

EMULSION CORPS VIP O₂

TREATMENT STAGE

Product description: A long-lasting oxygenating and hydrating emulsion for the body.

Skin Instants: All Skin Instants.

Ideal for sensitive, devitalized and very dehydrated Skin Instants.

Available sizes and package descriptions:

Public size: 150ml spray bottle

Cabin size: 500ml pump bottle

1/ Biologique Recherche's analysis

I/ Skin

Skin is made up of three distinct layers.

From the inside to the outside, there is the hypodermis, the dermis and then the epidermis.

- The hypodermis is the deepest layer of the epidermis. This adipose tissue provides storage and protection.
- The dermis is the skin's middle layer. This connective tissue is made up of an extracellular matrix that forms a kind of structural gel for the dermis. It is secreted by a special type of cells called fibroblasts.

This extracellular matrix is made up of a base substance (primarily composed of glycosaminoglycans, which retain water, such as hyaluronic acid) and various fibres (collagen, elastin).

The dermis contains a lot of water, which can pass into the epidermis in order to hydrate it.

- The epidermis is the most superficial layer of skin. It is divided into multiple layers:

The Stratum Corneum, the outermost layer of the epidermis, plays an important role in water retention.

Indeed, within this layer, three elements contribute to maintaining the proper level of hydration:

- Intercorneocytary lipids,

- NMFs (Natural Moisturizing Factors),

- Hydrolipidic film.

- Intercorneocytary lipids limit water evaporation. They prevent transepidermal water loss through their hydrophobic properties.
- NMFs (Natural Moisturizing Factors) keep water in place thanks to their hygroscopic properties or through chemical bonds.

- Hydrolipidic film is a protective film. This mix of sebum and water acts as an external barrier which keeps water locked inside the skin so it can maintain its suppleness. It also helps fight against harmful microorganisms.

The skin's ecoflora also helps fight against harmful microorganisms. These microorganisms, which live on the skin's surface, form a protective microbiological barrier. The microorganisms that are present prevent the proliferation of undesirable microorganisms in the following ways:

- By competing for the available space and food: the resident microorganisms prevent colonization of the skin by harmful bacteria,
- By secreting molecules (acids, lipases) which prevent or limit the development of other harmful microorganisms,
- By helping to strengthen the immune system.

The maintenance of this specific flora is essential to skin's structural and functional integrity.

These different compounds thus help maintain good skin health and hydration.

II/ Aggressions

Skin is exposed to many aggressions from day to day:

- Weather conditions

In winter, cold air slows the functioning of sebaceous glands. This reduces sebum secretion and the protective hydrolipidic film.

Cold triggers vasoconstriction of the blood vessels in the dermis. This contraction of blood vessels reduces blood flow and the amount of water contained in the blood. These changes disrupt water supply to the dermis, thereby reducing the amount of water that it stores for the epidermis.

In addition, the drier the air, the larger the amount of water that is evaporated. Combined with the failing hydrolipidic film and the reduction of water supply from the dermis, these parameters are responsible for skin dryness in winter.

In parallel to the cold temperatures outside, the interiors of our homes are often excessively heated, which dries out the air and makes the situation worse.

In summer, the same drying phenomenon is produced by air conditioning.

- Cleaning products

Cleaning products and cleansers can lead to a breakdown of the hydrolipidic film. These products denature surface proteins and remove the topmost layer of the Stratum Corneum, bringing the skin flora with them.

These aggressions cause imbalances in the resident microbiological flora. These imbalances can lead to the skin being colonized by pathogenic microorganisms which can cause many different illnesses, infections and irritations.

- Aging

With age, the water levels of the Stratum Corneum are reduced from 13% to around 7% and the sebaceous glands become less active. In addition, the consequences of aging are greater for women than for men. Women's skin tends to get drier and drier after menopause.

III/ Photoaging

UV radiation affects the skin in many different ways.

First of all, most UVB rays are absorbed by the epidermis, where they cause local erythema (sunburn). They also damage the DNA.

UVAs work on a deeper level, in the dermis. They are responsible for collagen breakdown and the release of ROS (Reactive Oxygen Species). These ROS are free radicals and also cause DNA mutations as well as the oxidation of proteins and lipids. All of these changes further increase the damage to DNA.

The accumulation of changes to the DNA leads to premature skin aging. This is characterized by skin thinning, deep wrinkles, skin dryness, uneven pigmentation and a breakdown of the extracellular matrix and the various fibres of the skin (collagen, elastin).

