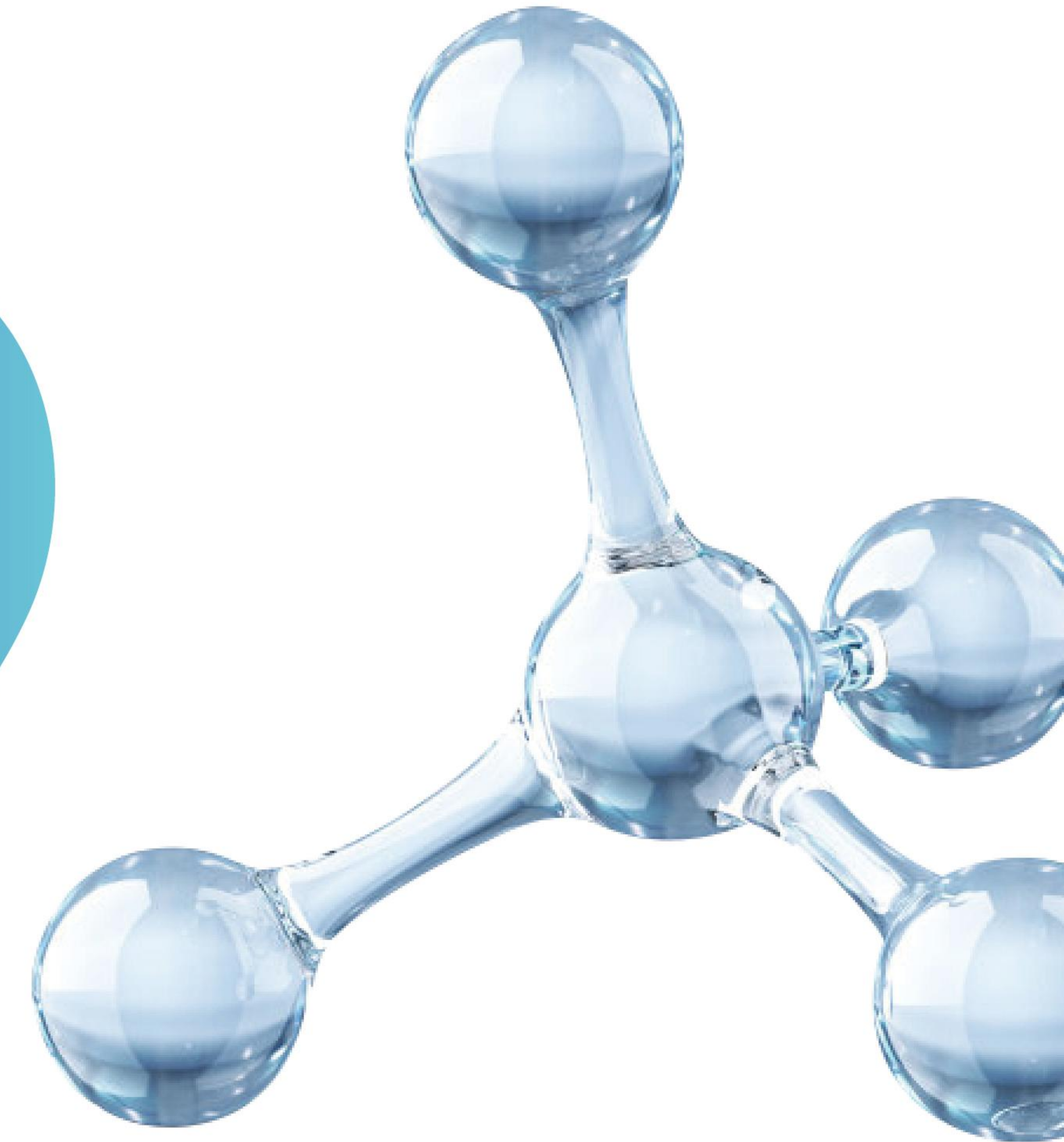


Recommended by
World-renowned Scientists



**LEADING PEPTIDE MANUFACTURER
WITH PATENTED TECHNOLOGY**



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<https://www.activepeptide.com>

American Brand

Our Products

A Wide Range of Cosmetic Peptides

High Purity Powders with Advanced
Patented Technologies

Solutions with Patented Formulas
Created in GMP Environment

- Singular Peptide Solutions
- Complex peptide solutions

High Purity Peptide Powders

“We have made a significant breakthrough in kilogram-scale production of high purity peptides. Our unique liquid-phase synthesis technology has the shortest synthetic routes and avoids using any chromatographic purification, which allows us to produce kilograms of pure peptides in a single batch. This process is much faster, more cost-efficient, and eco-friendly.”

- Dr. Gengli Yu
Founder & Principal Scientist



Formulated Peptide Solutions

We have more than 20 singular peptide solutions and 10 patented complex peptide solutions.

Our solutions are created using the company's self-manufactured high purity peptide powder. All products are made in a GMP-standard sterilized area.

We also make custom solutions based on the customer's requirements for formula and concentration.



Making Your Skin Brighter, Younger, and Healthier

➤ What are peptides?

Peptides, made of amino acids, are the building blocks of proteins. These peptide chains can be absorbed by the skin, where they are able to deliver anti-aging benefits, such as stimulating collagen production and fighting lines and wrinkles.

➤ How do peptides work in Skin Care?

Different kinds of peptides work in different ways. For example, copper peptides enhance regeneration and healing, and increase skin firmness; some tetrapeptides stimulate new collagen growth; acetyl hexapeptide-8 has a relaxing effect on the facial muscles, minimizing movement and the formation of wrinkles.

➤ Who should use skin-care products with peptides?

Peptides are becoming more and more prevalent in skin care. Anyone can use peptide cosmetics to serve their needs in skin care or hair care. Unlike many other active ingredients, peptides generally have no side effects.

Why Buy Cosmetic Peptides From Active Peptide Company?

We are a science-based American company recommended by world-renowned scientists and customers.



Dr. Gengli Yu
Founder & Principal Scientist for
 Active Peptide Company and Jila Biotech

Dr. Loren Pickart
Inventor of GHK Copper Peptide

***If you want pure copper peptides,
 go to activepeptide.com.***

– Dr. Loren Pickart
 Inventor of GHK copper peptide,
 Founder of ProCyte and Skin Biology

Copper Peptide, Dr. Loren Pickart, and Us

Copper peptide is an innovative skin care ingredient. It is known for its ability to reduce the appearance of fine lines and wrinkles, boost the production of collagen and elastin, and restore skin elasticity and strength.

