

Bio-Microneedling

SPICULES RAPHITOX™ + 3 PEPTIDES

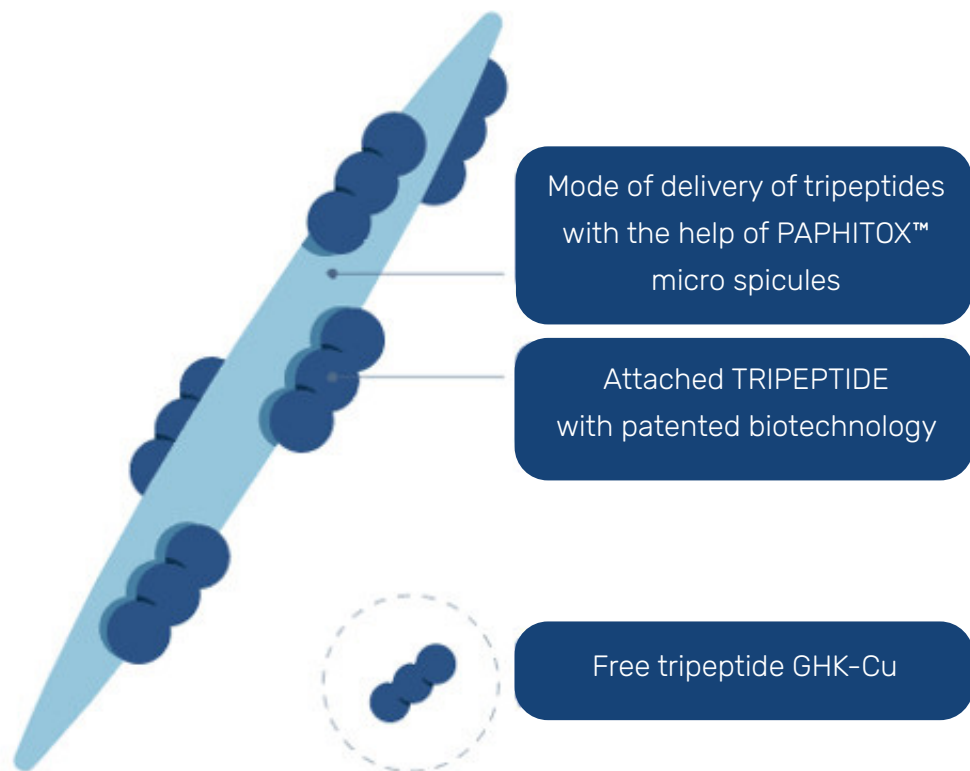
8 MILLION NATURAL BIO-MICRONEEDLES OF ALTUM™ PEPTIDES

60_x
HIGHER
ABSORPTION

Altum
PEPTIDE™



PATENTED INGREDIENT Altum™ PEPTIDE
in the unique PEPTAXEL program for professionals



[Altum™ Peptide]

Altum™ Peptide is in the form of a microcarrier that is smaller than the pores and is absorbed 60 times better than conventional peptides.