2/ Biologique Recherche's Solution

After all of these aggressions, skin needs to be repaired, hydrated and protected. The hydrolipidic film must be restored so it can properly perform its protective function, the skin flora must be stimulated so that it can actively fight pathogens, and cells must be protected and repaired after the harm caused by UV radiation.

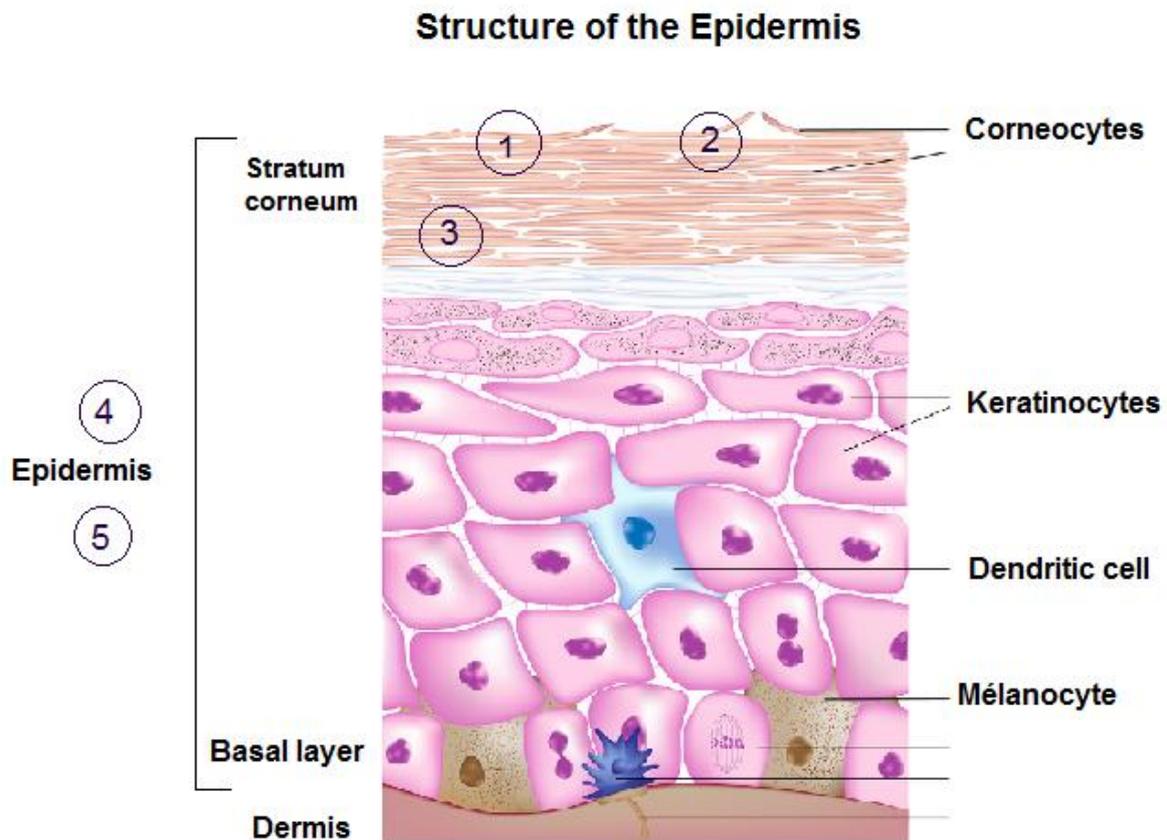
The formula of the **Emulsion Corps VIP O₂** meets all of these needs by providing immediate, long-lasting hydration. Fast and easy to apply thanks to its spray bottle, its fluid, non-sticky and light texture penetrates rapidly so you can get dressed again immediately after it is applied.

Its protective ingredients strengthen the hydrolipidic film and stimulate the growth of the microorganisms living on the skin's surface which guard against harmful bacteria. This allows skin to better defend itself against aggressions.

Thanks to its calming properties, skin is immediately soothed and tensions and discomfort are reduced.

Finally, its oxygenating and anti-free radical ingredients stimulate cellular respiration, fight against free radicals and boost the repair of skin cell DNA, helping combat premature skin aging.

