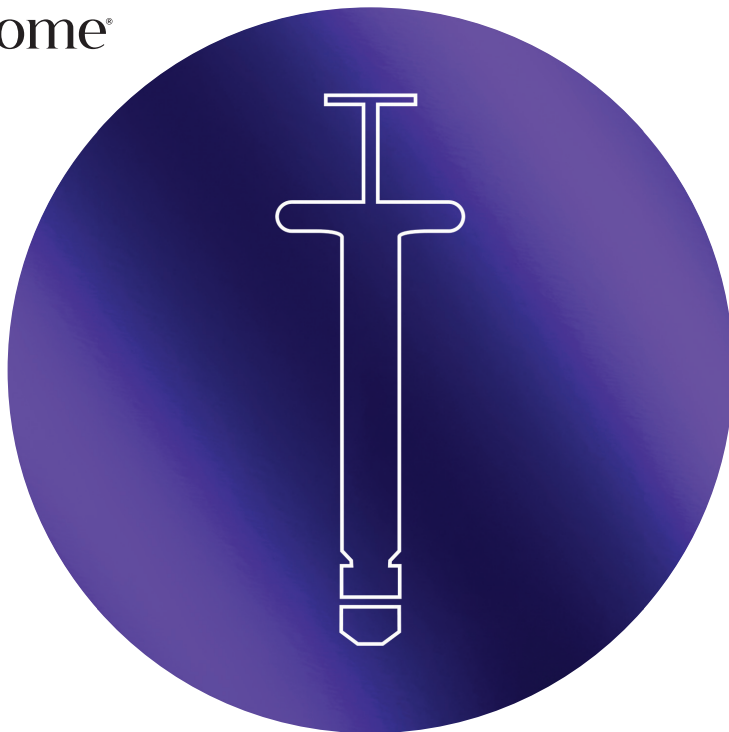




venome®



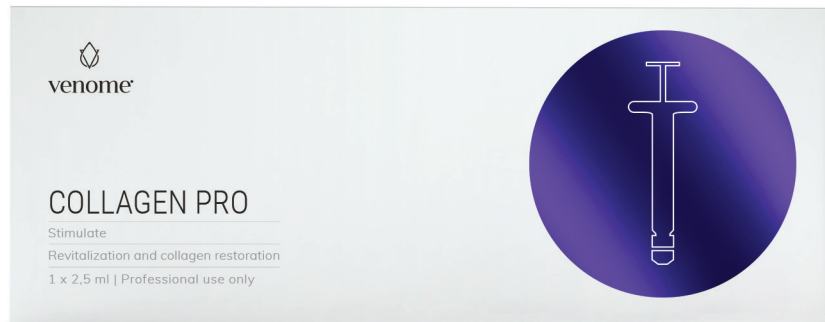
VENOME STIMULATE **COLLAGEN** PRO

REVITALIZATION AND COLLAGEN RESTORATION

VENOME STIMULATE COLLAGEN PRO

An advanced stimulating formulation designed to effectively improve skin density, firmness and hydration. Containing **collagen**, **polynucleotides** and **hyaluronic acid**, it intensively supports the rebuilding of skin structures while enhancing elasticity. **The antioxidant complex with resveratrol, glutathione and niacinamide** protects the skin against oxidative stress and helps to even out skin tone, reducing the visibility of discolouration. This product restores a healthy skin appearance, improves skin tension, and effectively delays the onset of visible signs of ageing.

Venome Stimulate Collagen Pro contains next-generation **recombinant type III collagen**, obtained through **bioengineering** using **Saccharomyces cerevisiae yeast**. Its production process is based on **patented fermentation** and **sequencing technology** supported by artificial intelligence, enabling the selection of the most **active protein fragments** from over a thousand tested configurations. **Pharmaceutical-grade purity, exceptional biocompatibility and superior structural stability** of the raw material ensure its effectiveness and safety in aesthetic applications., ensuring its efficacy and safety in aesthetic treatments.



Type III collagen plays a key role in the physiological **regeneration of the skin**, being a vital component of the **extracellular matrix**, particularly in youthful, elastic tissue. In this formulation, it is responsible for actively **stimulating fibroblasts**, enhancing **cell proliferation and the synthesis of new structural fibres**. The result is improved **skin density**, reinforced architecture, and a noticeable **increase in firmness and elasticity**.

The unique sequence of the recombinant protein, composed of **497 amino acids**, contains as many as **11 integrin-binding sites**, further supporting **cell adhesion, migration and intercellular communication**. This enables the product to work not only **reconstructively**, but also **reparatively** and **protectively**. It reduces the expression of pro-inflammatory mediators, supports **the repair of microdamage** and promotes the restoration of **the epidermal barrier**, helping to soothe sensitive skin and improve its overall condition.