Bio-Microneedling with Altum™ Peptide

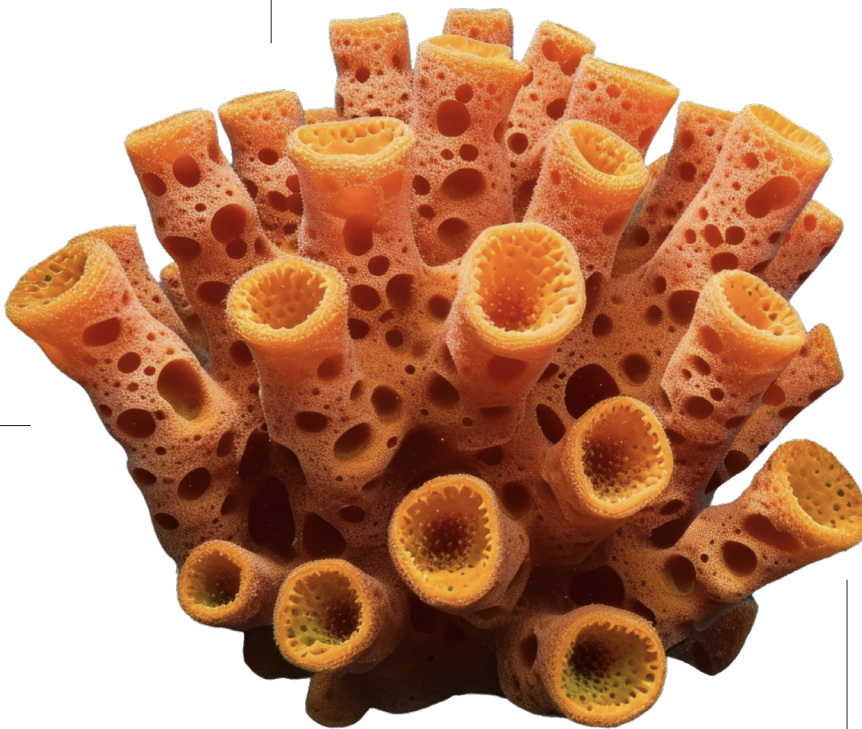
THE BIRTH OF A SUPER POWERFUL ANTI-AGING INGREDIENT

ALTUM™ PEPTIDE is an innovative patented biotechnology for skin care developed by SR biotek, the renowned manufacturer of the IDENEL brand. This revolutionary formula combines the tripeptide GHK-Cu, known to stimulate collagen and perform other critical skin functions, with natural bio microneedles called spicules. Delivered deep into the skin's epidermis via a gentle carrier, this innovation represents a world-first patented biotechnology that adapts the concept of targeted anticancer drug delivery to enhance the penetration rate of cosmetic products. This milestone is the culmination of 15 years of research and a \$3 million investment in R&D.

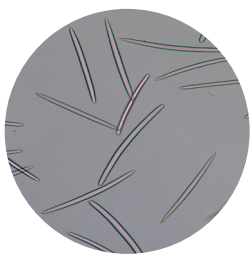


[sea sponge powder]

Contains up to **8 million** natural bio microneedles per gram. It can be seen by the eye as a powder, but under the microscope as a sharp rod-like crystal or a blunt bone needle. RAPHITOX™ is generally 200-250 µm in length and approximately 10 µm in diameter.



[sea sponge]

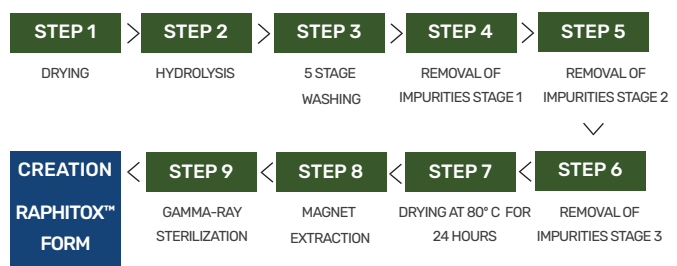


[RAPHITOX™]

is a patented biomaterial developed by the SR biotek research center for skin regeneration. By causing micro-irritation and creating micro-channels in the skin, RAPHITOX™ improves blood circulation, improves wrinkles and skin tone, increases skin elasticity, accelerates regeneration and improves the penetration of active ingredients.

RAPHITOX™ is a patented biomaterial developed by the research center SR biotek for skin regeneration. This unique substance, obtained from a natural marine source - sea sponges, undergoes a multi-stage purification process.