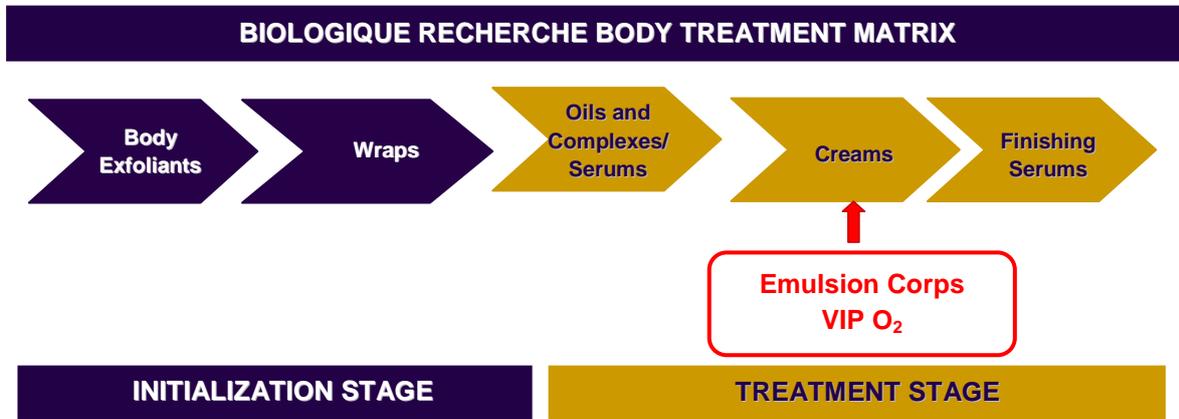
5 areas of action



- ① : Hyaluronic acid and Plant-based polysaccharide form a protective film on the surface of the skin. These two active ingredients are complementary. Through its three-dimensional structure, hyaluronic acid traps water very quickly, ensuring immediate hydration. As for polysaccharides, they have a linear structure which maintains humidity on the skin's surface in order to ensure long-lasting hydration. Scientists have a hypothesis which attempts to explain this long-lasting hydration. They assume that polysaccharides are easily broken down by the enzymes that are found on the surface of the skin. The pieces resulting from this breakdown capture water molecules.
- ② : On the surface, the skin-protecting sugar stimulates the skin's natural defences in order to prevent the development of harmful micro-organisms.
- ③ : Cumaru oil has high fatty acid content and works on the level of the Stratum Corneum.
- ④ : Biologique Recherche Oxygenating Complex works on the level of the epidermis to promote cell respiration. The tripeptide antioxidant works in the nuclei of keratinocytes to repair DNA that has been damaged by UV rays.
- ⑤ : There are nerve endings in the epidermis. When faced with aggressions, they communicate with the keratinocytes, which then release inflammatory molecules such as cytokines, which cause neurogenic

inflammation. The complex of Amino Acids works in the epidermis to reduce this inflammation and cause immediate soothing.

