

Global Biorigenerative program



PEPTIDYAL 115

BIO-RESTRUCTURING TREATMENT

mature skin

suggested amount of serial treatment

month

3	1
2	2
2/1	3
1	4
1	5

young skin

suggested amount of serial treatment

2
2/1
1
1
1

Global Purifying program

PEPTIDYAK C10

Hi TECH ANTI ACNE TREATMENT

young skin

for all types of acne
suggested amount of serial treatment

month

2
2/1
1
1
1



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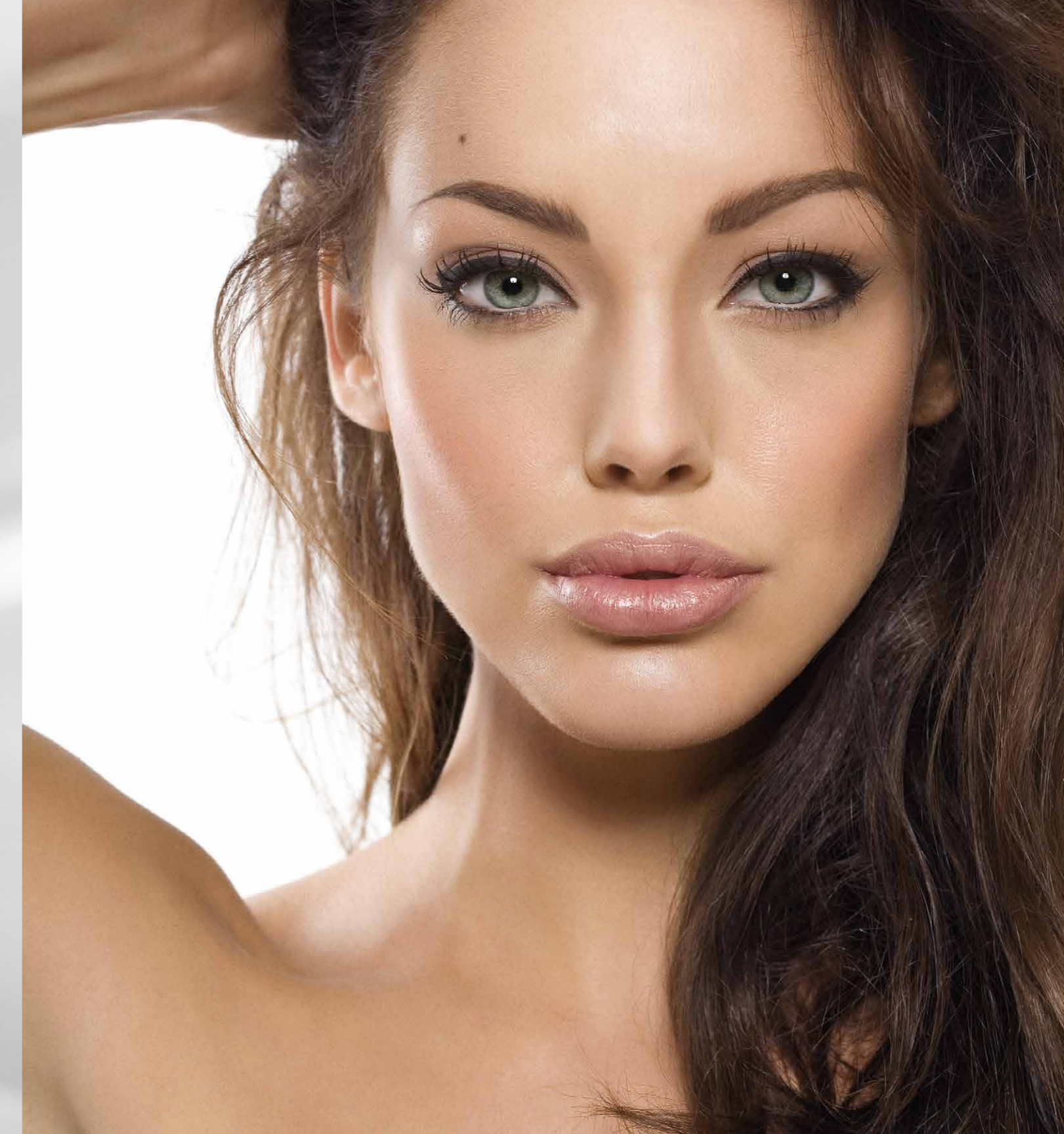
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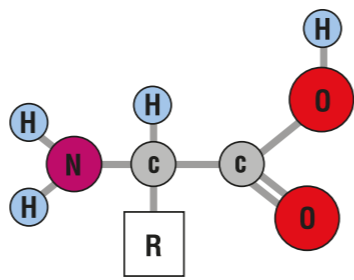


PEPTIDYAL 115
BIO REGENERATIVE FORMULA

PEPTIDYAK C10
SKIN PURIFYING FORMULA



In modern chemistry, precursors and amino acids assume a fundamental role thanks to their broad availability and their wide range of action that is part of many biochemical processes.



