

3. melan:off™ Depigmentation Treatment

Effective and definitive solution for hyperpigmentations of melanic origin



1. WHAT IS melan:off™ TREATMENT

melan:off™ Depigmentation Treatment is a topical depigmentation treatment for the elimination or attenuation of melanic hyper pigmentations in a **quick, safe and effective** way, adapted to suit all skin phototypes.

In order to get maximum efficacy, it synergistically combines different **whitening** actives **inhibiting the melanogenesis** process in the different stages, blocking melanin production.

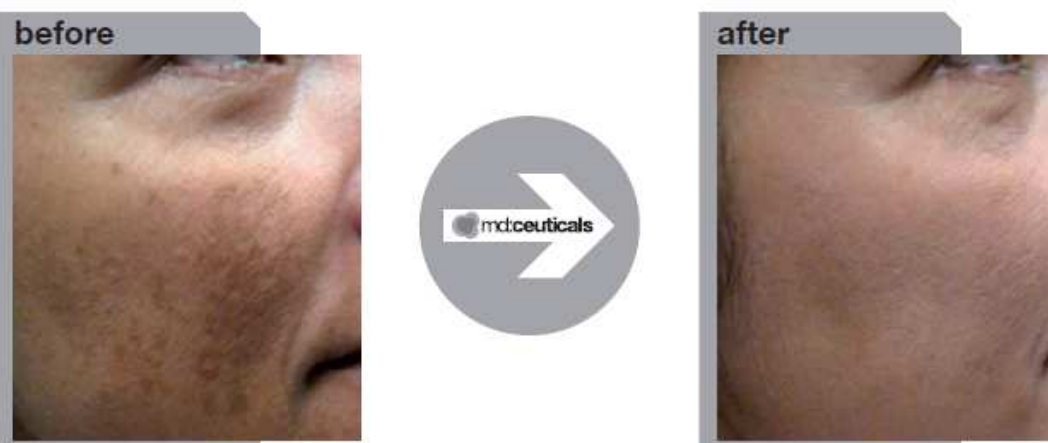
It also has an **exfoliating** effect that accelerates cell renewal process and produces epidermal desquamation, eliminating melanin located in the keratinocytes and lightening the skin tone.

The combination of depigmentation active principles with **antioxidant and anti-free radicals** ingredients, increases skin luminosity, even skin tone, giving back its softness and elasticity.

The inclusion of **solar filters** guarantees lasting results preventing the reappearance of blemishes. melan:off™ offers topical protection against UV induced inflammation and the resultant damage to the skin.

Free radical chain reactions are implicated in most degenerative biological reactions. Free radicals on the surface of the skin, generated through exposure to ultraviolet radiation and other environmental stress factors catalyze aging of the skin.

melan:off™ includes an antiaging complex that prevents free radicals formation. The anti-inflammatory effect combined with the efficient antioxidant and revitalizing action maintain skin health and integrity.



2. melan:off™ TREATMENT STAGES

melan:off™ is a complete and versatile treatment (adapted to suit all skin phototypes) that includes in Doctor's office treatment and follow on treatment to be applied at home, specifically designed to achieve long lasting results with maximum efficacy.

<u>STAGE 1</u>	melan:off™ whitening peel	Intensive cell renewal
<u>STAGE 2</u>	melan:off™ intensive mask	Melanogenesis inhibition
<u>STAGE 3</u>	melan:off™ maintenance cream	Long lasting results
<u>STAGE X</u>	X:treme Skin Renewal	Extreme regeneration

STAGE 1: INTENSIVE CELL RENEWAL (PRE TREATMENT) - melan:off™ whitening peel

Skin corneous stratum, due to its low permeability acts as a real barrier from active principle penetration. With the aim of obtaining optimal results in depigmentation treatments it is essential to prepare previously the skin with a mild peel of epidermal layer, eliminating death cells from the outermost skin layer, facilitating later penetration of active principles.

melan:off™ whitening peel maximises the penetration of active principles due to its exfoliating action activating cellular renewal, reducing imperfections and obtaining an even skin tone.