9-STAGE REFINING SYSTEM OF RAW MATERIALS

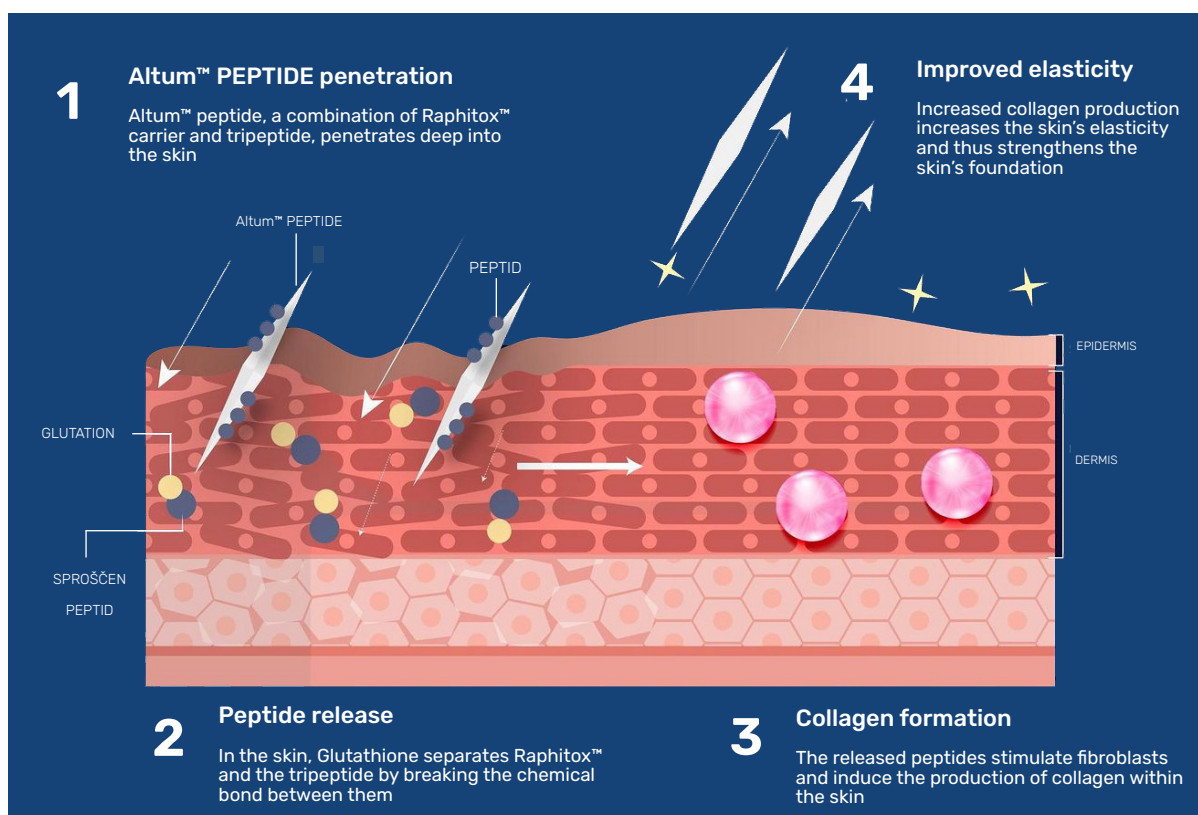


Altum™ PEPTIDE is the world's first patented biomaterial of marine origin

PROFESSIONAL PROGRAM FOR IMPROVING SKIN WRINKLES AND ELASTICITY

[How Altum™ PEPTIDE works]

Altum™ PEPTIDE (also called bio-microneedling) is a new therapy designed as an alternative to standard microneedling, radiofrequency (RF) lifting, chemical peels, dermabrasion and laser skin treatments. It is much safer and can be performed on almost any part of the face or body. Since it is a natural marine raw material, in which the green color of the raw material has been repeatedly refined into white, the quality and effect of skin regeneration have increased.



[x] For a clearer effect, apply a toner or ampoule containing glutathione enzyme before applying Altum™ PEPTIDE. (the glutathione enzyme concentration varies depending on the condition of the skin)

[x] After performing the Peptaxel program, the Raphitox™ spicules are naturally removed within 72 hours with the Keratin Excretion Cycle

[PEPTAXEL™ SPICULAS POWDER]

PEPTAXEL™ is a new formula that combines Raphitox™ spicules, tiny needle-like structures mined deep in the sea, and bound peptides, a raw ingredient that activates collagen production in the skin. They can only be seen under a microscope. When applied to the skin, the spicules penetrate the epidermis and trigger a controlled micro-damage response. This stimulates the body's natural production of collagen and elastin, two essential proteins that maintain skin elasticity and firmness.

STEP 1



PEPTAXEL™ POWDER



STEP 2



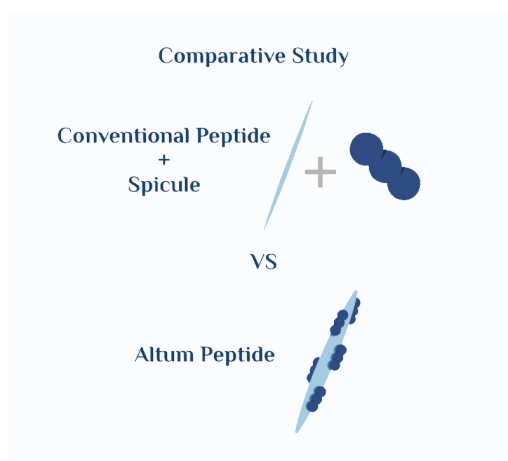
PEPTAXEL™ ACTIVATOR

[PEPTAXEL™ ACTIVATOR]

It contains the enzyme glutathione, which promotes the easy release of peptides in the skin from a carrier called Raphitox™. In addition, it contains marine extracts, amino acids, PDRN and plant extracts that strengthen and renew skin cells and form a protective film on the surface of the skin, which enables an immediate effect of lifting and fullness.

PEPTAXEL™ program compared to other bio-microneedlings

THE COMPLETE FORMULATION OF NEXT GENERATION SPICULES,
MADE TO PREVENT AGING AND IMPROVE PROBLEMATIC SKIN

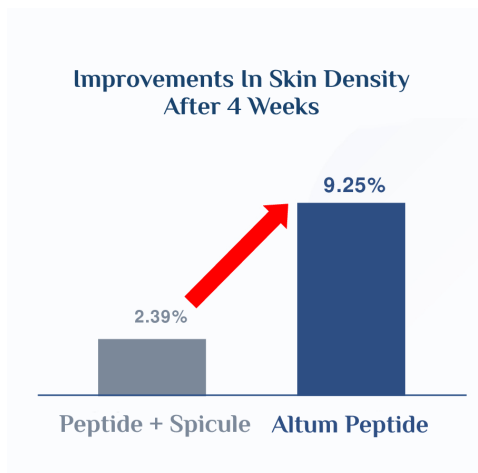


[RAPHITOX™ + 3PEPTIDE = ALTUM™PEPTIDE]

