wrinkles.
- Prevents the formation of melanin pigment on the skin.



OUR TECHNOLOGY

Bio Placenta Renewal Cream is a highly researched product, formulated exclusively by the leading dermatologists in the United States.

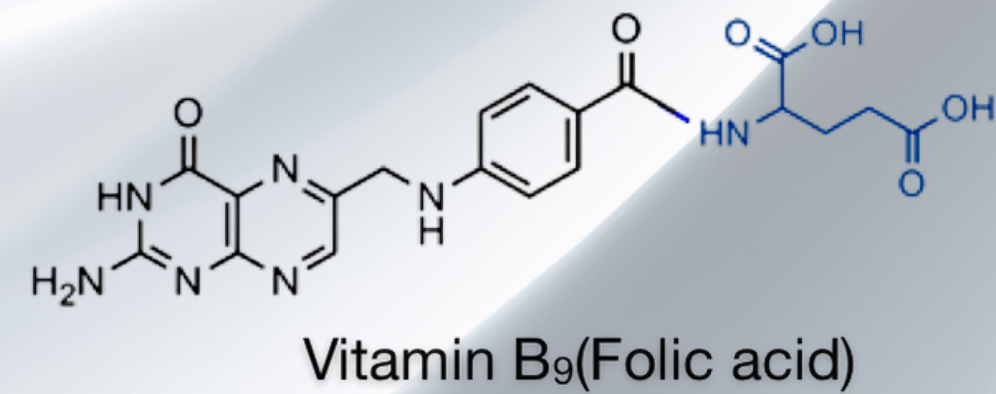
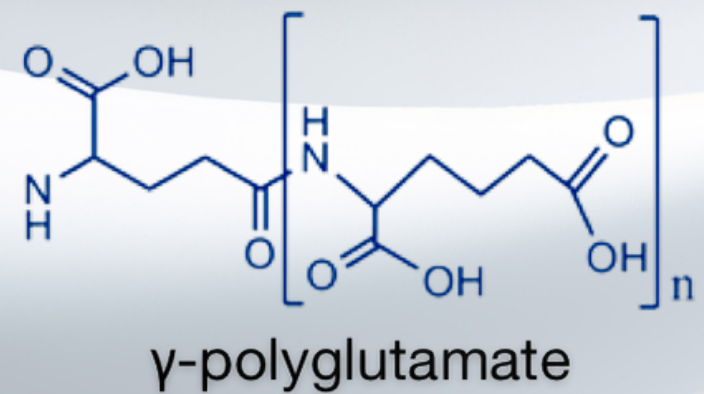
Products are manufactured with modern technology and sterile techniques. The manufacture process meets GMP standards and is strictly regulated by leading US certification agencies.

Bio Placenta is produced by biotechnology with high penetration ability to deep skin cells, working from the inside out to effectively nourish and regenerate skin layers.

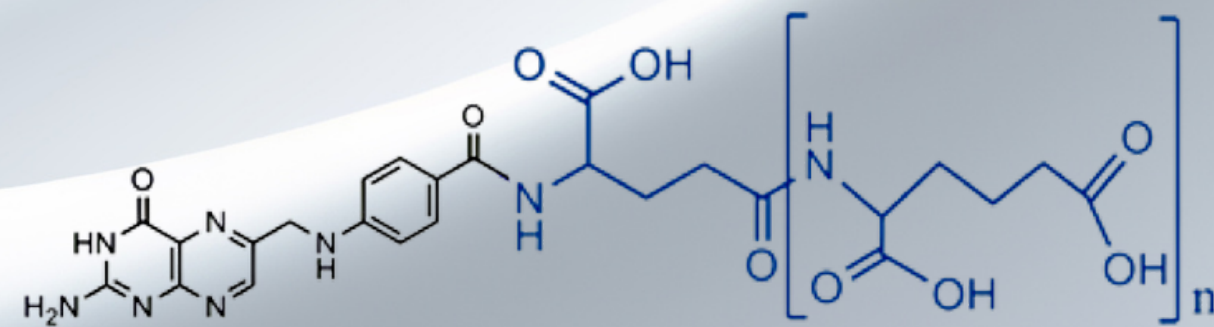
ACTIVE INGREDIENTS

Vitamin B9- Vitapol

Plays a role in tissue development and the metabolism of cells, produces collagen, helps fight the aging process, and prevents wrinkle formation. Helps restore elasticity and leaves your skin youthful and firm.



