

EPIDERM-A Venezia TCA Complex Peel



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TCA Venezia Complex Peel

1. Product Introduction

EPIDERM-A Venezia TCA Complex Peel is a medically formulated chemical peel, carefully developed for professionals in advanced aesthetics and clinical dermatology. This product is designed to safely and effectively respond to a variety of skin disorders, promoting deep skin regeneration without compromising the integrity of the epidermal barrier.

The synergy between its three active ingredients — Trichloroacetic Acid (TCA), Mandelic Acid and Kojic Acid — guarantees a multi-vector action: intensive cell renewal, tone uniformity, antimicrobial action, and lightening of hyperpigmented spots. This balance makes EPIDERM-A Venezia TCA Complex Peel a versatile ally in rejuvenation, depigmentation and treatment protocols for acne and associated lesions.



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Technological Development

EPIDERM-A Venezia TCA Complex Peel was developed based on scientific evidence and the latest trends in integrative aesthetic medicine. Its formulation is stabilized to guarantee efficacy and safety during application, with a tolerance profile that allows its use on different phototypes and skin types, including sensitive skin.

Its main indications are the following:

- ✓ **Hyperpigmentation of melanic origin**
(e.g. melasma, solar lentigines)
- ✓ **Photoaging of the skin**
(fine wrinkles, uneven texture)
- ✓ **Active acne and its superficial scars**
(devitalized, thick or dull skin)
- ✓ **Skin preparation for other medical procedures**
(e.g. laser, mesotherapy)

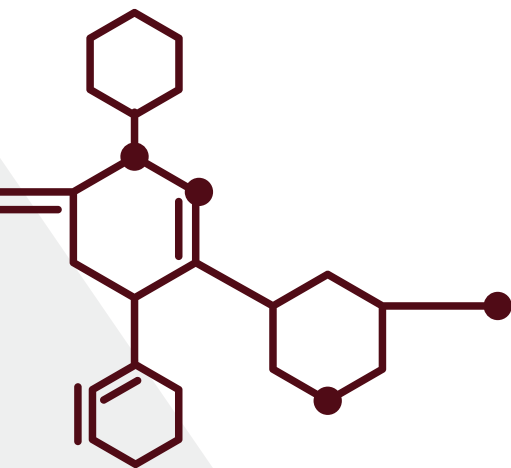


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EPIDERM-A Venezia TCA Complex Peel Features

- Visible results in just a few sessions
- Lower risk of post-inflammatory hyperpigmentation, thanks to the antioxidant and depigmenting action of kojic acid
- Safe for higher phototypes (thanks to mandelic acid and TCA depth control)
- Easy application and short recovery time, making it ideal for high-turnover clinical routines
- CE registration of active ingredient (TCA), ensuring European quality and safety standards

This peeling acts as a "skin reset", being able to completely renew the appearance and functionality of the skin, with progressive and sustainable gains throughout the sessions.



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Formulation and Action of Each Ingredient

EPIDERM-A Venezia TCA Complex Peel is the result of a scientifically based synergy between three dermoactive acids that act sequentially and complementary:

Trichloroacetic Acid (TCA), Mandelic Acid and Kojic Acid. This multiphase composition was designed to offer a deep yet controlled peeling effect, with exfoliating, depigmenting, antimicrobial and collagen-stimulating action — all with increased tolerability and faster recovery.

Synergistic Action and Integrated Mechanism of Action:

The combination of the three acids was strategically formulated to act at different depths of the skin, promoting a staggered layer action that mutually enhances each other:

Ingredient	Depth of Action	Primary Function
Trichloroacetic Acid	Corneal layer and basal epidermis	initial exfoliation + anti-microbial action
Mandelic Acid	deep epidermis and papillary dermis	protein coagulation + regeneration
Kojic Acid	epidermis and melanocytes	melanogenesis inhibition + antioxidant protection



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Trichloroacetic Acid (TCA)

The Engine of Deep Skin Renewal

Classification:

Medium to medium-deep peel

TCA is an acetic acid derivative widely used in dermatology for its ability to promote protein coagulation in the epidermis and papillary dermis layers, inducing controlled skin desquamation and activating tissue regeneration.