In the 1970s, Dr. Loren Pickart discovered GHK copper peptide and became the world's most famous expert in copper peptide research. In the 1980s, Dr. Pickart founded ProCyte and brought it to Nasdaq. He later established Skin Biology, another famous professional skin care company.

Copper peptide was Active Peptide's first product. Dr. Gengli Yu, our founder and principal scientist, led a team of PhDs and successfully developed leading patented technologies to produce high quality peptides. In 2014, Active Peptide Company became Skin Biology's peptide supplier.



During our years of collaboration, Dr. Pickart has been a strong supporter of Active Peptide Company. He tells those interested in peptide powder, "if you want copper peptide, go to activepeptide.com." Dr. Gengli Yu and Janet Du visited Dr. Pickart and his wife in Seattle at the end of 2017. He had just published his new book, "GHK Copper Peptides for Skin and Hair Beauty."



Dr. Pickart is a faithful fan of Albert Einstein, and left the most striking place on his desk for his portrait. During lunch, Dr. Pickart expressed that there is always more to learn about copper peptide and its broad applications in different fields such as health care, skin care, and nutrition.

In September 2021, Active Peptide brought a video crew to visit Dr. Pickart again for a scientific interview. In the video, Dr. Pickart shared interesting stories about how he discovered copper peptide and the breakthroughs that most surprised him. The most important findings after its discovery will be included in his new book, "GHK and DNA: Reducing the Diseases of Human Aging." The video can be found on Youtube with the title "Interview With Dr. Loren Pickart."



Advanced Patented Technologies

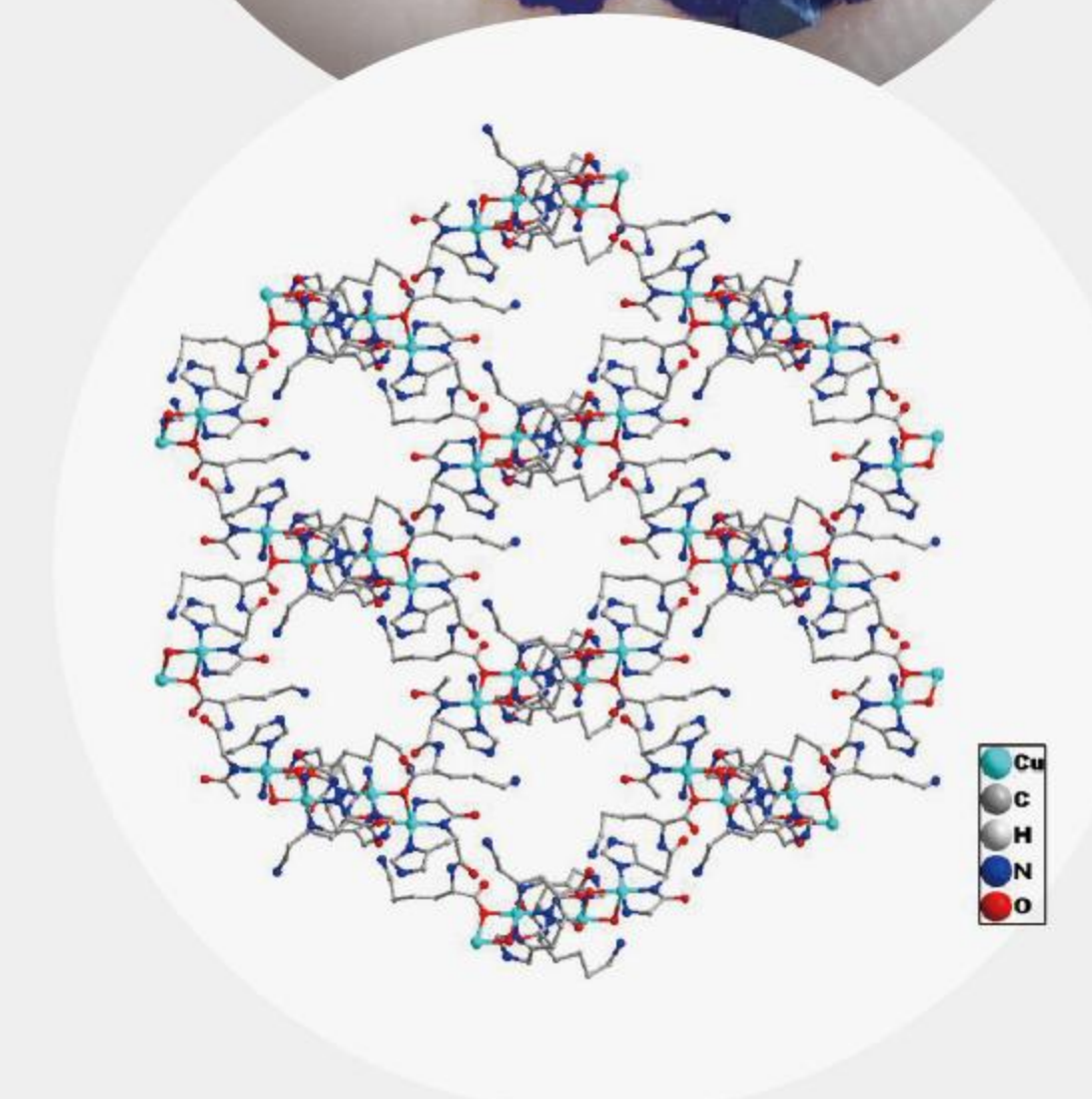
Copper Peptide

Our copper peptides have been widely used in high-end skin care products for their proven ability to repair daily skin damage, remove wrinkles, and delay signs of aging.

Skinbioloy by Dr. Loren Pickart uses Active Peptide peptides in skin care products and recommends the brand as the best source for copper peptides.

Comparison Between Active Peptide and Other Brands

	Active Peptide Brand	Other Brands
Appearance	Crystal powder, blue, salt-like in consistency	Freeze-dried powder, blue, flour-like in consistency
Technology	No preparative HPLC and lyophilizer used; eco-friendly	Preparative HPLC and lyophilizer used; large solvent consumption
Stability	High	Low
Moisture absorption	No	Yes
Adhesion	Not sticky; good liquidity	Prone to stick on bottle wall
Storage	Easy to weigh and store	Difficult to weigh and store



In our lab, our unique patented technologies allow us to grow large, high-purity copper peptide crystals.