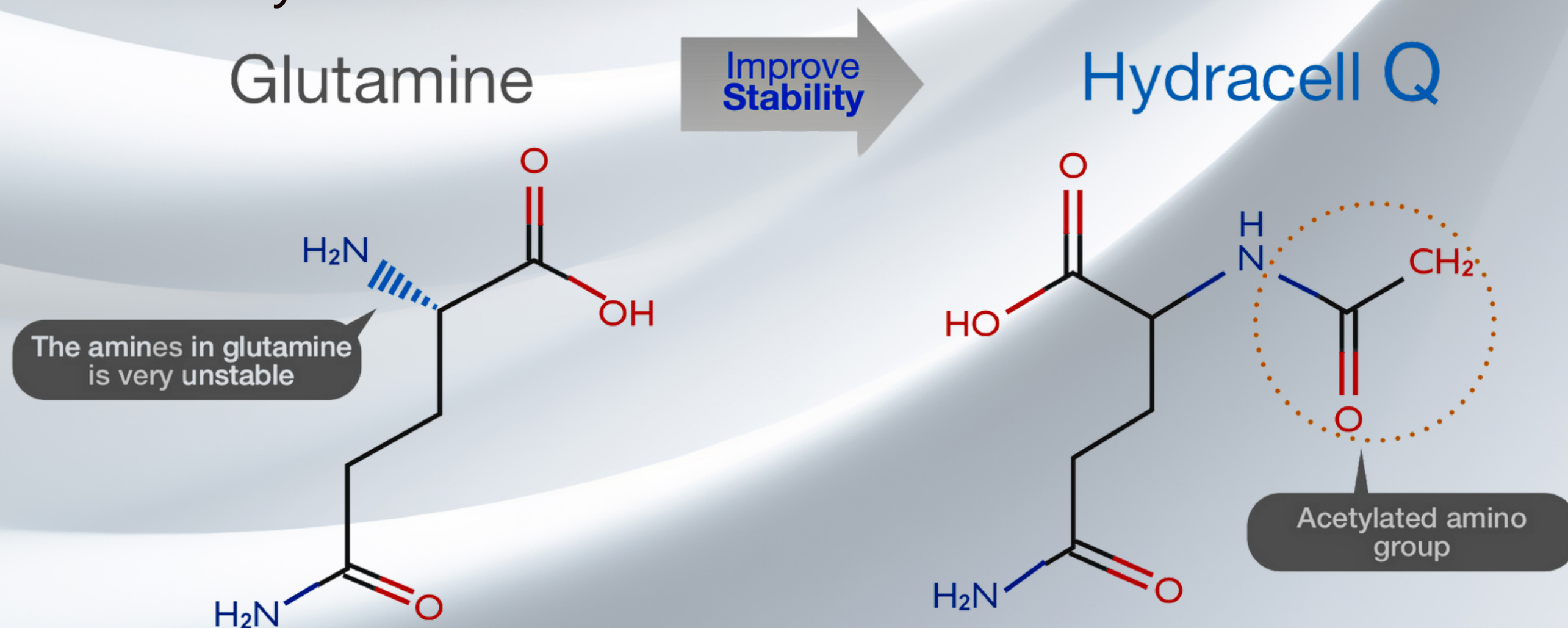
New fermentation technology based on Korean traditional fermentation



ACTIVE INGREDIENTS

Amino Acid Hydracell Q

Regenerate skin cells, replenish moisture and reduce oxidative stress of the skin cell. They are the key molecules on the skin surface to trap and lock in the needed moisture, thereby hydrate and smooth out your skin.



OTHER KEY INGREDIENTS

Jojoba seed oil



Contains abundant vitamin E content, with the ability to control sweat glands. Regulates the amount of oil excretion on the skin, anti-aging, and moisturizing the skin. Inhibits excessive shedding of epidermal cells.

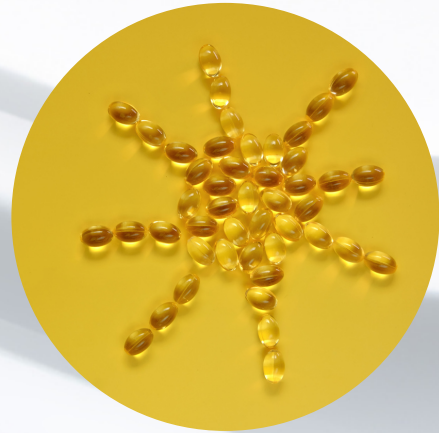
Sweet Almond Oil

Rich in vitamins A and B, can nourish the skin, make the skin soft, retain water, create a moisture balance for the skin. It also helps cream absorb quickly and deep into the skin cell, therefore, the pores will not be clogged.