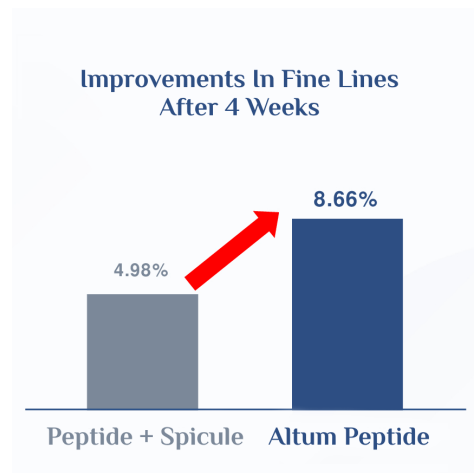
PEPTAXEL™ bio-microneedling uses a unique advanced system to deliver the ingredient ALTUM™ PEPTIDE, which is not just spicules, peptides and other active ingredients mixed together. It is a patented binding and releasing system that uses RAPHITOX™ to transport bound tripeptides into the epidermis, where they are then released into the skin by the enzyme glutathione. Free peptides stimulate fibroblasts and trigger collagen synthesis.

[Altum™ PEPTIDE vs. SPICULES + PEPTIDES]

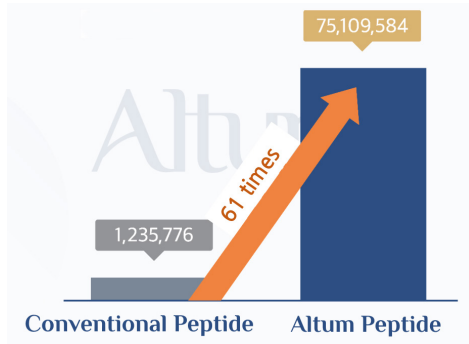
In this comparative analysis, ALTUM™ PEPTIDE was evaluated against a conventional formulation combining spicules and peptides. To ensure a fair comparison, ALTUM™ PEPTIDE (at 0.5% concentration) and the conventional spicule + peptide combination (at 5% peptide concentration) were adjusted to similar peptide concentrations.



Skin density: Altum™ Peptide outperformed the conventional formulation with a **9.25% improvement** compared to the 2.39% improvement seen with the spicules + peptides combination.

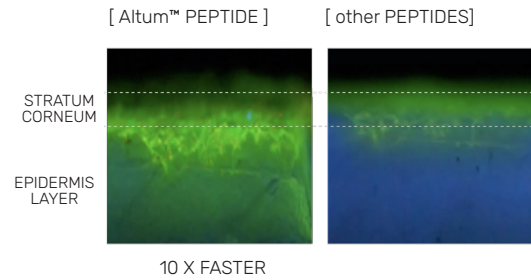


Fine lines: Altum™ Peptide also showed a greater degree of improvement in fine lines, with an **8.66% improvement** compared to the 4.98% seen with the conventional spicule + peptide formulation.



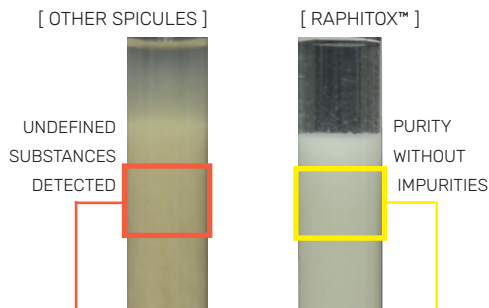
[Altum™ PEPTIDE vs. OTHER PEPTIDES]

According to third-party tests conducted by the Korean Institute of Dermatology, ALTUM™ PEPTIDE has shown a **60-fold higher** skin penetration rate than standard peptides. It also works intensively on areas with fine lines and wrinkles.



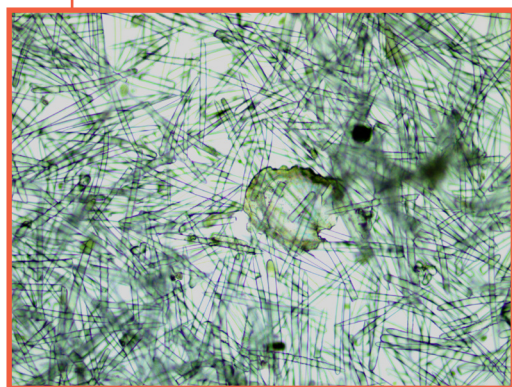
[RAPHITOX™ vs OTHER SPICULES]

RAPHITOX™ bio microneedles are close to **99% pure**, single-component in the form of a white powder. RAPHITOX™ are essentially intact spicules, typically 200 to 300 microns long, that can reach the basal layer of the skin and promote self-healing and regeneration of skin cells.