Mechanisms of Action:

Coagulation of epidermal and dermal proteins: results in the formation of a visible “frosting” and controlled necrosis of the superficial layers of the skin.

Fibroblast stimulation:

Activates the production of type I and III collagen, elastin and glycosaminoglycans, promoting firmness and dermal density.

Improved local vascularization:

Promotes oxygenation and nutrition of tissues, accelerating the healing process.

Benefits of TCA:

Visible reduction of fine wrinkles and enlarged pores

Lightening of more resistant dermal pigmentation
(e.g. chronic melasma)

Overall improvement in skin texture and luminosity

. Restructuring of dermal layers in acne scar treatments





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Mandelic Acid

Safe and Smart Renewal

Origin: derived from bitter almond extract

Classification: Alpha-Hydroxy Acid (AHA)

High molecular weight: 152.15 g/mol

Mandelic acid is an AHA with unique properties that make it ideal for all skin types, including sensitive, acne-prone or higher phototype skin (III to V).

Mechanisms of Action:

Superficial chemical exfoliation: promotes thinning of the stratum corneum and accelerates cell turnover, removing dead cells and promoting luminosity.

Antibacterial and comedolytic action:

Acts selectively on *Propionibacterium acnes*, being useful on skin with active acne or microinflammations.

Sebum regulation:

Reduces oiliness without damaging the skin barrier.

Benefits of Mandelic Acid:

Decrease in inflammatory and comedogenic acne

Progressive reduction of post-inflammatory hyperpigmentation

Smoothing fine lines and smoothing texture

Ideal for darker skin with lower risk of PIH
(post-inflammatory hyperpigmentation)





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Kojic Acid

Intelligent Depigmentation and Antioxidant Protection

Origin: produced by fungi such as *Aspergillus oryzae*

Main function: Tyrosinase inhibition

Kojic acid is an effective and safe depigmenting agent that acts directly on the melanin production chain, reducing hyperpigmentation without causing toxic effects or irregular depigmentation.

Mechanisms of Action:

Competitive inhibition of the enzyme tyrosinase, essential in the conversion of tyrosine to melanin

Antioxidant effect:

Neutralizes free radicals generated after skin aggressions (such as peeling)

Prevention of reactive hyperpigmentation:

Reduces the risk of post-peeling pigment rebound

Benefits of Kojic Acid:

Effective lightening of dark spots, lentigines, chloasma and melasma

Complementary anti-inflammatory action that softens the peeling process

Uniform tone with reduction of visible pigmentation in 2-3 sessions





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Treatment Area

The areas most frequently treated with TCA are:



Face
(main application)



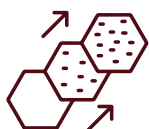
Neck and Chest
(TCA on the neck boosts cell renewal for smoother, firmer skin)



Hands
(renews hands for smoother, even-toned skin)



Back
(especially acne)



Armpits and groin
(in cases of localized hyperpigmentation).



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Combination with Other Aesthetic Procedures

Microneedling

Can be combined in alternating protocols (e.g. alternate weeks)
Never apply immediately after microneedling due to increased irritation
Excellent for enhancing skin renewal, especially in acne scars and dermal melasma

Indicated:

Microneedling in the 1st session

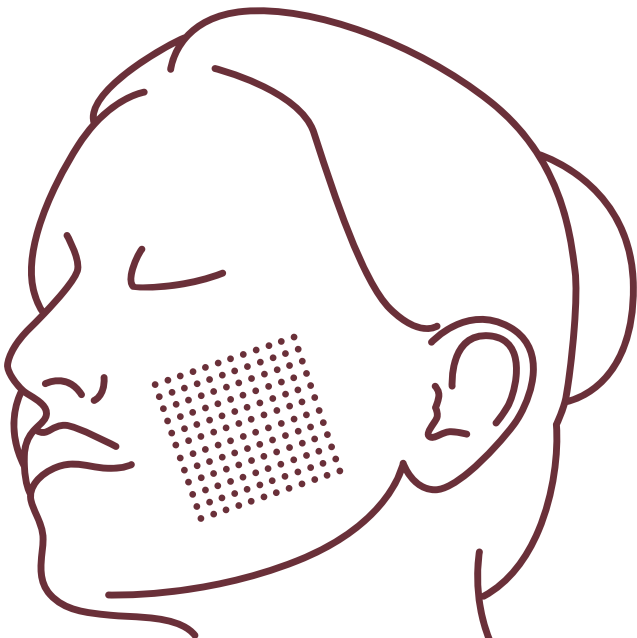
EPIDERM-A Venezia TCA Complex peeling in the 2nd week