OTHER KEY INGREDIENTS

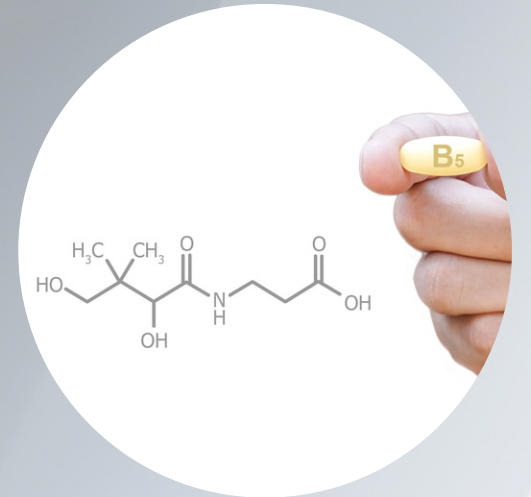
Vitamin A



Supports the skin's immune system to maintain moisture balance and accelerates skin rejuvenation. A powerful antioxidant that can prevent skin from sun damage. Helps prevent pre-mature aging skin.

Vitamin B5

Is a natural moisturizer, making the skin soft. It stimulates growth and nourishes your skin layers. It strengthens the skin barrier and increase the ability to hydrate your skin effectively. It has anti-inflammatory and quick healing effects.



Vitamin E

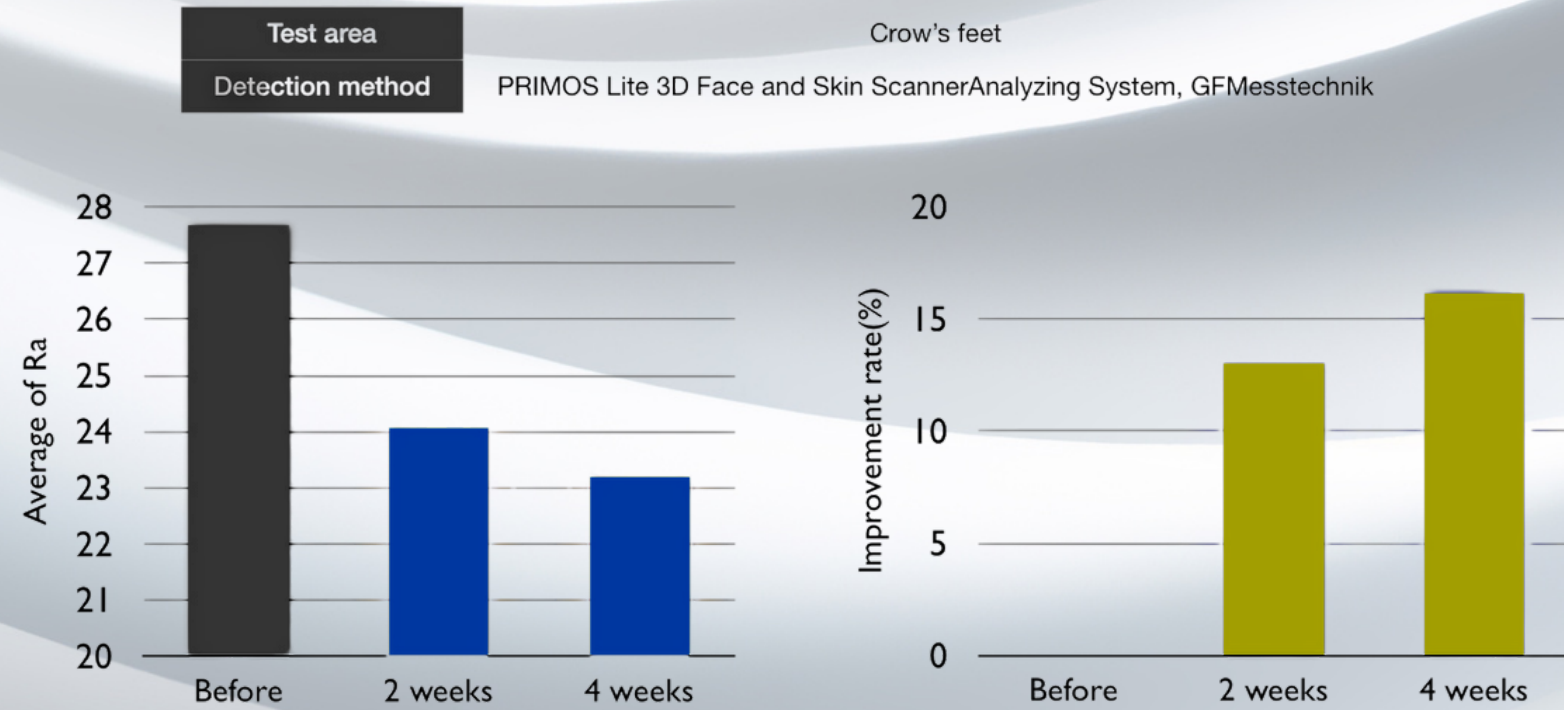


Protects your skin against UV radiation and is one of the most popular anti-aging ingredients. It strengthens your skin and keeps it healthy, glowing and smooth.