Diagram of the Biologique Recherche Body Treatment Matrix

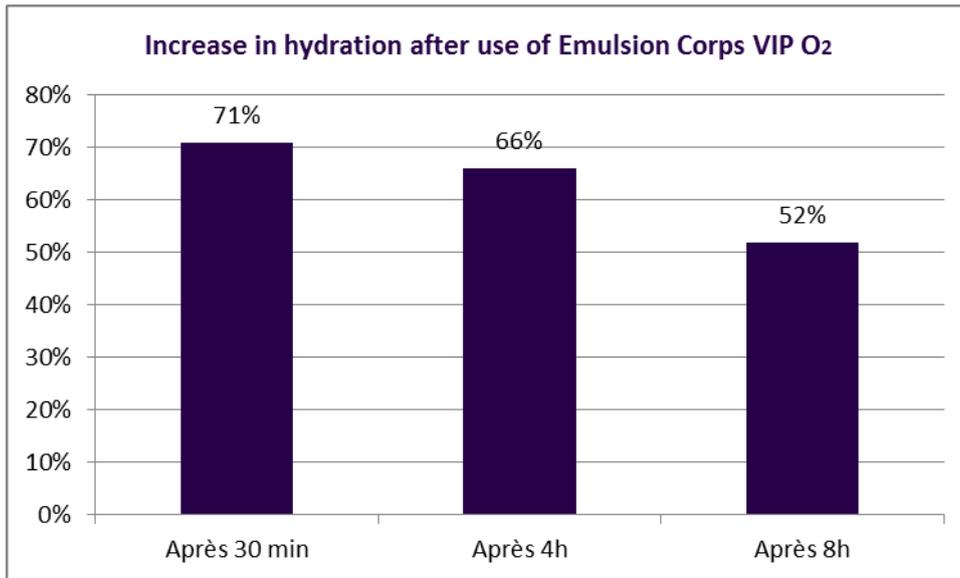


3/Benefits

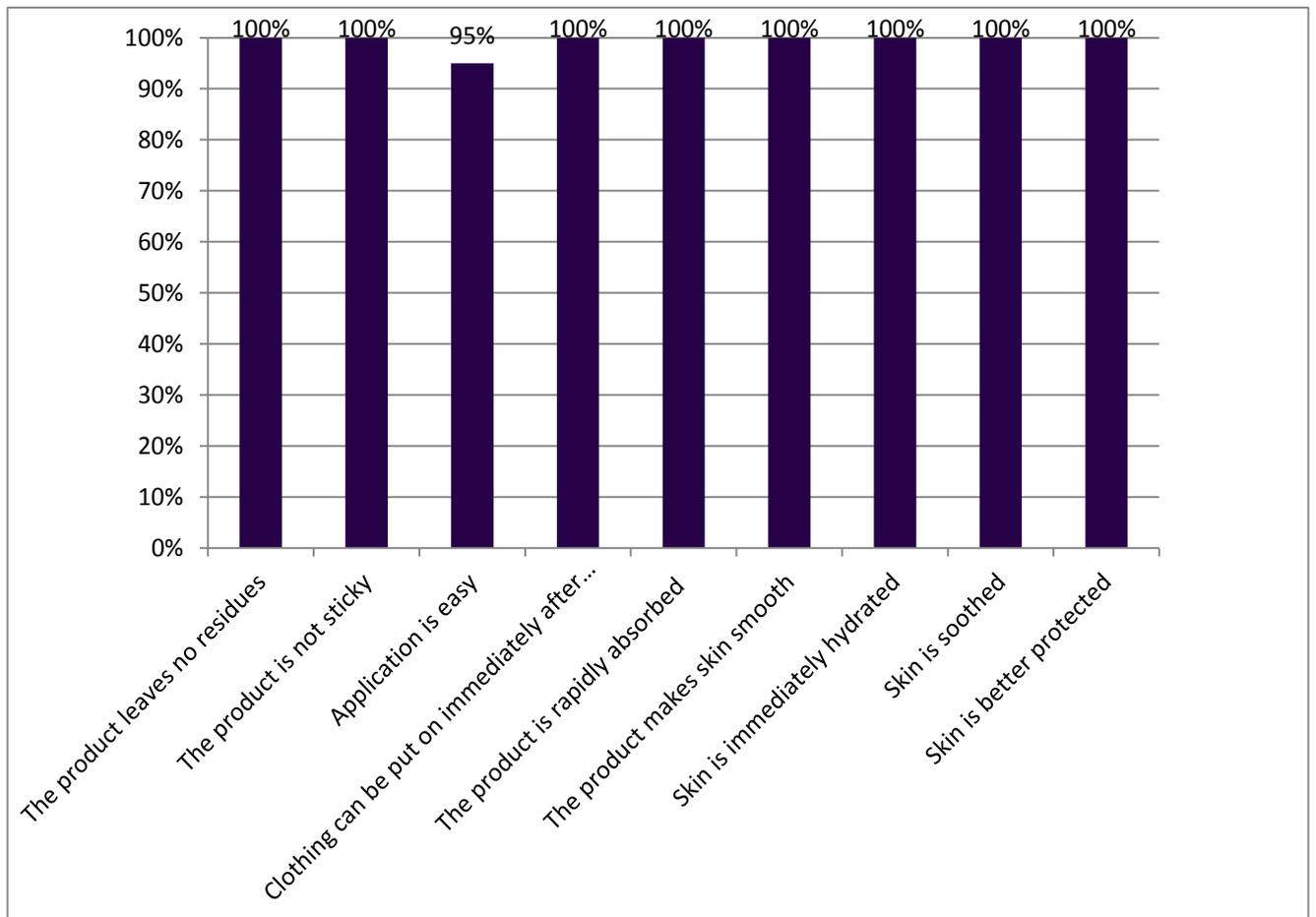
Actions

- Immediate and **long-lasting** hydration of the upper layers of the epidermis.
- Protects skin from daily aggressions.
- Soothes irritation and itching.
- Stimulates skin's natural defenses.
- Participates in cell regeneration and repair.

Effectiveness test The results obtained demonstrate long-lasting hydration of the upper layers of the epidermis.



Usage test*



4/Composition and primary active ingredients

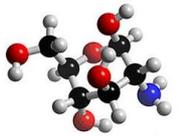
Primary active ingredients: Plant-based Polysaccharides, Hyaluronic Acid, Complex of Amino Acid, Biologique Recherche Oxygenating Complex, Skin-protecting Sugar, Cumaru Oil, Tripeptide Antioxidant.