This formulation is particularly suited to anti-ageing, regenerative, and skin restoration protocols following intensive aesthetic procedures.

APPLICATION

Face, neck, décolletage, hands – a course of 4–6 treatments is recommended, spaced at 14–21-day intervals.

INDICATIONS

Dry, dehydrated skin

Skin laxity and loss of volume

Visible signs of skin ageing

Hyperpigmentation and uneven

Dull, lacklustre complexion

Weakened skin barrier

Prevention of ageing and improvement of elasticity

The inclusion of **fragmented hyaluronic acid** provides strong **skin-stimulating properties at the cellular level**. Its key mechanism involves activation of the **CD44 receptor** present on fibroblasts. This intensified activity triggers **faster cell division** and **high-efficiency skin regeneration** through the production of **type III collagen**, often referred to as “youth collagen”. Enhanced synthesis of this collagen **drives extracellular matrix remodelling**, delivering **denser, more resilient skin** with a visibly **reinforced structural framework**.

Effective stimulation of this receptor requires **fragmented hyaluronic acid of 20–40 monomers in length**. This precise structure guarantees **maximal activation of the signalling pathway**.

Binding of hyaluronic acid to the receptor initiates **a cascade of cellular signals** that stimulate fibroblasts to **increase their activity and intensify collagen synthesis**. This mechanism makes the product a valuable component in **anti-ageing therapy** and in **revitalizing skin requiring structural rebuilding**.

One of the key ingredients in the formulation is PDRN – DNA fragments with powerful regenerative and anti-ageing properties. Composed of **purines and pyrimidines, nitrogenous bases essential for DNA synthesis**, PDRN effectively **stimulates cellular renewal** and supports the **skin’s repair processes**. It stimulates fibroblasts to produce **type I collagen**, improving **tissue elasticity, firmness** and overall condition. It also enhances micro-circulation, creating favourable conditions for regeneration, including in vascular-prone skin. In addition, polydeoxyribonucleotides increase the synthesis of elastin, hyaluronic acid and glycosaminoglycans, resulting in **better skin hydration** and **visible firming**.

PDRN has **antioxidant properties**, protecting cells from **oxidative stress** and the harmful effects of UV radiation, while accelerating **epidermal healing and reconstruction**, enabling the skin to regain a healthy, radiant appearance more quickly.



The **antioxidant complex** combining **resveratrol**, **glutathione** and **niacinamide** in **Venome Stimulate Collagen Pro** is an advanced formulation that not only effectively **protects the skin against oxidative stress** but also **helps to reduce discolouration, improve skin tone** and restore its **natural protective barrier**.

- **Resveratrol** is a multi-functional ingredient, best known for its potent **antioxidant** activity. It helps neutralise free radicals, reducing oxidative stress and damage caused by environmental factors. It also has anti-ageing effects, including **stimulating collagen production**, a protein essential for maintaining optimal skin structure and elasticity. Additionally, it influences the synthesis of glycosaminoglycans, which are crucial for **skin hydration**, making it particularly valuable in **therapies for dry, sensitive skin**. Resveratrol also inhibits glycation, **protecting collagen and elastin fibres from degradation**.
- **Glutathione** is a natural tripeptide (comprising cysteine, glutamate and glycine) that plays a key role in **protecting cells from oxidative stress, toxins and free radical damage**. Its ability to regenerate oxidised forms of vitamins C and E strengthens the skin's natural defence mechanisms and prolongs the activity of other antioxidants. It supports **repair processes** and **cellular regeneration**, and **has anti-inflammatory properties** that improve the condition of sensitive and reactive skin. Importantly, glutathione influences melanogenesis – it **inhibits tyrosinase activity** and shifts melanin production towards lighter pheomelanin, resulting in a brighter, more even skin tone. By reducing oxidative stress, it helps prevent pigmentation disorders, including melasma.

- **Niacinamide** is the active form of vitamin B3, which inhibits the transfer of melanosomes from melanocytes to keratinocytes, thereby reducing melanin deposition and slowing the process of melanogenesis. This effectively **evens out skin tone** and **diminishes the visibility of discolouration**. It also strengthens the **hydrolipid barrier**, retaining water in the epidermis and reducing transepidermal water loss (TEWL). Niacinamide has potent **antioxidant** and regenerative properties, improving overall skin condition and protecting it against environmental damage.

With age, collagen, glycosaminoglycan and hyaluronic acid levels in the skin gradually decline, leading to loss of firmness, elasticity and hydration. **Venome Stimulate Collagen Pro** addresses these concerns through the intelligent combination of modern, biologically active ingredients with proven efficacy.



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