OUR RESEARCH

In vivo assay

Anti-wrinkle

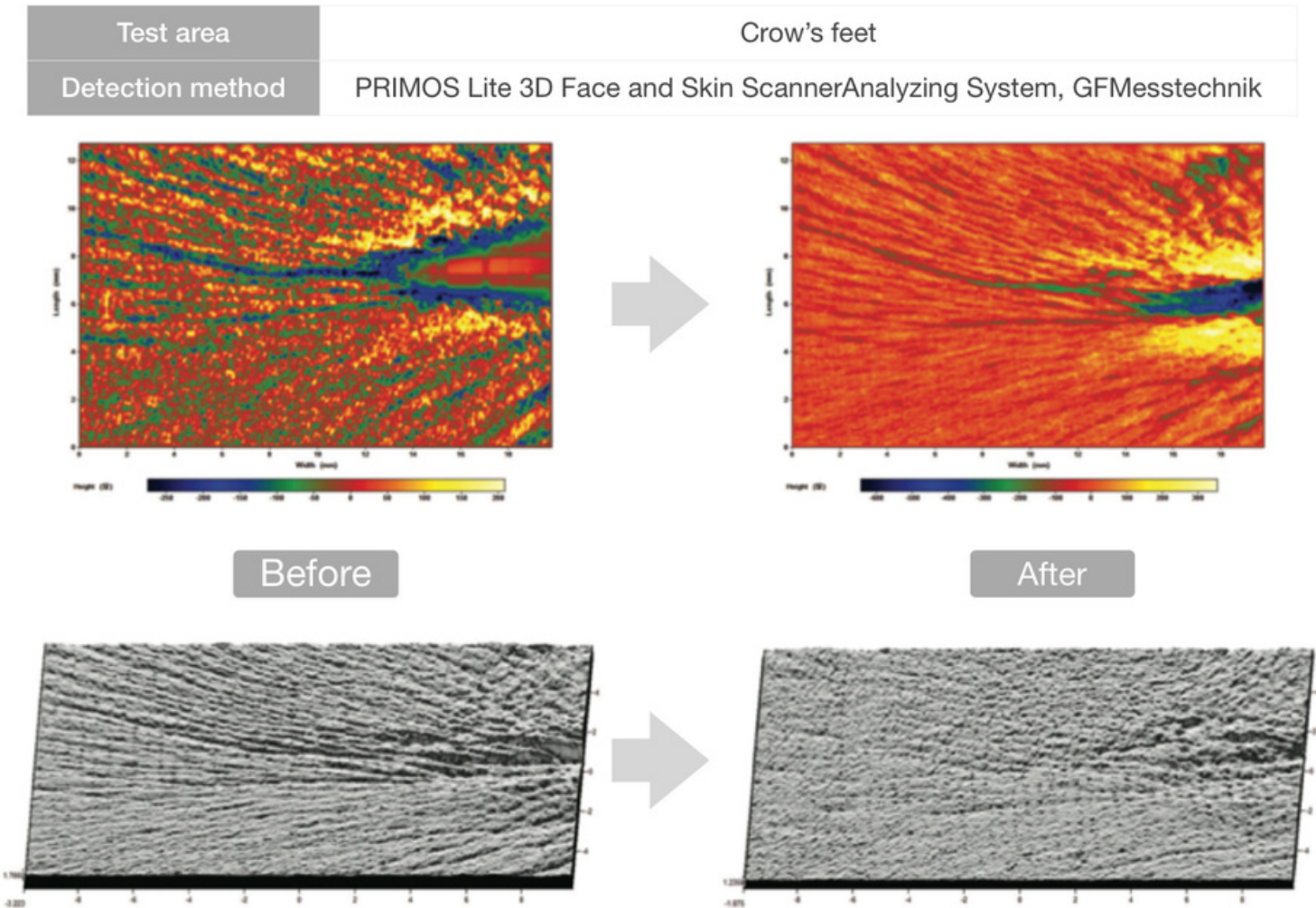


Ra : Average of all heights and depths to the reference plane

Reduces wrinkles by 13% in 2 weeks and 16% in 4 weeks on crow's feet

In vivo assay

Anti-wrinkle



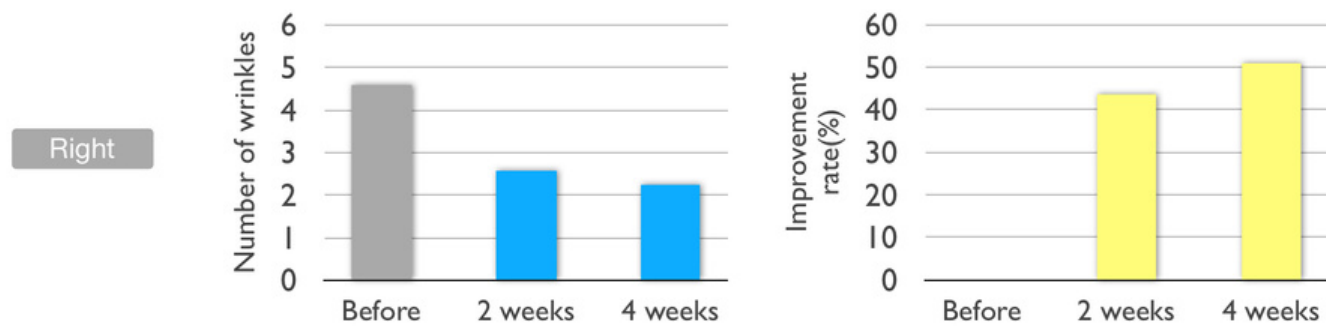
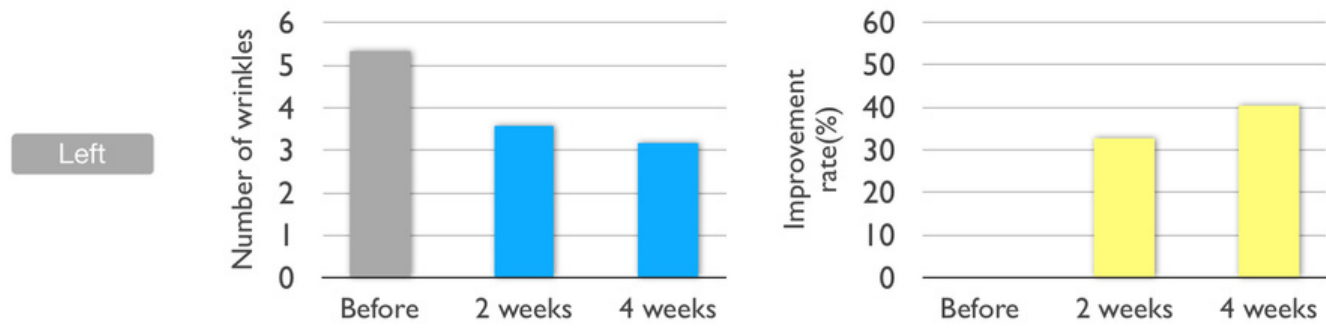
Reduces wrinkles by 13% in 2 weeks and 16% in 4 weeks on crow's feet