They are very different from products based on sea grasses, algae or corals, where the needles are broken and damaged, the content of only these is around 20-50%, and the surface of the spicules is covered with a large number of planktonic microorganisms and other impurities.

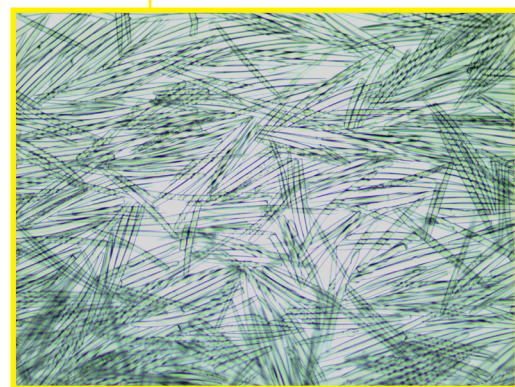
*These products are usually in the form of a gray, gray-green or brown powder with a fishy smell. These impurities can be dangerous to the skin and cause irritant contact dermatitis (ICD), allergic contact dermatitis (ACD), photosensitivity induced dermatitis (PDI), cosmetic-induced acne and cosmetic skin pigment abnormality.



BIO MICRONEEDLES BEFORE CLEANING



PATENTED 9 - STEP PURIFICATION PROGRAM



RAPHITOX™ BIO MICRONEEDLES AFTER CLEANSING

PEPTAXEL™ premium concept adaptable to different indications

STEP 1 | PEPTAXEL™ POWDER



INTENSIVE POWDER SOLUTION

Anti-Aging and Regeneration

Fight the signs of aging with our Intensive Solution Powder. Harnessing the power of Altum™PEPTIDE, this blend directly targets the signs of aging, reducing redness and smoothing wrinkles. Niacinamide brightens, adenosine energizes skin cells for a youthful appearance, and biotin supports skin health so your complexion is revitalized and supple.

ALTUM™ PEPTIDE

NIACINAMID

ADENOSINE

BIOTIN

Removing unnecessary dead skin cells and impurities

Wrinkle reduction and lifting care

Improvement of freckles and blemishes



TR-TROUBLE POWDER SOLUTION

Trouble and balancing

Find your way to clear, soothed skin with our unique formula. RAPHITOX™ tackles redness and puffiness, while Altum™PEPTIDE technology protects and restores your skin's natural defenses. With low molecular weight hyaluronic acid to deeply hydrate and restore, and allantoin and betaine to soothe and balance hydration, our blend is your ally for healthy, glowing skin.

ALTUM™ PEPTIDE

HYALURONIC ACID

ALLANTOIN

BETAINE

Removing unnecessary dead skin cells and impurities

Improvement of acne and scars

Removing excess sebum



STEP 2 | ACTIVATOR SERUM



REGENERATING CONCENTRAT

Regenerating and calming

Rejuvenate and soothe your problematic skin with Regen solution. PDRN helps with skin regeneration and damage, while Ectoin protects against environmental stressors. An amino acid complex stimulates the skin's natural repair mechanisms, while glutathione, a master antioxidant, calms the skin and fades away imperfections for a renewed, even appearance.

PDRN

ECTOIN

AMINO ACID COMPLEX

GLUTATHIONE

Regeneration and improvement of elasticity

Soothing and protecting sensitive skin

Reduction of fine lines and slowing of aging



BRIGHTENING CONCENTRAT

Brightening and Tone-Up

Brighten and even out skin tone with a brightening concentrate. VIT 12 revitalizes and nourishes, Arbutin targets dark spots for a brighter complexion, and Cystoseria tamarisolia extract fights dullness. This powerful glutathione-enhanced formula gives your skin a radiant, healthy glow while tackling uneven pigmentation.