The combination of different ingredients and acids contributes to get a luminous, uniform and young skin. melan:off™ whitening peel is effective in epidermal melanic hyperpigmentations thanks to its whitening, keratolytic and chelating effect:

ACTIVE PRINCIPLES:

Azelaic Acid	Inhibits tyrosinase action in the melanogenesis process (melanin production). It also has antioxidant properties, being an oxygen free-radicals capturer. It normalizes follicle keratinization, desquamating skin corneous layer
Salicylic Acid	With keratolytic and exfoliating properties, it acts flaking skin surface, reducing imperfections and restoring smooth, texture and even skin colouring.
Allantoin & Glycine	With intensive regenerating properties, it stimulates cell renewal, giving to the skin high levels of moisturizing and softness

STAGE 2 – MELANOGENESIS INHIBITION - melan:off™ intensive mask

melan:off™ intensive mask produces effective skin whitening, eliminating blemishes of melanic origin by the activation of mechanisms that inhibit all the stages involved in the melanogenesis process, preserving the melanocyte integrity.



MECHANISM OF ACTION:

<p>Depigmentation action</p>	<p>Combination of whitening active principles (Azelaic acid, Kojic acid, Alpha Arbutine, Butylresorcinol...). It performs an <u>intensive depigmentation action</u>, stopping or delaying melanogenesis through:</p> <ul style="list-style-type: none"> • Actives that reversibly inhibit tyrosinase activity, stopping the dopaquinone formation. • Actives that block dopatautomerase activity in the production of eumelanines (brown or black colour). • Actives that inhibit the transfer of melanosomes from melanocytes to epidermal keratinocytes, eliminating blemishes due to cell protection process against UV radiations.
<p>Exfoliating action</p>	<p><u>Exfoliating</u> action over pigmentation on skin surface, accelerating the natural process of skin flaking and cell renewal, eliminating melanin located in the keratinocytes by the exfoliation of death cells which will lead to disappearing of dark blemishes.</p>
<p>Antioxidant & revitalizing action</p>	<p>The combination of <u>antioxidant and anti-free radical</u> active principles (DMAE, Vitamins C, E & B3, Retinyl Palmitate , Bisabolol...), protects the skin by the stimulation of collagen and elastin, providing firmness, elasticity, hydration and luminosity.</p>
<p>Calming action</p>	<p>Combination of vegetable extracts that provide <u>a calming, regenerating and moisturizing</u> action.</p>

STAGE 3 – MAINTENANCE OF RESULTS - melan:off™ maintenance cream

The tyrosinase inhibitor process due to its nature is reversible; following treatment the enzyme will again begin producing new melanin.

For this reason, in order to get good and lasting results, the whitening ingredients must be applied repeatedly over a long period of time.



ACTIVE PRINCIPLES:

<p>Depigmentation, exfoliating & antioxidant action</p>	<p>melan:off™ maintenance cream assures the permanent elimination of blemishes and the maintenance of results thanks to its formulation that, as in case of melan:off™ intensive mask, includes whitening, exfoliating and antioxidant active principles.</p>
<p>Protective action</p>	<p>melan:off™ maintenance cream incorporates also state of the art physical and chemical solar filters that protect the skin against solar aggressions and avoid the tyrosinase activation starting the melanin production cycle, as a defence mechanism against them.</p>

STAGE X: EXTREME REGENERATION - X:treme Skin Renewal™

Following **melan:off™** application, this product is essential to provide the skin with all the active principles needed to restore the hydration level, producing an **intensive regenerating effect** that gives back the skin its elasticity and smoothness.

Formulated with **Vegetable Stem Cells** and **Epidermal Growth Factors**, **X:treme Skin Renewal™** activates the mechanism of cell self-repair, protecting cells' life and repairing the skin from inside.

X:treme Skin Renewal™, thanks to its innovative formulation, provides with an important ultra repairing power that reactivates cellular activity and restores lipids from the hydro lipidic mantle, giving high levels of hydration, nourishment and firmness.

Vegetable Stem Cells are capable efficiently **protecting and reactivating** our own **epidermal stem cells**, stimulating the activity of fibroblasts and keratinocytes in the production of collagen and elastin that will strengthen conjunctive tissue structure, improving skin texture and quality.

It also contains **Hyaluronic Acid**, a natural component of skin tissue with the unique ability to retain 1000 times its weight in water. This feature allows Hyaluronic Acid to provide the cells with a deep **hydrating** and lubricating activity, promoting a **plumping effect**. It restructures collagen fibers, increasing skin elasticity while eliminating the wrinkles.



3. melan:off™ RECOMMENDED MAINTENANCE PRODUCTS

3D Moisturizing Sunscreen Protection™ SUPERLATIVE FORMULA FOR COMPLETE PROTECTION

Sun radiations can produce peroxidation of lipids in cellular membranes, generating free radicals that will stimulate excessive production of melanin by the melanocytes.

With the aim of obtaining effective and long lasting results it is essential, during and after the application of the depigmentation treatment, the use of **3D Moisturizing Sunscreen Protection™** in order to protect the skin from the light aggressions and avoid tyrosinase activation and the beginning of the melanin production cycle.