OUR RESEARCH

In vivo assay

Anti-wrinkle

Test area	Below eyes
Detection method	Robo Skin Analyzer CS50, Inforward, Inc.

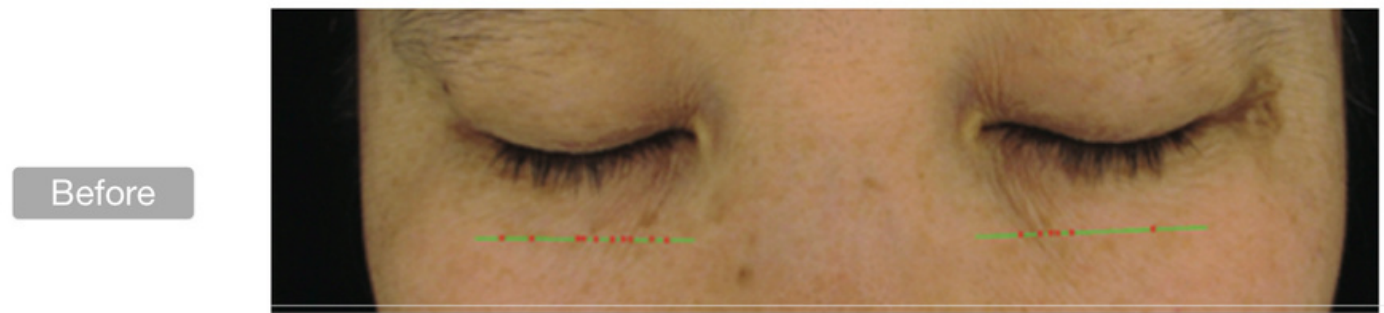


Reduces wrinkles by 38% in 2 weeks and 46% in 4 weeks on below eyes

In vivo assay

Anti-wrinkle

Test area	Below eyes
Detection method	Robo Skin Analyzer CS50, Inforward, Inc.