Other complementary treatments:

Intense Pulsed Light (after recovery period)

Radiofrequency (interspersed with peeling sessions)

Topical mesotherapy (post-peeling with soothing active ingredients)





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Application Mode

Before applying EPIDERM-A Venezia TCA Complex Peel, a thorough and individualized diagnostic evaluation of the patient is mandatory.

The success and safety of the procedure depends on a thorough understanding of the current state of the skin, its dysfunctions, medical history and phototype.

Clinical Diagnosis and Therapeutic Planning

The prior assessment must include:

Complete dermatological history: active acne, melasma, rosacea, hyperpigmentation, use of medications (e.g. isotretinoin), previous treatments (laser, peels, etc.)

Analysis of skin phototype (Fitzpatrick Scale): essential to prevent complications such as PIH (post-inflammatory hyperpigmentation)

Identification of active dysfunctions: inflammatory acne, melasma, photoaging, irregular texture, lentigines, enlarged pores

Skin barrier assessment: signs of sensitivity, dehydration or latent inflammation

Lifestyle assessment: frequent sun exposure, use of aggressive cosmetics, skincare habits

Recommended complementary tools:

Wood's Light

Standardized clinical photographs (before each session)

Basic dermatological questionnaire

Clinical scales (e.g. MASI for melasma)



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Based on this assessment, the professional will be able to define:

The amount of ml of TCA Venezia Complex being used (adjustable according to protocol)

The ideal number of layers

The desired depth (shallow, medium or medium-deep)

The ideal sequence with other procedures or assets

The need for pre-treatment (e.g. lightening creams, mild retinoids or barrier stabilizers)

Number of Sessions

The ideal number of sessions may vary depending on the clinical objective, degree of dysfunction and individual skin response.

Recommended: 3 to 5 sessions

Interval between sessions: 21 to 30 days

Maintenance sessions: 1 application every 2-3 months

Step-by-Step Protocol – Professional Application

Cleaning and preparation

Complete removal of makeup and residue

Cleaning with a specific solution for sensitive skin or an alcohol-free degreaser

Dry the skin well

Protection of sensitive areas

Application of petroleum jelly or a physical barrier to the corners of the lips, inner corners of the eyes and nostrils



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Application of EPIDERM-A Venezia TCA Complex Peel

- 1.**
Using a brush or gauze, apply a thin, even layer.
- 2.**
Start with the most resistant areas (forehead, chin) and finish with the most sensitive areas (cheekbones, nasolabial folds)
- 3.**
Wait 1 to 5 minutes for action depending on tolerance, skin type and objective
- 4.**
You can apply 1 to 3 layers, respecting the time between them and observing signs such as erythema or light frosting
- 5.**
Neutralization (if necessary). The product is self-neutralizing, but in cases of discomfort, cold saline solution or thermal water can be applied to soothe
- 6.**
Apply cold compresses to the most reactive areas



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Immediate post-peeling

Application of a calming serum or regenerating mask (hyaluronic acid, panthenol, madecassoside)

Application of physical sunscreen SPF 50+, preferably with zinc oxide or titanium dioxide

Recovery Time

First 24 hours: Mild burning, tightness or heat sensation

2nd to 4th day: Visible flaking begins (like “onion skin” or microscales)

5th to 7th day: Peak skin renewal

7th to 10th day: Final recovery phase, with renewed, more uniform and luminous skin

Important Note

Peeling may vary from patient to patient and is not directly related to efficacy. Some patients with a good cell turnover rate may not have obvious flaking and still achieve excellent results

Post-Procedure Care

Avoid direct exposure to sunlight for at least 10 days

Do not wear makeup for the first 2 days

Avoid intense physical activities and environments with excessive heat (saunas, hot baths)

Intensely hydrate your skin with formulas free from irritating fragrances and preservatives

Never mechanically remove flaking skin — risk of hyperpigmentation

Recommended post-peel products

Thermal water spray

Moisturizers with ceramides, hyaluronic acid or niacinamide

Physical photoprotectors (SPF 50+)



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Clinical Case Study

Application (N=10 Patients)

Objective

To evaluate the efficacy and tolerability of EPIDERM-A Venezia TCA Complex peeling in 10 patients with epidermal melasma and signs of mild to moderate photoaging.