This treatment's formula has five different areas of action:

1. Hydration

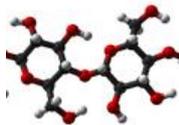
Hyaluronic Acid

Hyaluronic Acid forms the fundamental substance of the dermis together with collagen, elastin and proteoglycans. It plays an essential role in regulating the skin's moisture levels, given its exceptional capacity for water retention. Working like a real "molecular sponge", it absorbs up to 1,000 times its mass in water. Its moisturizing activity is preserved, even in dry atmospheric conditions. When topically applied, Hyaluronic Acid forms a continuous elastic film over the skin. This film is permeable to cutaneous exchanges, retaining moisture and thereby contributing to maintaining good levels in the stratum corneum irrespective of ambient air humidity.



Plant-based Polysaccharide

Obtained from sorbitol from maize and peptone from soya, this polysaccharide produces an immediate and prolonged hydrating action by forming a film on the surface of the skin. Its extra-gentle active base alleviates skin irritation and works in particular on weakened, sensitive and irritable skin.



2. Soothing

Complex of Aminoacids

This is a hexapeptide dedicated to the treatment of sensitive or even allergic skins. It reduces the activity of the PAR 2 protease receptor which is directly involved in the release of inflammatory cytokines. These aminoacids act by limiting neurogenic inflammation, which also helps the reconstruction of the skin barrier. Last but not least, it provides immediate soothing and calms the tingling sensation induced by lactic acid.



3. Oxygenating

Biologique Recherche Oxygenating Complex

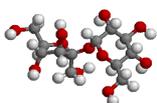
Biologique Recherche Oxygenating Complex boasts exceptional oxygenating properties: in vitro tests show that the Oxygenating Complex clearly stimulates cellular respiration, when cells lack oxygen. These significant results highlight a direct "oxygen carrying / replenishing" effect.



4. Protective

Skin-protective Sugar

This oligosaccharide, obtained by enzymatic synthesis from natural sugars (saccharose and maltose), has a protective and biostimulating action on the skin's natural defenses. Ecocert-certified, this substrate is bioselective for beneficial microbial flora, to the detriment of undesirable and pathogenic flora.



Cumaru Oil

Native to the Amazon, Cumaru Oil is extracted from the fruit of the Cumaruzeiro tree, 40%-45% of the nut being a highly aromatic oil. Cumaru Oil is rich in fatty acids (oleic, linoleic...) with lipid-replenishing and hydrating properties.



5. Anti-free radical

Tripeptide Antioxidant

It is a synthetic peptide with a dual objective: it protects and repairs damaged DNA. It acts as a photoprotector in keratinocytes and dermal fibroblasts by inhibiting the forming of protein carbonyls. It helps prevent the deterioration of DNA in skin cells due to UV radiation and promotes the capacity of the system to repair DNA. This tripeptide antioxidant offers complete protection to minimize the intrinsic and extrinsic effects of aging.



5/ Recommendations for use

*Apply Emulsion Corps VIP O₂ on the body, in the morning and/or evening by gentle ascending massages.
Avoid contact with eyes.*

6/ Main selling points

- A complete, long-lasting hydrating emulsion.
- Protects and stimulates the skin's natural defenses.
- A preventive treatment that combats free radicals which are responsible for (premature) aging.
- Soothes irritations and provides immediate comfort.
- A daily treatment which is easy and fast to apply.
- A light, non-sticky texture that leaves your skin soft and smooth and allows you to get dressed right away.

INCI List:

Water (Aqua), Glycerine, Isocetyl Stearate, Dicaprylyl Carbonate, Butylene Glycol, Perfluorodecalin, Alpha-Glucan Oligosaccharide, Phenoxyethanol, Sodium Hyaluronate, Dipteryx Odorata Seed Oil, Bertholletia Excelsa Seed Oil, Tocopherol, Biosaccharide Gum-1, Rhizobian Gum, Acetyl Hexapeptide-49, Citric Acid, Polyperfluoromethylisopropyl Ether, Cellulose Gum, Microcrystalline Cellulose, Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, Diaminopropionoyl Tripeptide-33, Isohexadecane, C14-22 Alcohols, C12-20 Alkyl Glucoside, Poloxamer 188, Ethylhexylglycerin, Polysorbate-60, Sorbitan Isostearate, Chlorphenesin, Caprylyl Glycol, Sodium Benzoate.