Wrinkles: 10 6



Wrinkles: 2 1

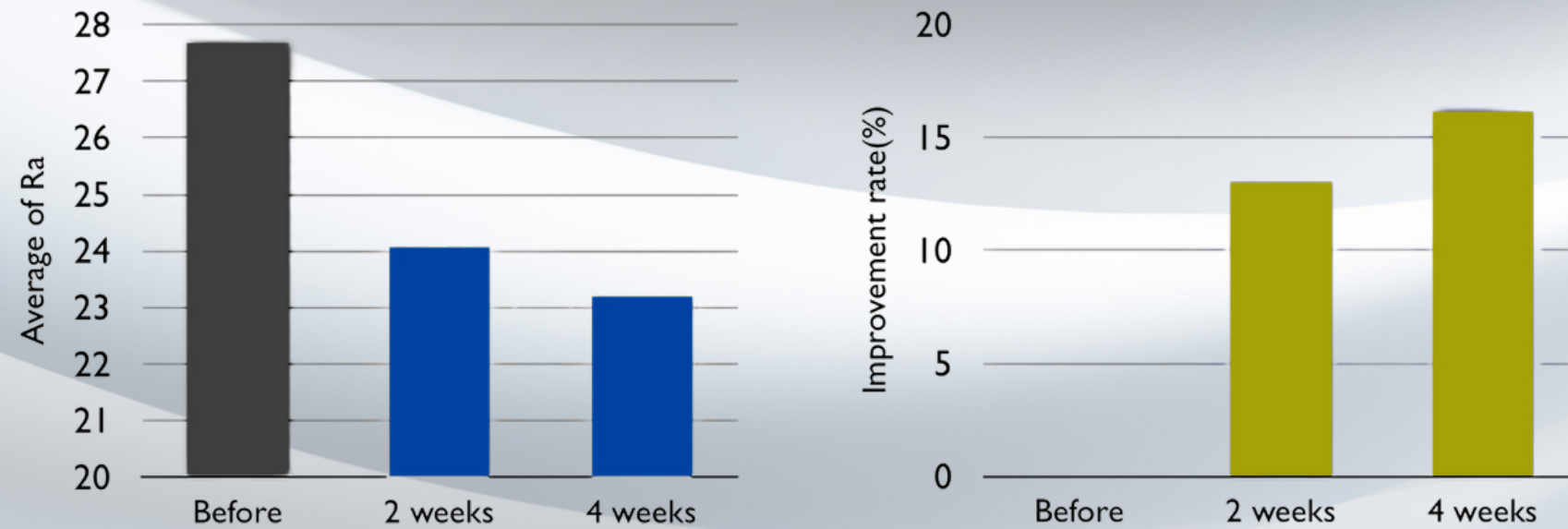
Reduces wrinkles by 38% in 2 weeks and 46% in 4 weeks on below eyes

OUR RESEARCH

In vivo assay

Anti-wrinkle

Test area	Crow's feet
Detection method	PRIMOS Lite 3D Face and Skin ScannerAnalyzing System, GFMesstechnik