VIT 12

ARBUTIN

CYSTOSERIA TAMARISOLIA

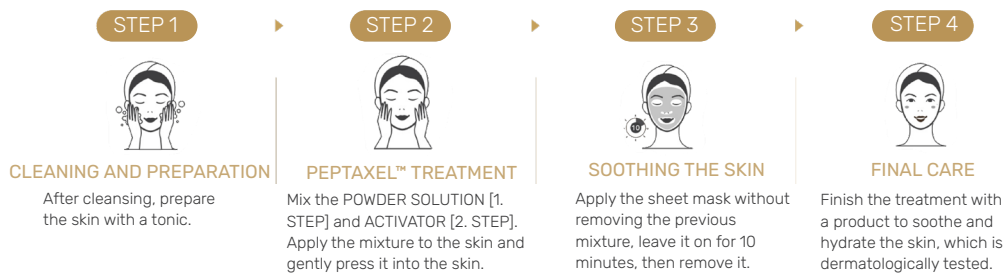
GLUTATHIONE

Improving the skin's natural glow

Improvement of pale and uneven skin tone

Improvement of skin spots and dark circles

Personalized programs in 2 steps for ideal dermoesthetic results



Altum™ PEPTIDE clients program

HOME USE OF PROVEN Altum™ PEPTIDE MATERIAL HAS EXTRAORDINARY RESULTS IN IMPROVING WRINKLES, PORES AND SKIN ELASTICITY

unprecedentedly
60_x
HIGHER
ABSORPTION

IDENEL wrinkle care products contain the patented ingredient 'Altum™ Peptide'. the combination of microneedles and highly effective peptides in 'Altum™ Peptide', extracted from the ocean, penetrates the skin, replenishes it with elasticity and creates firm and healthy skin. Experience skin transformation proven in seven human trials*, including wrinkle improvement.

IDENEL

ALTUM PEPTIDE
SOLUTION
CREAM
ALTUM

60_x
ABSORPTION

-17,15%
WRINKLES

+27,76%
ELASTISITY

*Result of a 6-week clinical trial of Altum™PEPTIDE by the Korea Research Institute of Dermatology



BOOSTER
SKIN
WHITENING

1



BOOSTER
INTENSIVE
HYDRATION

2



WRINKLE CARE
ALTUM™PEPTIDE
SOLUTION
CREAM

3



TONE UP CARE
CONCENTRATED
CREAM

RAPHITOX™ bio-microneedles in an intensive home program

DELIVERED DEEP TO THE SURFACE OF THE SKIN VIA THE GENTLE RAPHITOX™ CARRIER DERIVED FROM SEA SPONGE EXTRACT, THIS INNOVATION REPRESENTS THE WORLD'S FIRST PATENTED BIOTECHNOLOGY. BY CAUSING MICRO-IRRITATION AND CREATING MICRO-CHANNELS IN THE SKIN, RAPHITOX™ IMPROVES BLOOD CIRCULATION, IMPROVES WRINKLES AND SKIN TONE, INCREASES ELASTICITY, SPEEDS UP REGENERATION AND IMPROVES PENETRATION OF ACTIVE INGREDIENTS.



RAPHITOX™ FOCUS CREAM

[MORE THAN 1,280,000 RAPHITOX™ BIO-MICRO NEEDLES]

PREVENTS AGING: wound healing and cell regeneration, anti-inflammatory and reduction of redness, moisturizing and hydration, improvement of skin texture and elasticity and protective antioxidant (copper tripeptide-1, acetyl hexapeptide-8, palmitoyl pentapeptide-4, palmitoyl tetrapeptide-7, palmitoyl tripeptide-1, adenosine, ubiquinone (coenzyme Q10) and lecithin)
ANTIOXIDATIVE PROTECTION: anti-inflammatory and soothing, brightening and improving skin tone, skin hydration and moisturizing, anti-aging and pore tightening and detoxification (Apple Fruit Extract, Prunus Mume Fruit Extract, Papaya Fruit Extract, Grape Extract, Japanese Camellia Flower Extract, Raspberry Fruit Extract, beet root extract, acerola fruit extract, Punica Granatum fruit extract, cranberry fruit extract, tomato fruit extract and Capsicum Annuum fruit extract)
MOISTURIZES AND LIFTS THE SKIN: (hyaluronic acid, sodium hyaluronate, sodium hyaluronate crosspolymer, hydrolyzed hyaluronic acid, hydroxypropyltrimonium hyaluronate, sodium acetylated hyaluronate, hydrolyzed glycosaminoglycans, propanediol and allantoin)

It provides enhanced penetration of active ingredients, activation of skin renewal and provides lifting and tightening benefits. It also softens the complexion and texture of the skin, reduces deep wrinkles and folds, and accelerates blood circulation and the production of procollagen and elastin.

RESULTS

IDENEL RAPHITOX™ GOLD LINE



RAPHITOX™ ACTIVE SERUM

[MORE THAN 200,000 RAPHITOX™ BIO-MICRO NEEDLES]

DEEP HYDRATION: Experience the moisturizing power of low-molecular hydrolyzed collagen water and 8H complex (hydrolyzed collagen, hyaluronic acid, sodium hyaluronate, sodium hyaluronate cross-polymer, hydrolyzed hyaluronic acid, hydroxypropyltrimonium hyaluronate, sodium acetylated hyaluronate, hydrolyzed glycosaminoglycans), propanediol, polyglutamic acid).
SOOTHES AND RESTORES: Provides immediate relief from skin irritation and repairs UV damage (retinyl palmitate, arginine, allantoin, betaine, horse chestnut seed extract, calcium pantothenate, linoleic acid, methionine, histidine, biotin).
PREVENTS AGING: Focused treatment of deep wrinkles and fine lines, strengthening the skin's self-renewal process (adenosine, acetyl hexapeptide-8, palmitoyl pentapeptide-4, hexapeptide-2 and tocopheryl acetate).
LIGHTENING: Improve your skin tone with a clearer, brighter complexion with clinically proven whitening agents (niacinamide, magnesium ascorbyl phosphate and serine).