Scientific research is increasingly oriented towards the study of new formulation technologies in order to achieve biostimulants able to interact with the physiology of the skin, which combine high efficiency and high tolerance.

Panthenol has an anti-inflammatory, protective and moisturizing action, helping to restore and maintain the skin's natural hydration, making it smooth and velvety.

Vitamin H (biotin) is present for its ability to rebalance epidemic density, as well as **niacinamide (vitamin PP)** fights acne with its balancing action given by the sebum-regulating and anti-inflammatory properties, excellent for the intensive treatment of dermatitis and scaly skin, especially if caused by temporary imbalances, moreover, among the most important components of Peptidyak C10 there is a new complex of active ingredients from organic synthesis including **azelamidopropyl dimethyl amine, water, and 1,3-butylene glycol ("EPI-ON")**, which aims to improve the skin homeostasis prone to acne and skin lesions, effectively reducing inflammatory acne, inhibiting the growth of bacteria, reducing DHT and the inflammatory response.

TYPES OF ACNE



Pre-face: types of acne-prone skin

Acne can manifest itself in three stages:

◆ **PHASE 1:** involves the overproduction of sebum by the sebaceous glands which causes that tiring shiny halo.

◆ **PHASE 2:** in this phase, acne-prone skin develops a common nightmare for many women, "blackheads" or comedones. In this situation the sebum clogs the pores generating a kind of plug that favors the formation of blackheads and whiteheads.

◆ **PHASE 3:** the most severe. Caused by a bacterium called Propionibacterium acnes, naturally present on the epidermis, but in the case of excess sebum generates inflammation, favoring the appearance not only of comedones, but also pimples with pus.

What is **PEPTIDYAK C10** ?

Peptidyak C10 is an innovative and complete synergic formula projected exclusively as a treatment for all types of acne.

Hyaluronic acid has double molecular weight; medium and low, to act with maximum effectiveness in the layers of the superficial and medium

Zinc gluconate is used for its important antiseptic and astringent properties, widely used for acne treatment, for its ability to accelerate wound healing, helping the body to transform the essential fatty acids used by the skin for repair.

Vitamin B6 (Pyridoxine) interferes with the skin fats metabolism, regulating sebum excretion, furthermore, the healing action is very important due to the presence of amino acids such as **proline, hydroxyproline, glycine, lysine, arginine, valine, leucine** and **glutamine**, all substances whose role they play in the skin regeneration process is known, allowing the synthesis of collagen to be increased in certain doses and thus accelerating the repair of damaged epidermis.

Calendula together with **mountain arnica, glycolic extract of mallow** and **witch hazel** make up a synergy of substances with soothing, antioxidant, antibacterial, astringent and healing properties.



Content: 5 x 5 ml vials



REAL RESULTS

PEPTIDYAL 115

It is useful for hydration and the bio-restructuring of skin that is dehydrated and damaged by ageing and exposure to sunlight.

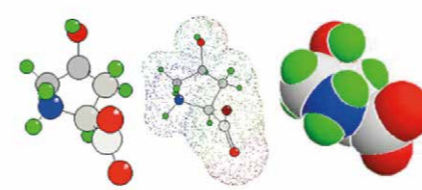
It is indicated for the rejuvenation of the skin, the treatment of stretch marks and as an adjunct of intradermal fillers. Is it part of the protocol of aesthetic Restorative and Regenerative medicine.

Composition:
15mg/ml HA
Proline
Iidroproline
Lysine
Glycine



Content: 5 x 5 ml vials

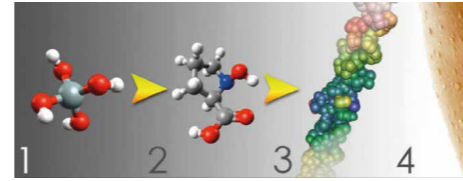
◆ **Hydroxyproline**



A heteracyclic amino acid precursor of proline, the main component of collagen. **Hydroxyproline** differs from proline by the presence of a hydroxyl (OH) group attached to the C (gamma) atom.

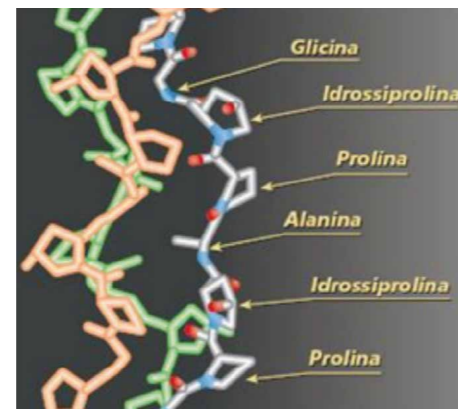
Hydroxyproline is an important component of the protein collagen; together with proline, they play key roles in collagen stability, permitting the sharp twisting of the fibre helix.