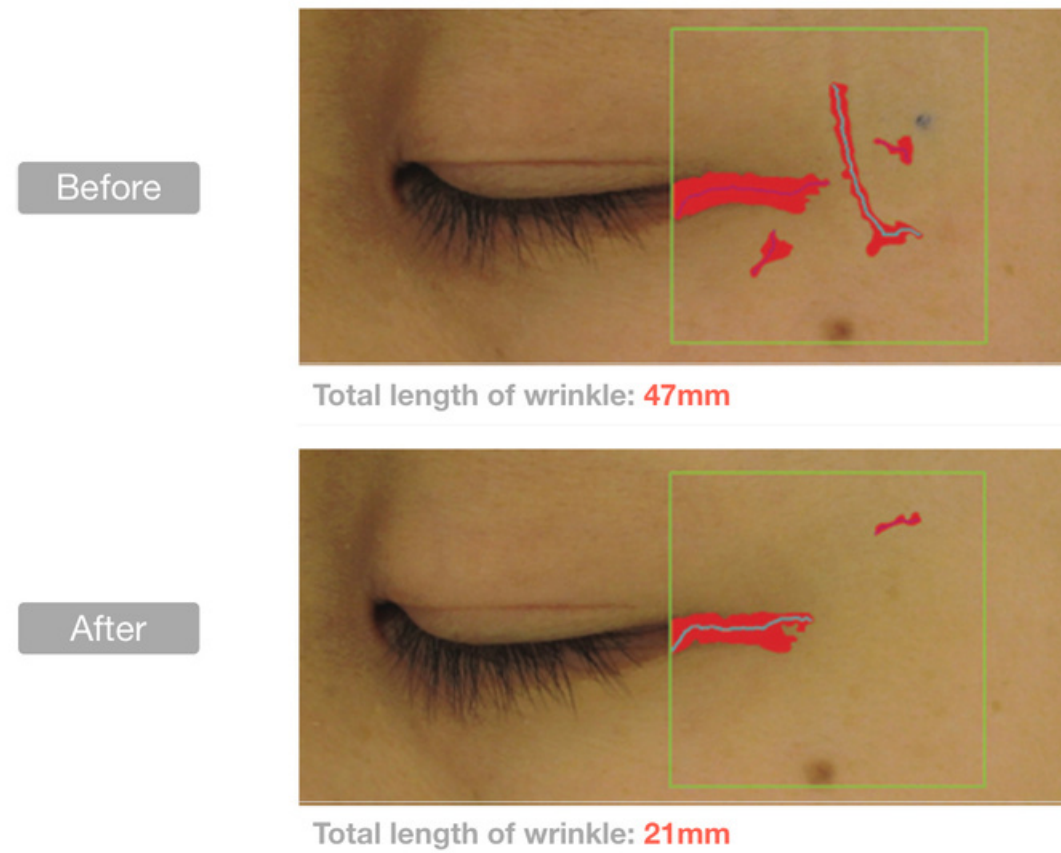
Ra : Average of all heights and depths to the reference plane

Reduces wrinkles by 13% in 2 weeks and 16% in 4 weeks on crow's feet

In vivo assay

Anti-wrinkle

Test area	Crow's feet
Detection method	Robo Skin Analyzer CS50, Inforward, Inc.

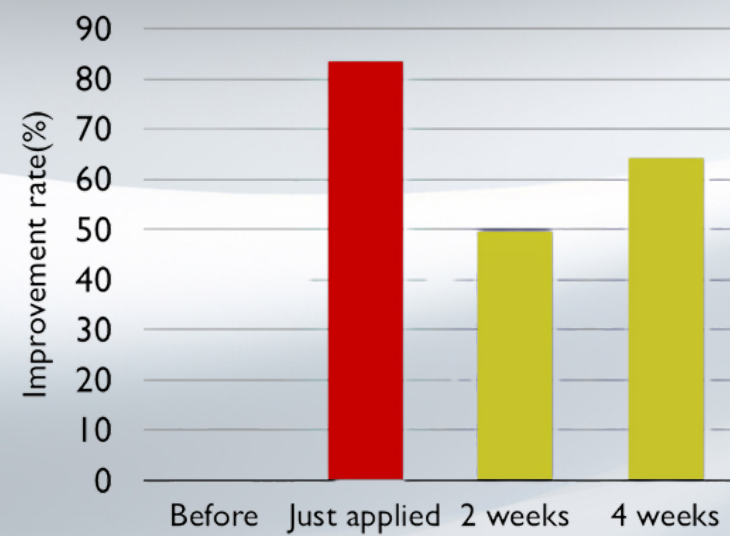
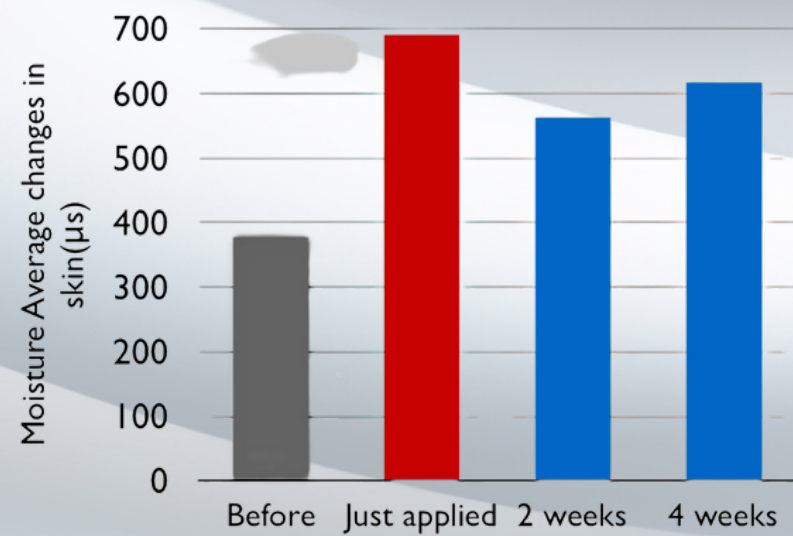


Reduces wrinkles by 10% in 2 weeks and 21% in 4 weeks on crow's feet

OUR RESEARCH

Moisturizing

Test area: Facial area
 Detection method: DermaLab moisture probe, Cortex Technology, Inc.