- High purity copper peptide crystal and its single crystal X-ray absorption spectroscopy

Copper Peptide High Purity Powder and Formulated Solutions



● Crystal Powder Product (Purity > 99%)

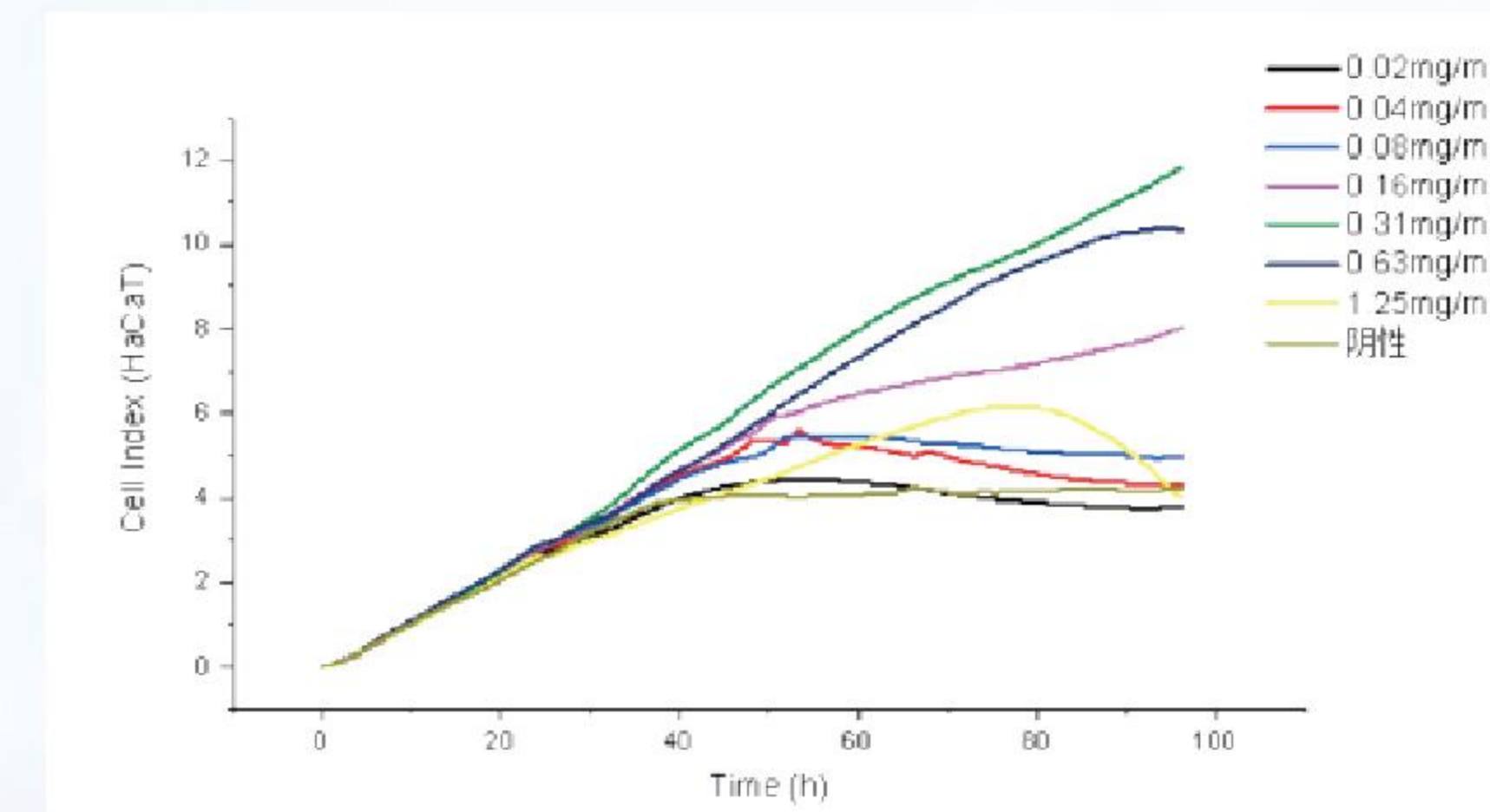
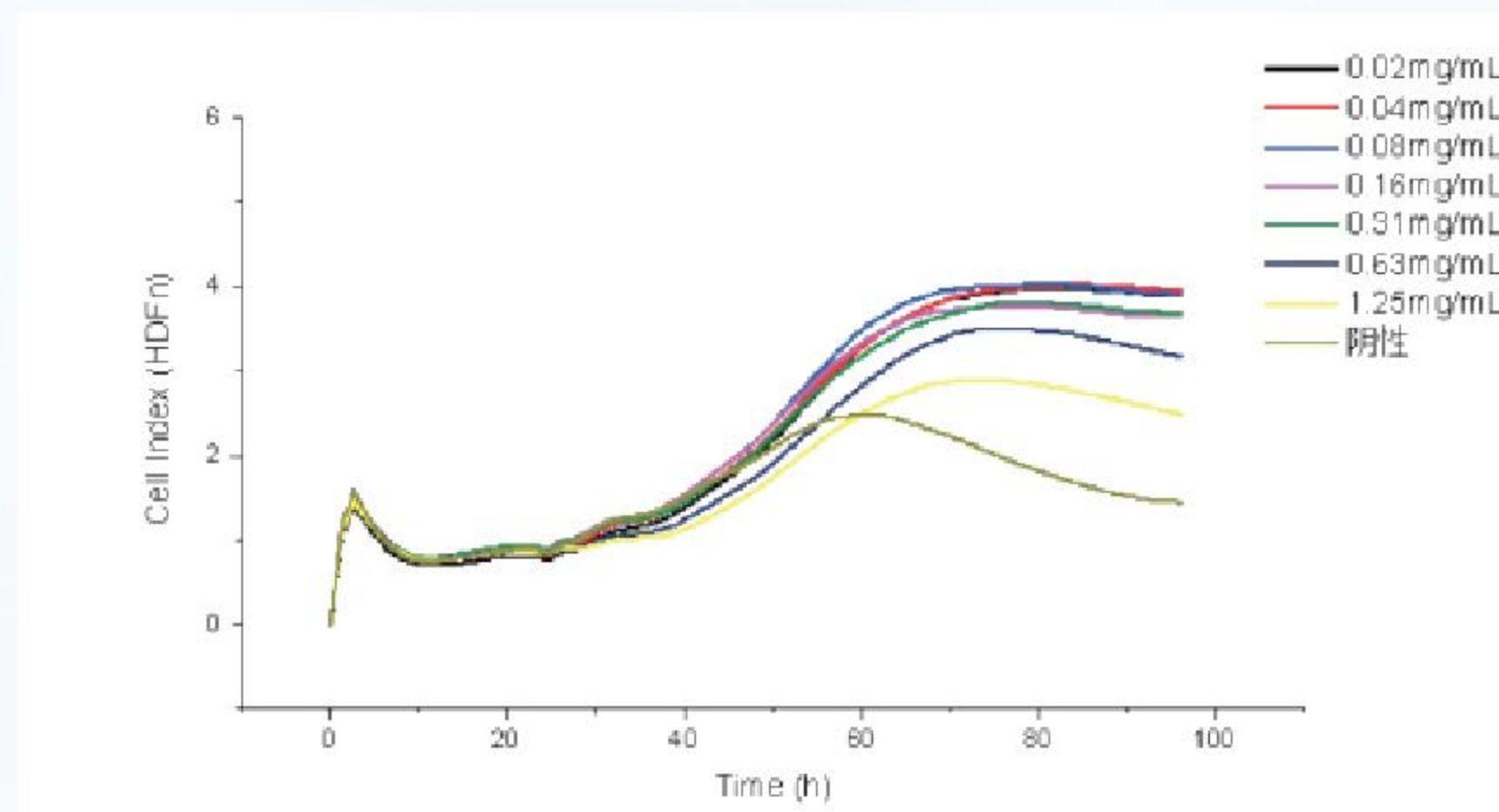