SERUM WITH 50% HYDRA MICROCAPSULES

[INTENSIVE RENEWAL SERUM SPF50+ PA++++]

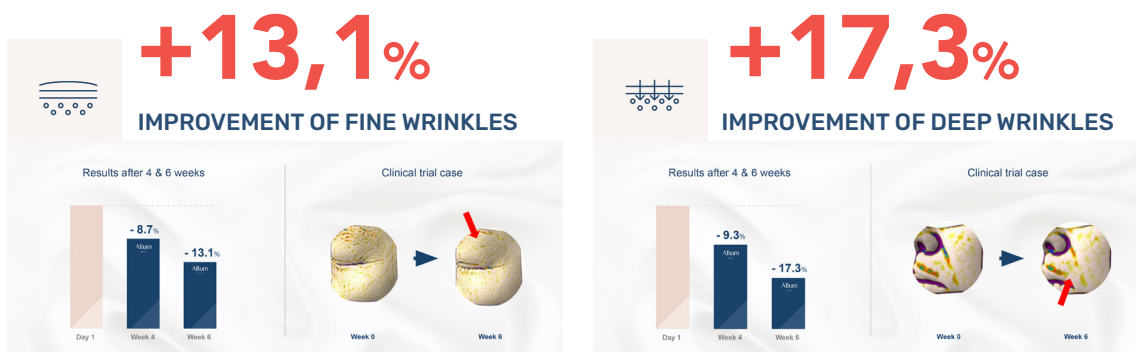
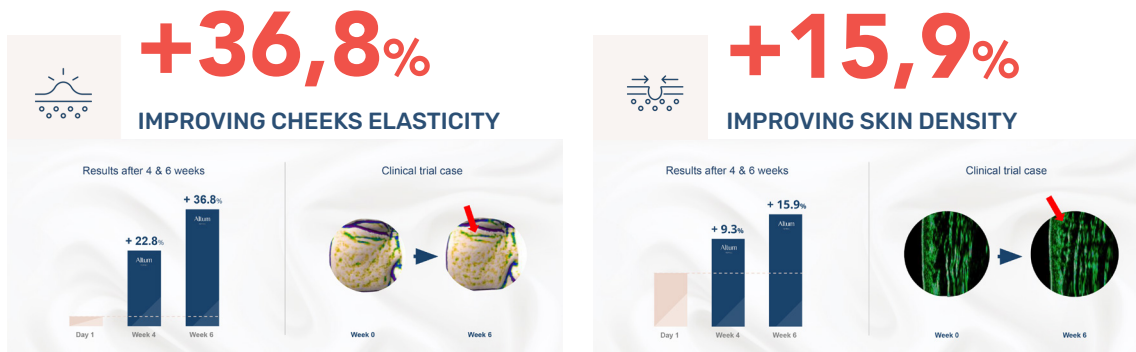
The intensive serum uses a special 'encapsulation technology' in the production process instead of adding capsules separately. When UV blockers and active ingredients are encapsulated, they aid in efficient absorption upon contact with the skin and provide a unique application sensation.



INTENSIVE MOISTURE: With more than 50% moisture content in its base, it provides an immediate feeling of hydration on contact with the skin and quickly soothes sensitive skin thanks to comfortable care procedures.
STRENGTHENING THE SKIN BARRIER: Ceramide ingredients strengthen the renewal of the skin barrier and help form a protective skin barrier.
RENOVATION OF DAMAGED SKIN: PDRN (polydeoxyribonucleotide) ingredients enable rapid healing of wounds caused by external irritation.
IMPROVING TONE: Glutathione ingredients lighten and improve skin tone and make it more radiant.
PROTECTION AGAINST BLUE LIGHT: Contains ingredients that effectively protect the skin from blue light.

Clinical testing: Korea Research Institute of Dermatology

RESULT OF A 6-WEEK CLINICAL TRIAL WITH ALTUM™ PEPTIDE TECHNOLOGY



[COLLAGEN PRODUCTION RATE vs. ALTUM™ PEPTIDE CONCENTRATION]
Higher concentrations of ALTUM™ PEPTIDE significantly increased collagen production: at 8ppm, ALTUM™ PEPTIDE caused a 153.4% increase compared to the 100% control group.