µs= micro siemens, µs=1/10⁶Ω, N=12

Skin Moisturizing has been improved by 83% just after applying, 50% in 2 weeks and 64% in 4 weeks

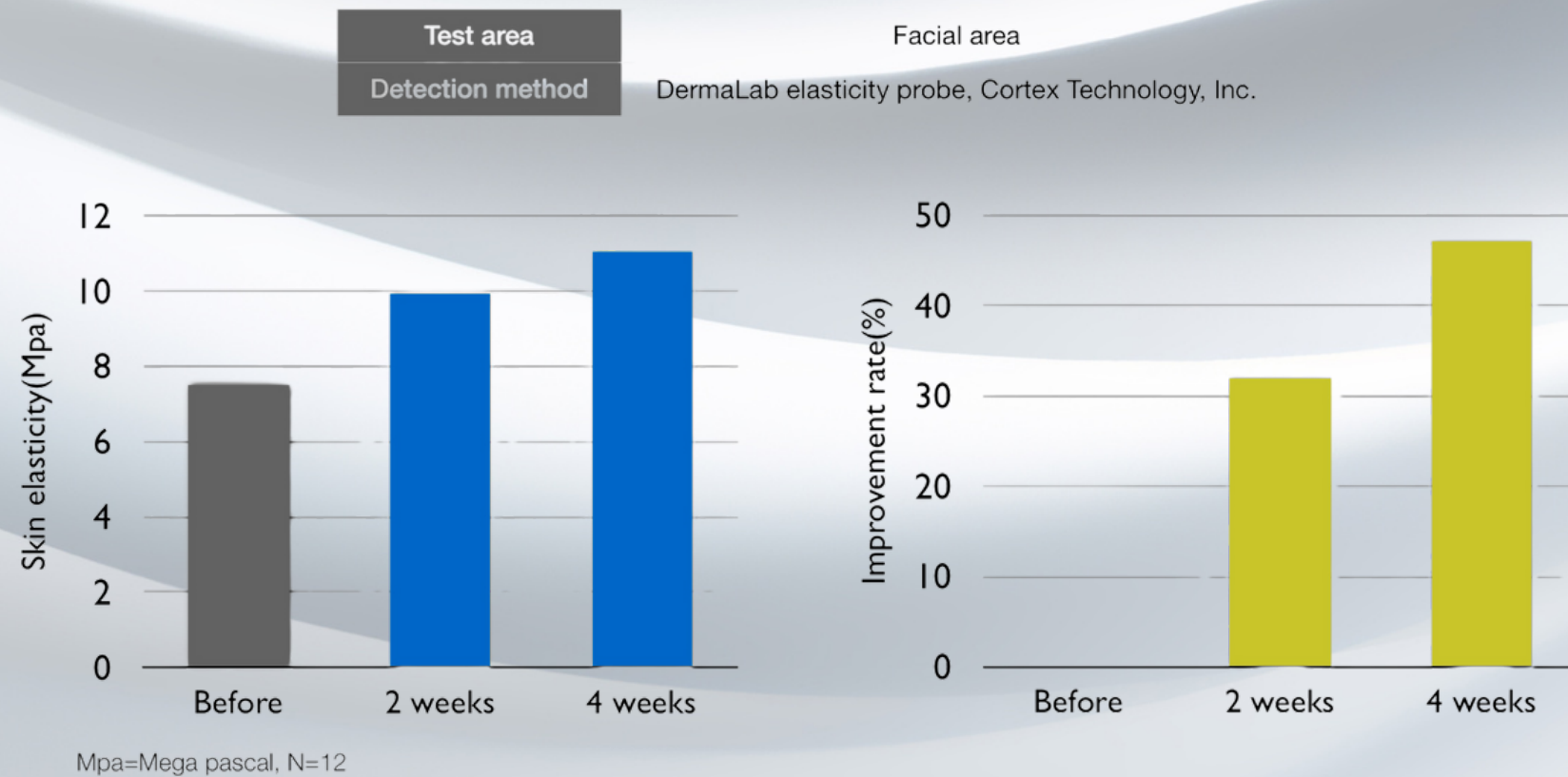


Before Use



After Use

Skin elasticity



Before Use

After Use

Skin elasticity has been improved by 32% in 2 weeks and 47% in 4 weeks