● Solution Product (1000 ~ 20000ppm)

Efficacy Tests

Active Peptide GHK-Cu Cell Proliferation Efficacy Test

- Significant effect on the proliferation of HaCaT cells (human immortal epidermal cells).
- At 0.31 mg/mL, the relative viability of cells reached 2.8 times that of the negative control.
- Significant effect on the proliferation of HDFn cells (human epidermal fibroblasts-neonatal).
- At 0.31 mg/mL, the relative viability of cells reached 2.5 times that of the negative control.

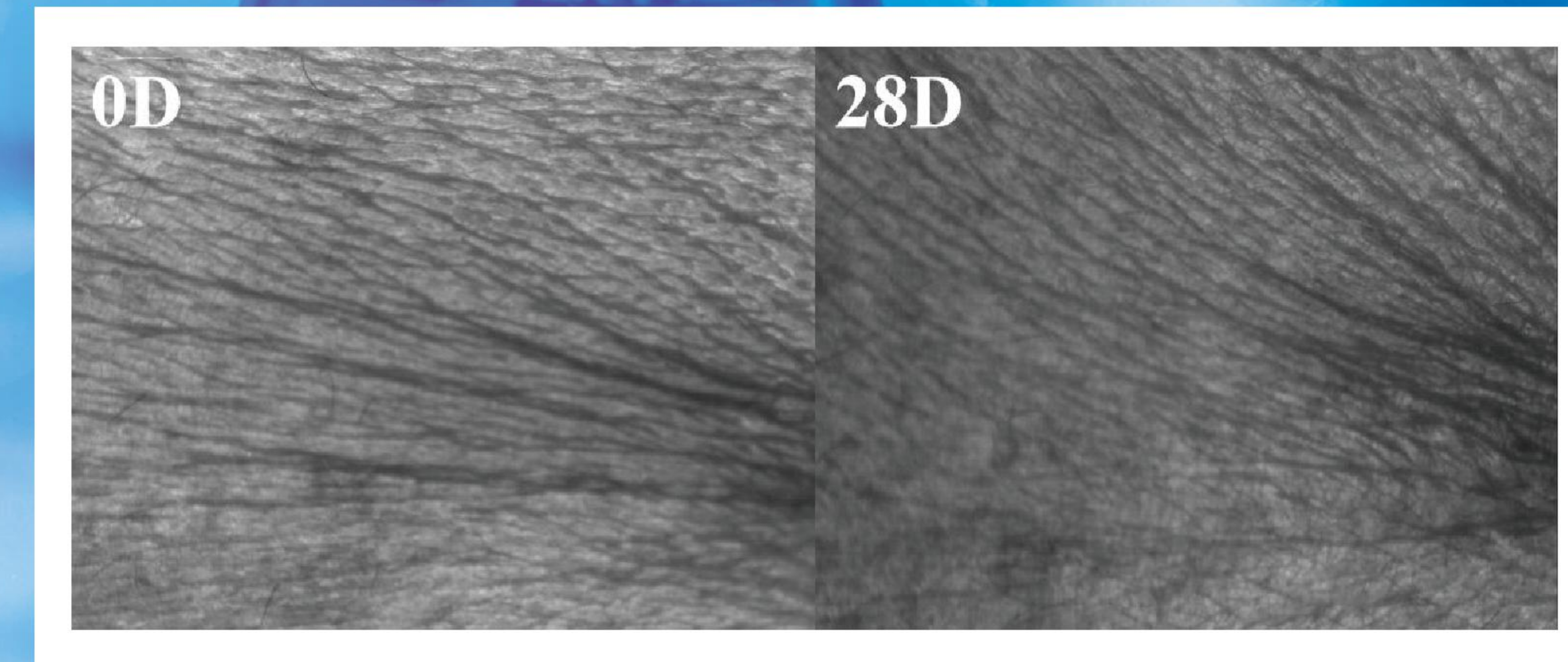
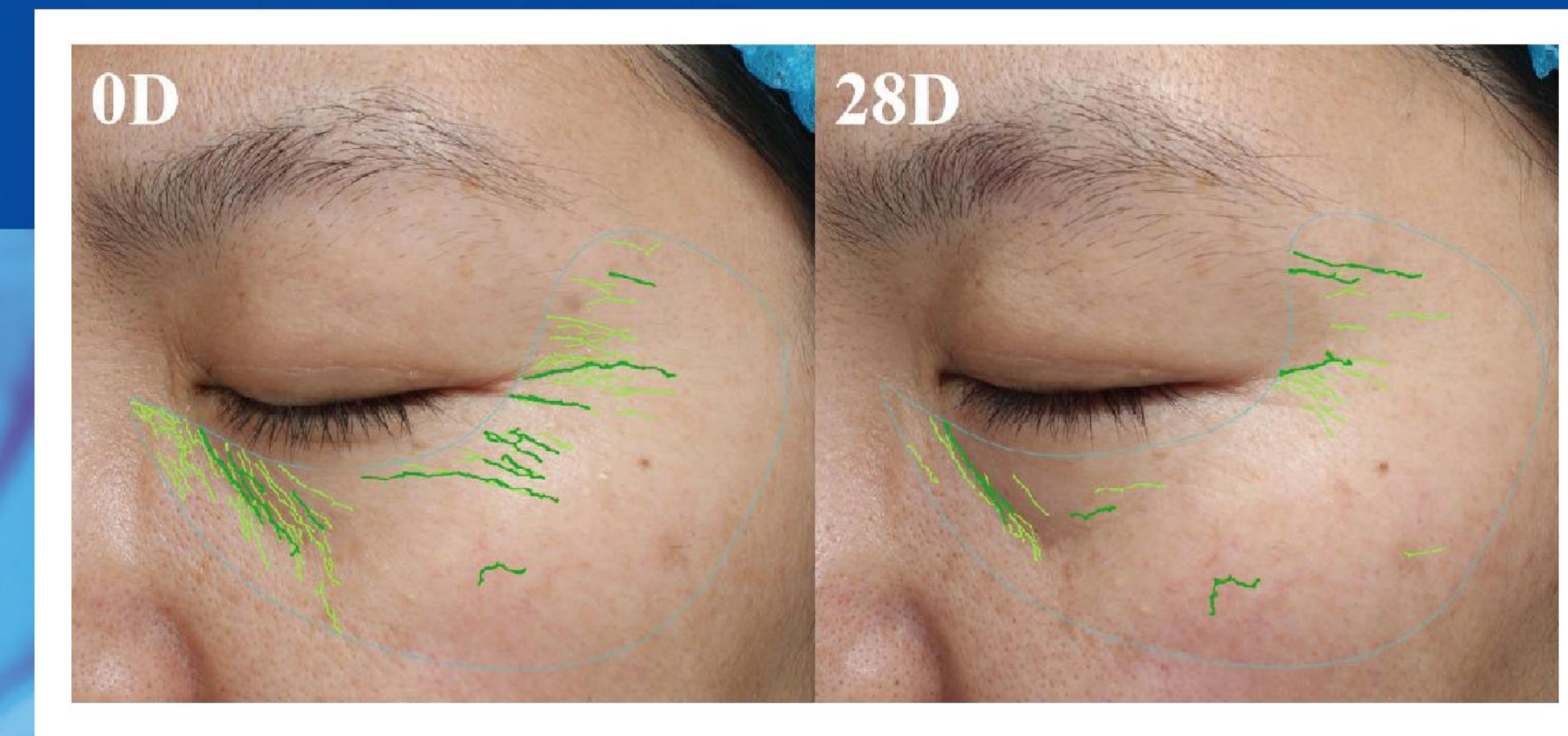