◆ **Proline**



The amino acid **proline** is the main constituent of collagen and elastin stabilising proteins. More than 10% of the elementary particles of collagen molecules are composed of proline alone. It is an important amino acid for the regeneration of the skin and tendon structures. The amino acid proline is a main component of the structural proteins of the body, collagen and elastin. From a quarter to a third of collagen reinforcement rods, for example, are made of praline.

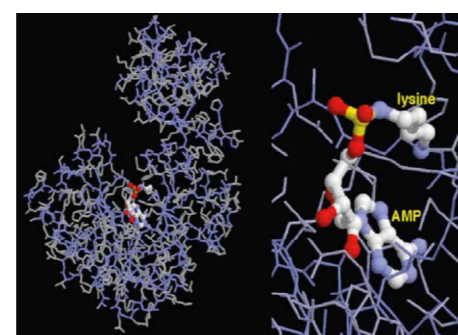
Trapoelastin is composed of long Gly-rich helices separated by short stretches of Lys and Ala. The two subunits are linked together by means of crosslinking, which confers bi- and tri-dimensional elasticity.



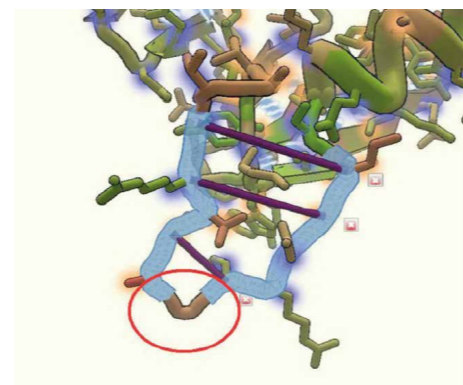
◆ **Lysine**

Lysine is an essential amino acid (the human body is unable to synthesize it, so it can only be ingested already preconstituted with food).

Lysine is present mainly in foods that provide proteins of animal origin. It inhibits the growth of viruses and produces L-Carnitine, which improves stress tolerance, fat metabolism, has anti-fatigue action, promotes bone growth by helping the formation of collagen, the fibrous protein which makes up bones, cartilage and other connective tissues and helps the body absorb calcium.



◆ **Glycine**



It is a non-essential amino acid present in small quantities in the vast majority of proteins that are found in tendons and muscles; it makes up about one third of the collagen structure. **Glycine** is required to build proteins in the body and for the synthesis of nucleic acids, the construction of RNA, DNA, and other amino acids of the body.

REAL RESULTS



IMMEDIATELY RESULTS ONE SESSION

AFTER ONE SESSION ONE WEEK LATER

◆ Ageing is associated with changes in the molecular structure of DNA, proteins and lipids. The accumulation of these structural changes forms the basis of cellular ageing.

◆ **HOW CAN WE INTERVENE TO HINDER THE PROCESS OF SKIN AGEING?**

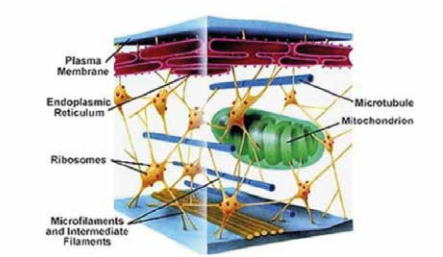
- ◆ Maintain the skin moisturised with the aid of substances able to capture water at the surface level (stratum corneum)
- ◆ Restoration of the functionality of the dermis
- ◆ Increase of collagen fibres and fundamental substance
- ◆ Increase of the functionality of elastic fibres
- ◆ Prevent the formation of FREE RADICALS by reducing oxidative stress, which can damage both lipid (cell walls) and hydrophilic (cytoplasm, pratein structures and DNA) structures
- ◆ Improvement of skin tone
- ◆ Attenuation or disappearance of wrinkles
- ◆ Disappearance of pigmentation

◆ **STRUCTURAL PROTEINS:**

Collagen and Elastin

Collagen consists of polypeptide chains, referred to as chains, which are closely intertwined with each other to form a compact superhelix. The primary structure of the individual chains comprises aver 1400 amino acids and is characterized by the repetition of many triplets of the sequence: glycine, proline, hydroxyproline (ProHyp-Gly)n.

Elastin is a fibrous protein composed of two subunits of polypeptides, called trapoelastin.



◆ **Bio-Restructuring,** using hyaluronic acid, amino acids and vitamins, offers substances that only provide moisturise and feed the cells of the dermal tissue, without, however, improving the activity of the extra-cellular matrix.

What is **PEPTIDYAL 115** ?

Peptidyak 115 is the result of an innovative scientific study aimed at the development of a Bio Restructuring product able to actively support the physiological functional recovery of the skin, and in particular of the extracellular matrix. Peptidyak 115 can stimulate fibroblasts through the use of precursors and amino acids to produce collagen, elastin and hyaluronic acid and slow down the catabolic metabolism with scavenger action on oxidative stress, in particular on Reactive oxygen species (ROS) and Reactive nitrogen species (RNS). It also reactivates biological repair and tissue regenerative processes.