3D Moisturizing Sunscreen Protection™ gives a complete sun screen effect fighting against harmful radiations in very delicate skins, over scars or in areas subjected to chirurgical procedure, peel or laser treatment...etc.



ACTIVE PRINCIPLES

<p>Protective action</p>	<p>It combines innovative physical filters (Titanium dioxide and Zinc oxide) in order to achieve complete protection in front of any ambient aggression. These filters selectively reflect UVA and UVB radiations, stopping premature photoaging, the appearance of blemishes and skin burns.</p>
<p>Moisturizing, antioxidant & repairing action</p>	<p>Its formulation also includes hydrating, antioxidant and regenerating ingredients (Niacinamide, Vitamin E, Panthenol...) that will improve the skin immunological system and decrease skin dryness, which will avoid wrinkles and expression lines, maintaining the skin smooth, uniform and luminous.</p>

Types of Ultraviolet radiations and effects on skin.

Type of ray	λnm	Effects on skin
9+568*UVA	320-380	Immediate pigmentation (oxidation of melanins located in melanocytes)
UVB	280-320	Retarded pigmentation (tanning), solar erythema, thickening of corneous stratum or hyperkeratosis
UVC	200-280	Retained by the ozone layer

Phytic:antiox™ Eye Contour
THE SECRET FOR A RADIANT LOOK: HIGH PERFORMANCE NANOTECHNOLOGY

Phytic:antiox™ Eye Contour has been specifically formulated to **integrally treat** the delicate and sensitive **eye contour** area. It fights against the signs of skin aging by combining active principles to produce effective antioxidant, moisturizing, firming, draining and depigmentation actions.

It increases skin vitality and luminosity, reducing the signs of aging **removing any trace of fine lines, bags and dark circles.**



ACTIVE PRINCIPLES

<p>Depigmentation actives</p> <p>Phytic acid</p>	<p>Depigmentation agent specifically for the treatment of delicate and sensitive skins. It stops melanin production, reducing dark circles under eyes and giving luminosity. With a moisturizing action, it softens fine lines smoothing the periorcular area.</p>
<p>Antioxidant and moisturizing actives</p> <p>Coenzyme Q10, Hydrolyzed Collagen...</p>	<p>Intensive biological antioxidants with regenerating, restructuring, emollient and moisturizing properties. It smoothes and repairs periorcular area, eliminating expression lines and wrinkles and leading to a visible tightening effect. It produces a filling effect, redensifying eye contour.</p>
<p>Firming actives</p> <p>Argireline</p>	<p>Hexapeptide that effectively eliminates eye contour expression wrinkles produced by the repetition of muscle contractions, through a double action: interrupting the action of neurotransmitters responsible for the facial muscles contraction (producing periorcular muscle myorelaxation) and stimulating fibroblast activity and reconstructing the collagen and elastin matrix (producing a lifting effect).</p>
<p>Draining and decongestive action</p> <p>Artemia Extract, Panax Ginseng Root Extract</p>	<p>It significantly reduces the volume of eye bags, rejuvenating the look. With revitalizing and energizing effect, it gives energy to the cells, stimulating its metabolism and inhibiting skin aging process.</p>

3. melan:off™ TREATMENT ADVANTAGES

- It is **effective** in the treatment of **all type** of melanic blemishes and it is adapted to suit **all skin phototypes**.
- Reduction of blemishes from the first week of treatment. Visible results are seen one month after and are **successful** in **97%** of cases. Pigmentation marks are eliminated and the skin is rejuvenated, restoring its smoothness and luminosity.
- It effectively **blocks melanogenesis** process and eliminates existing hyperpigmentations. It synergistically **combines whitening** active principles acting in different stages of melanin production.
- It incorporates **exfoliating** active principles that accelerate skin cell renewal process, reducing colouring of existing blemishes.
- **Antioxidant, moisturizing and regenerating** actives accelerate skin repair process and preserve skin integrity, providing the skin with luminosity, smoothness, hydration and softness.
- Treatment protocol in **three stages** (skin preparation, intensive depigmentation and maintenance) guarantees **successful results** in the long term, avoiding hyperpigmentation reappearance (it contains **solar filters**).
- It is a completely **secure** treatment, with minimal side effects (just a mild erythema after the application)

melan:off™ professional treatment guarantees the elimination and reduction of all type of melanic blemishes in a quick, secure and effective way, being possible the application of the treatment at any season. The result is a uniform, even and luminous skin.