Active Peptide GHK-Cu Anti-Wrinkle Efficacy Test

➤ Sample: 0.1% Active Peptide GHK-Cu

Wrinkles of the testers were significantly reduced. The average value of facial roughness decreased by 19.91% and 32.00% on the 14th day and 28th day respectively.

On the 28th day, the change of the facial roughness value showed a significant difference ($0.001 < P < 0.01$).



HAIR & EYELASH GROWTH

- ▶ Acetyl Hexapeptide-8
- ▶ Acetyl Octapeptide-3
- ▶ Instant Anti-Wrinkle Essential Peptide Solution
- ▶ OctaSmooth-500 (Alternative to SNAP-8)
- ▶ INST-500 Amplified (Alternative to Argireline Amplified)
- ▶ Biotinoyl Tripeptide-1
- ▶ Acetyl Tetrapeptide-3
- ▶ AHK-Cu
- ▶ Hair Growth & Care Essential Amplified Peptide Solution
- ▶ Eyelash Promoter Amplified Peptide Solution
- ▶ TetraHair-3 (Alternative to Capixyl)
- ▶ HairTrixyl (Alternative to Procapil)

ANTI-WRINKLE & TIGHTENING

- ▶ Copper Tripeptide-1 (GHK-Cu)
- ▶ Tripeptide-1 (GHK)
- ▶ Tripeptide-29 (Collagen Amino Acids)
- ▶ Palmitoyl Tripeptide-1 (Pal-GHK)
- ▶ Palmitoyl Tetrapeptide-7 (Pal-GQPR)
- ▶ Palmitoyl Pentapeptide-4 (Pal-KTTKS)
- ▶ Hexapeptide-11
- ▶ Hexapeptide-9
- ▶ Firmness & Elasticity Enhancing Peptide Solution
- ▶ Extensive Anti-Wrinkle Essential Peptide Solution
- ▶ PAL-150 (Alternative to Matrixyl 3000)
- ▶ PalRevive (Alternative to Dermaxyl)
- ▶ Trismooth-TC (Alternative to SYN-TC, no PFAS)

RAPID WRINKLE REPAIR

- ▶ Acetyl Hexapeptide-8
- ▶ Acetyl Octapeptide-3
- ▶ Instant Anti-Wrinkle Essential Peptide Solution
- ▶ OctaSmooth-500 (Alternative to SNAP-8)
- ▶ INST-500 Amplified (Alternative to Argireline Amplified)

OIL CONTROL & BALANCING

- ▶ Dipeptide-15

SKINCARE AROUND THE EYES

- ▶ Extensive Eye Care Peptide Solution

EYE BAG REDUCTION

- ▶ Dipeptide-2

LIP FULLNESS & CARE

- ▶ PAL-Lip (Alternative to Maxi-Lip)

BRIGHTENING & LIGHTENING

- ▶ Nonapeptide-1
- ▶ Lightening & Brightness Enhancing Peptide Solution
- ▶ Pigmentation, Acne, & Inflammation Reducing Peptide Solution

MUSCLE RELAXATION & SKIN COMFORT

- ▶ Acetyl Dipeptide-1 Cetyl Ester (Oil-based)
- ▶ Acetyl Dipeptide-1 (water-based)
- ▶ Sensitive Skin Anti-Wrinkle & Elasticity Enhancing Peptide Solution
- ▶ Anti-Inflammation & Skin Repair Peptide Solution