PO 1 TRETMAJU PEPTAXEL™



PO 2 TRETMAJIH PEPTAXEL™



PO 2 TRETMAJIH PEPTAXEL™



PO 2 TRETMAJIH PEPTAXEL™



AFTER 5 PEPTAXEL™ TREATMENT



AFTER 5 PEPTAXEL™ TREATMENT

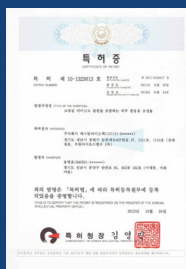


AFTER 1 PEPTAXEL™ TREATMENT



AFTER 1 PEPTAXEL™ TREATMENT

PATENTS for Altum™ PEPTIDE technology by SR biotek



PEPTAXEL professional program

fast, safe and efficient

FOR OPTIMAL RESULTS IN THE SOLUTION OF SPECIFIC SKIN PROBLEMS,
FOLLOW THE INSTRUCTIONS FOR PERFORMING CUSTOMIZED TREATMENTS SAFELY

STEP 1



SKIN PREPARATION

- Gently remove impurities from the treated area with a facial cleanser
- After cleansing, use a cotton pad sufficiently soaked with toner to remove any remaining residue on the face and improve skin texture

STEP 2



TREATMENT OF THE AREA | PEPTAXEL™ PROCEDURE

- Open the caps of the vial STEP 2 [concentrate] and vial STEP 1 [powder solution].
- Pour the ampoule vial [STEP 2] into the powder vial [STEP 1] and mix them. Stir thoroughly with a spatula until the powder is completely dissolved. Then install the funnel and firmly attach it to the vial.
- Apply the mixture to the skin, starting from the jaw line -> cheeks -> nose -> forehead (be careful around the eyes and mouth). Pay particular attention and massage areas where there is a lack of elasticity or wrinkles, such as nasolabial folds and wrinkles around the eyes.

* Do not apply the ampoule to the entire face at once. Apply a small amount to the area and massage in immediately. * Press with your fingertips during the massage to ensure that the "Altum™ Peptide" penetrates well into the skin. * Rubbing the skin with this product may cause irritation and scratching. Please do not rub; press with your fingers instead

STEP 3



SOOTHING THE SKIN

- Apply the sheet mask without removing the previous mixture (Peptaxel), leave it on for 10 minutes.
- After 10-15 minutes, remove the mask and gently blot any residue on the skin with the outer surface of the mask.

* Vigorous rubbing may irritate the skin. Please pat gently.

STEP 4



FINAL CARE

- After the soothing care, apply a generous amount of regeneration cream containing PDRN to the face
- Apply a serum with a protective factor (sun protection products) containing regenerative ingredients evenly to the face.

TREATMENT INTERVAL | ON EVERY **1-2 WEEKS** X WITHIN **3-5 TREATMENTS**

REPEAT CYCLE | RENEWAL TREATMENT ON **2 MONTHS** X IN 1 YEAR **5 TREATMENTS**

VIDEO GUIDE 

Safety of Altum™ PEPTIDE products manufactured by SR biotek

Korea is one of the leading countries in the beauty and cosmetics industry thanks to the known strictest standards of good manufacturing practice and technological advances. It is incredibly famous for its innovation and quality. SR biotek uses its own state-of-the-art quality control equipment to analyze cosmetic ingredients and test toxic substances. Their Quality Management System (QMS) includes a strict step-by-step quality control process for raw materials and finished products. SR biotek has a GMP ISO22716 certificate and is registered with the FDA and Health Canada.



ALTUM™ PEPTIDE has passed various safety tests including:
 - Human Repeat Insult Patch Test (HRIPT); This is crucial to determine the risk of sensitization and irritation
 - EpiOcular Eye Irritation Test (EIT); The test evaluates the product's potential for eye irritation, which is especially important for facial products
 - AMES test; This determines the genotoxicity of a product and is a broad indicator of its safety for human use

[*RECOMMENDATIONS REGARDING FOLLOW-UP CARE]

- 7 days after the procedure, old dead skin cells will be exfoliated and skin regeneration will be activated. During this period, pay special attention to skin care.
- Temporary redness, warmth or itching may occur during the skin improvement process.
- Avoid heavy make-up on the day of the procedure and the following day.
- When you go out, pay attention to sun protection. Frequent application of [IDENEL Intensive Repair Daily Sun Serum] is recommended.
- Apply IDENEL Altum™ Peptide products generously in the morning and evening for effective regeneration
- For 3 days after the procedure, spray the skin frequently with moisturizing boosters to ensure sufficient hydration. The skin may become very dry.
- For 5 days after the procedure, avoid activities that can cause facial redness, such as drinking alcohol, saunas, or intense exercise.
- Flaking and itching may occur as the dead skin is sloughed off. However, do not forcefully peel the skin or scratch it, as this may irritate the skin.
- After treatment with the Peptaxel™ program, we recommend that you do not use products containing microneedles or solutions based on AHA and BHA for 72 hours (3 days), as Altum™ Peptide remains active on your skin for another 72 hours.



www.bio-microneedling.com



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The general importer and distributor for SR bioket is the company SKINZZO LAB d.o.o., Ulica vilka Kledeta 15, Postojna