▶ High Purity Powder

▶ Singular Peptide Solution

▶ Complex Peptide Solutions

APderma® Powder & Singular Peptide Solutions

PRODUCT NAME	PURE POWDER	SOLUTION (ppm)	FUNCTION	Solution Dosage
ANTI-WRINKLE & TIGHTENING				
APderma® Copper Tripeptide-1 (GHK-Cu) (Patent No. CN113150066B)	Blue	20000	Efficiently repairs damaged skin by promoting the production of critical skin proteins such as collagen and dermal substrates; reduces wrinkles, improves skin elasticity and firmness, increases skin thickness, and tightens the skin; reduces inflammation and relieves skin redness and swelling	2.5-10%
APderma® Tripeptide-1 (GHK)	Off-white	20000	Used as activators for tissue remodeling; Slows down aging; Reduces wrinkles; Reduces inflammation and redness; Lip fullness and moisturizing	2.5-10%
APderma® Collagen Amino Acids (Tripeptide-29) (Patent No. CN114702546B)	Off-white	5000	Enhances cell activity of fibroblasts; Enhances skin elasticity, reduces fine lines, promotes skin firming	1-2%
APderma® Palmitoyl Tripeptide-1 (Pal-GHK)	Off-white	1000	Stimulates collagen and supplements the skin matrix, thereby reducing wrinkles and tightening the skin; Improves skin elasticity	1-3%
APderma® Palmitoyl Tetrapeptide-7 (Pal-GQPR) (Patent No. CN112830956B)	Off-white	500	Reduces skin inflammation and the accompanying skin damage; Stimulates the regeneration of collagen fibers in the dermis by acting as a cellular messenger; Mainly used in anti-aging products for its ability to lighten skin and improve skin elasticity	1-3%
APderma® Palmitoyl Pentapeptide-4 (Pal-KTTKS)	Off-white	500	Achieves significant anti-wrinkle effects by repairing the matrix and epidermis-dermis junction; Stimulates the expression of wound healing genes; Stimulates skin fibroblasts to reconstruct extracellular matrix; Stimulates synthesis of collagen I and IV, and fiber cell proteins	1-3%

PRODUCT NAME	PURE POWDER	SOLUTION (ppm)	FUNCTION	Solution Dosage
ANTI-WRINKLE & TIGHTENING				
APderma® Hexapeptide-11	Off-white	2000	Effectively enhances skin firmness and elasticity; Stimulates the production of collagen, reduces fine lines and wrinkles; Brightens the complexion; Fights signs of aging and increases water retention capacity	1-5%
APderma® Hexapeptide-9	Off-white	1000	Hexapeptide-9 stimulates collagen production and enhances skin tone and texture, resulting in firmer and more resilient skin. Additionally, it improves skin hydration and texture, leading to a more radiant complexion.	1-8%
RAPID WRINKLE REPAIR				
APderma® Acetyl Hexapeptide-8*	Off-white	2000	Known as the famous "Botox-like" peptide that immediately removes wrinkles: muscles are contracted when they receive neurotransmitters from vesicles. The product competes with the natural protein for a position in the SNARE complex, inhibiting vesicles from releasing neurotransmitters. Therefore muscle contraction is attenuated, preventing the formation of lines and wrinkles; The product can also stimulate the production of collagen and promote hydrating abilities	1-8%
APderma® Acetyl Octapeptide-3*	Off-white	1000	Has a similar mechanism to the popular Acetyl Hexapeptide-8, it reduces muscle contractions which result in a more relaxed and line-free face, especially around the forehead and eyes. It repairs wrinkles and scars while promoting the generation of elastin and collagen for smoother and younger skin	1-8%
OIL CONTROL & BALANCING				
APderma® Dipeptide-15	Off-white	1000	The soothing and calming peptide improves the overall comfort and appearance of the skin by reducing inflammation and discomfort. It can alleviate redness, swelling, and discomfort, while also strengthening the skin barrier, leading to a decrease in skin sensitivity. Additionally, it can prevent oxidative damage and reduce inflammation in the skin	0.5-10%
EYE BAG REDUCTION				
APderma® Dipeptide-2	Off-white	1000	As an effective angiotensin-converting enzyme (ACE) inhibitor, it can improve blood circulation by inhibiting the conversion of angiotensin I to angiotensin II, thereby removing eye bags and dark circles. Additionally, it promotes the synthesis of skin proteins, resulting in an anti-wrinkle effect	1-5%

* Original Company's Formula

PRODUCT NAME	PURE POWDER	SOLUTION (ppm)	FUNCTION	Solution Dosage
MUSCLE RELAXATION & SKIN COMFORT				
APderma® Acetyl Dipeptide-1 (water-based)	Off-white	10000	Derived from Acetyl Dipeptide-1 Cetyl Ester, the new product does not require solubilizers or co-solvents, aligning with the growing trend of clean beauty. It inhibits the mediators CGRP and SP, controlling plasma leakage and microvascular dilation, thereby reducing redness and erythema. By dual-regulating neurotransmitters that stimulate muscle activity, it relaxes the muscles and prevents the formation of initial wrinkles. It improves the depth and length of fine lines, smoothing dynamic wrinkles, static wrinkles, and fine lines.	3-12%
APderma® Acetyl Dipeptide-1 Cetyl Ester (Oil-based)	Off-white	3000	Stimulates the release of the endorphins, relaxing the skin; Decreases discomfort of the skin and relieves skin tension by increasing the skin's tolerance to internal and external stimulation; Promotes the formation of elastic fibers to improve the toughness of the skin	3-12%
HAIR GROWTH & CARE				
APderma® Biotinoyl Tripeptide-1 (Biotin-GHK)	Off-white	2000	Stimulating the metabolism of hair follicle cells stimulates hair growth, delays hair follicle aging, improves hair follicle structure, prevents hair loss, activates tissue repair gene expression to improve skin reconstruction and repair, and promotes cell proliferation and differentiation	1-5%
APderma® Acetyl Tetrapeptide-3	Off-white	1000	Stimulates natural hair growth and reduces hair loss; repairs the connective tissue between the epidermis and dermis, promoting the stability of hair within the hair follicle; accelerates the synthesis of extracellular matrix proteins by stimulating fibroblasts around the hair follicles; directly acts on the surrounding tissue of the hair follicle, increasing its volume and length.	1-8%
APderma® AHK-Cu	Off-white	20000	Accelerates the synthesis of extracellular matrix proteins by stimulating fibroblasts around the hair follicles; directly acts on the surrounding tissue of the hair follicle, increasing its volume and length.	1-5%
BRIGHTENING AND SKIN TONE BALANCING				
APderma® Nonapeptide-1	Off-white	1000	Safely and efficiently inhibiting the formation of melanin, it competes with MSH (Melanocyte-Stimulating hormone) by binding to MC1-R receptors. This prevents MSH from activating tyrosinase and forming melanin, thereby effectively preventing and reducing pigmentation.	1-5%

* Original Company's Formula

APderma® Patented Complex Peptide Solutions

PRODUCT NAME	FUNCTION	MECHANISM	Solution Dosage
ANTI-WRINKLE & ANTI-AGING			
APderma® Extensive Anti-Wrinkle Essential Peptide Solution (Patent No. CN112716826B)	Rejuvenates the skin, repairs damaged cells, and restores cell vitality. Promotes collagen regeneration, removes expression lines and stubborn wrinkles, and prevents new wrinkles from appearing. Makes the skin firmer, thicker, smoother, and balances skin tone	The four peptides effectively remove wrinkles and tighten the skin. The tripeptide for anti-aging repair promotes the regeneration of collagen fibers, increases skin thickness, improves the youthfulness of epidermal cells, and repairs damaged cells. The pentapeptide for anti-aging repairs the junction between the epidermis and dermis, stimulates skin fibroblasts to rebuild extracellular matrix, and enhances the synthesis of collagen I and IV, fibroblast protein, and mucopolysaccharide. The tetrapeptide for promoting elasticity boosts collagen and elastin production, thereby increasing skin elasticity and improving its texture. Lastly, the neurotransmitter inhibitory peptide blocks nerve signals to muscles and prevents surface muscle contractions	1-8%
APderma® Instant Anti-Wrinkle Essential Peptide Solution	The expression lines and fine lines are instantly removed. Continuous use can effectively prevent the appearance of wrinkles, improving deep wrinkles and making the skin smooth and soft	Two neurotransmitter peptides work together to block signal transmission from nerves to muscles, inhibiting surface muscle contraction and instantly eliminating facial lines caused by expressions. Simultaneously, elastin peptides quickly repair fine lines and improve skin moisture. Long-term use can reduce expression wrinkles, enhance skin texture, and replenish collagen	1-8%

PRODUCT NAME	FUNCTION	MECHANISM	Solution Dosage
ANTI-WRINKLE & ANTI-AGING			
APderma® Firmness & Elasticity Enhancing Peptide Solution	Improves skin elasticity, firmness, and skin tone while replenishing collagen to prevent the appearance of wrinkles. It acts as an antioxidant, eliminating free radicals and toxins to maintain and restore youthful skin. Long-term use can effectively remove fine lines, expression lines, and deep wrinkles	Wrinkles are the result of skin aging and inadequate skin repair. This product is composed of an anti-glycosylation tetrapeptide and an anti-aging tripeptide. The anti-glycosylation tetrapeptide inhibits the glycosylation that disrupts the recognition of damaged proteins and slows down skin repair. The anti-aging tripeptide can modulate connective tissue reconstruction and generate more repair proteins by activating gene expression related to extracellular matrix renewal and cell proliferation	1-8%
APderma® PAL-150*	Repair damaged proteins, prevent the loss of elastin, and stimulate collagen to replenish the skin matrix, thereby reducing wrinkles and tightening the skin. Promotes long-term wrinkle removal, firming, and rejuvenation effects	This product includes 100 ppm palmitoyl tripeptide-1 and 50 ppm palmitoyl tetrapeptide-7 as the main ingredients. The anti-glycation tetrapeptide inhibits glycation, disrupting the recognition of damaged proteins and slowing down skin repair. The anti-aging tripeptide modulates connective tissue reconstruction and stimulates the production of repair proteins by activating gene expression associated with extracellular matrix renewal and cell proliferation	3-8%
APderma® PalRevive (Alternative to Dermaxyl)	Anti-ageing, wrinkle smoothing and cutaneous barrier repair.	The main ingredient is Palmitoyl Hexapeptide-12, which is a conjugate of palmitic acid and a peptide with the sequence Val-Gly-Val-Ala-Pro-Gly, known as a fragment of elastin. It is the most frequently repeated sequence in elastin (repeated six times) and is referred to as the "spring fragment," capable of promoting the production of collagen, elastin, fibronectin, and glycosaminoglycans (GAGs).	2%
APderma® Trismooth-TC (Alternative to SYN-TC, no PFAS)	Skin is smoother with a softer touch and improved overall young looking appearance; Skin appears plumper; Skin appears firmer; Skin elasticity is improved; Appearance of fine lines and wrinkles is visible reduced	Through the synergic action of the three peptides, this product can simulate the mechanism of collagen and hyaluronic acid production by (Transforming growth factor-β) TGF-β, supplement the content of collagen and hyaluronic acid in the dermis, and make the skin full, firm and full in multiple areas; It also significantly stimulates the expression of laminin as well as types IV, VII and XVIII collagen and integrins, thereby enhancing the structural and functional integrity of the Dermal Epidermal Junction (DEJ), thereby effectively delaying the skin aging process.	2.5%

* Original Company's Formula

PRODUCT NAME	FUNCTION	MECHANISM	Solution Dosage
ANTI-AGING EYE CARE			
APderma® Extensive Eye Care Peptide Solution	It removes crow's feet and wrinkles around the eyes, reduces edema, eliminates eye bags, improves skin elasticity and firmness, and repairs aging and damaged skin in the eye area	Four peptides work together to promote eye skin care. One peptide improves lymphatic circulation, inhibits angiotensin-converting enzyme, and eliminates eye bags and edema; the second peptide blocks nerve signal transmission to muscles, inhibiting surface muscle contraction and instantly eliminating expression lines; the third peptide effectively improves skin texture, prevents the loss of elastin and collagen, and reduces fine lines around the eyes; the fourth peptide repairs damaged and aging skin cells strongly, increasing the thickness of the skin around the eyes	1-8%
HAIR GROWTH & CARE			
APderma® Hair Growth & Care Essential Amplified Peptide Solution	Stabilizes hair follicles, promotes hair follicle cell proliferation and hair growth; increases hair melanin content and enhances hair glossiness	This formulation contains three peptides for hair growth and care. The first peptide improves the metabolism of hair follicle cells, delays the aging process of these cells, and reduces hair loss. The second peptide promotes cell proliferation and differentiation, stimulates hair growth, enhances the structure of hair follicles, and repairs their cells. The third peptide stimulates melanin production and facilitates its transfer from melanocytes to keratinocytes, thereby restoring hair color	1-8%
APderma® TetraHair-3 (Alternative to Capixyl)	Stimulating cell proliferation and differentiation, promoting hair growth, improving hair follicle structure, repairing damaged cells and expanding the size of the hair follicle to increase hair quantity and vitality.	The main ingredient is Acetyl Tetrapeptide-3. It can act on fibroblasts to promote the synthesis of extracellular matrix proteins (such as laminin-5 and collagen IV), a process that increases the volume and length of hair follicles and repairs the connection between the epidermis and dermis. It can stabilize hair within the hair follicles and maintain a normal hair follicle cycle.	0.5-5%
APderma® HairTrixyl (Alternative to Procapil)	Stabilize and enlarge hair follicles within the dermis, enhancing hair density and vitality.	The main ingredient is Biotinoyl Tripeptide-1. It exhibits significant protective and stimulatory effects on extracellular matrix proteins, such as collagen IV and laminin-5, within the hair sheath and dermal papilla. This action plays a crucial role in stabilizing hair follicles within the dermal layer, thereby preventing hair loss. The increase in extracellular matrix proteins also leads to an enlargement of the dermal papilla, which in turn expands the hair follicle and enhances both hair density and vitality.	1-3%

PRODUCT NAME	FUNCTION	MECHANISM	Solution Dosage
BRIGHTENING AND SKIN TONE BALANCING			
APderma® Lightening & Brightness Enhancing Peptide Solution	Significantly reduces pigmentation, balances skin tone, and enhances skin brightness	Tyrosine and tyrosinase undergo a series of reactions to form melanin. This formula contains two major ingredients targeting different interaction sites of melanin formation. The interaction process is reversible rather than destructive, safely and efficiently inhibiting the formation of melanin. Specifically, the major peptide ingredient competes with MSH (Melanocyte-Stimulating hormone) by binding with MC1-R receptors, making MSH unable to activate tyrosinase and form melanin. The second ingredient mimics the structure of tyrosine to deceptively bind with tyrosinase, which inhibits the activation of tyrosinase and further cuts off the path of melanin formation	1-8%
APderma® Pigmentation, Acne, & Inflammation Reducing Peptide Solution	Combats abnormal pigmentation such as chloasma, freckles, age spots, and black spots; eliminates acne, reduces inflammation while regulating sebaceous glands; harmonizes skin tone	This formula selectively enters overly active melanocytes to reduce abnormal pigmentation. The major ingredient efficiently reduces acne, improves skin elasticity, regulates sebaceous glands, and decreases oil secretion. The other peptide ingredient competes with MSH (melanocyte-stimulating hormone) and inhibits tyrosinase activity effectively to efficiently prevent melanin formation	1-8%
RAPID WRINKLE REPAIR			
APderma® OctaSmooth-500 (Alternative to SNAP-8)	It reduces expression wrinkles topically with an alternative mechanism to Botulinum Toxin.	By inhibiting the synthesis of SNARE receptors and thereby suppressing the excessive release of catecholamines and acetylcholine, this approach locally blocks the neural transmission of muscle contraction signals. This results in the relaxation of facial muscles and the smoothing of fine lines. It also reduces dynamic wrinkles, particularly those on the forehead and around the eyes, and enhances the activity of elastin, leading to improved facial firmness.	3-10%
APderma® INST-500 Amplified (Alternative to Argireline Amplified)	An alternative to Botox that locally targets the same wrinkle formation mechanism in a very different way could tone down expression lines.	Mimicking the N-terminal of SNAP-25, it competes with a natural protein for a place in the snare complex. If the snare complex is slightly unstable, the vesicles cannot effectively release neurotransmitters, so muscle contraction is weakened, preventing the formation of wrinkles and wrinkles.	1-8%

PRODUCT NAME	FUNCTION	MECHANISM	Solution Dosage
MUSCLE RELAXATION & SKIN COMFORT			
APderma® Sensitive Skin Anti-Wrinkle & Elasticity Enhancing Peptide Solution	Specifically formulated for sensitive skin, this product is anti-wrinkle and anti-aging. It repairs damaged skin while increasing elasticity and smoothness	Four peptides combine to support the daily skincare needs of sensitive skin. The first peptide effectively eliminates wrinkles and enhances skin elasticity/firmness by promoting the production of hyaluronic acid and collagen; the second peptide focuses on anti-oxidation/anti-aging and repairs skin damage; the third peptide effectively controls continuous vasodilation, removing redness and swelling; while the fourth peptide improves lymphatic circulation and reduces the release of proinflammatory cytokines	1-8%
APderma® Anti-Inflammation & Skin Repair Peptide Solution	Effectively relieves inflammatory reactions in sensitive skin: reduces skin redness and swelling; soothes and relieves pain	Two ingredients work together to reduce skin sensitivity and inflammation. First, the major peptide ingredient stimulates the release of pro-endorphins, relieving pain and soothing the skin. It also effectively removes red blood streaks and redness by controlling vasodilation. Second, the copper peptide efficiently repairs damaged skin by promoting the production of critical skin proteins such as collagen and dermal substrate	1-8%
LIP FULLNESS & CARE			
APderma® PAL-Lip (Alternative to Maxi-Lip)	Making them plump and full, reducing lip lines, moisturizing the lips, and enhancing lip gloss.	Palmitoyl tripeptide-1 stimulates fibroblasts to enhance collagen and GAG production, smooth fine lines and deep wrinkles, and improve the skin's water-binding capacity and elasticity. It is lipophilic and can penetrate the lipid barrier to enhance delivery.	1-5%
EYELASH GROWTH			
APderma® Eyelash Promoter Amplified Peptide Solution	Enhances eyelash thickness and growth; improves glossiness; promotes the proliferation of hair follicle cells and stabilizes eyelash hair follicles	This formulation contains four peptides for eyelash growth and care. One peptide promotes eyelash growth by regulating keratin gene expression in the hair follicle; the second peptide repairs hair follicle cells, promotes cell proliferation and extracellular matrix synthesis, and delays hair follicle aging; the third peptide stabilizes hair follicles and reduces eyelash loss through promoting nutrient absorption and blood circulation; the fourth peptide reduces skin sensitivity and soothes the skin near the eyelash roots	1-8%