Method

Population: 10 patients (7 women, 3 men) between 28 and 53 years old (Phototypes II-IV)

Protocol: 4 sessions with a 21-day interval

Clinical evaluation by dermatologist and photographic documentation

Melasma Area and Severity Index (MASI) Melasma Scale

Satisfaction questionnaire

Results

100% of patients showed a visible reduction in blemishes and improvement in skin texture

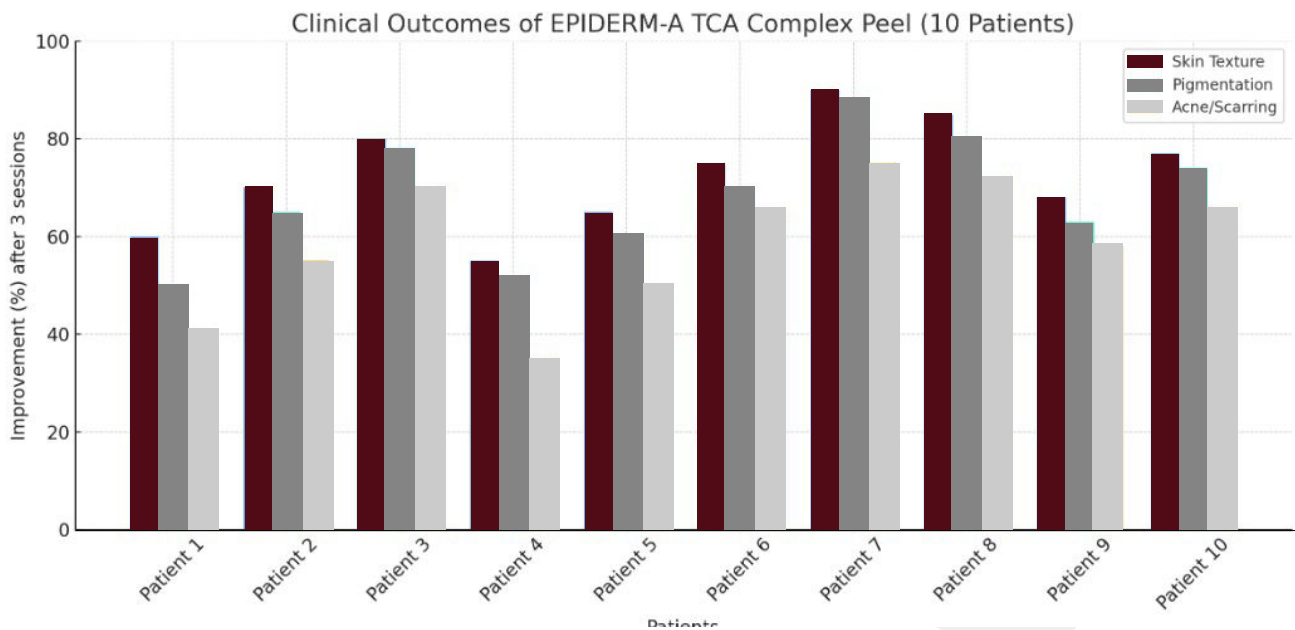
Average MASI reduction: 53%

90% reported high satisfaction with the results

Minimal adverse effects: mild erythema and controlled desquamation



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Illustrating graph with the clinical results of EPIDERM-A Venezia TCA Complex Peel in 10 patients after 3 sessions. It demonstrates significant improvements in the three areas evaluated: skin texture, pigmentation and scars/acne, with natural variations depending on each patient's profile.



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Before & After



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Results may vary depending on each individual's characteristics. A consultation with a qualified professional is essential to determine the most appropriate treatment.



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Gentle Concept Business & Management
Via Longhena 1 #1018
Marghera (ve), 30175
Italy

Info@epiderm-a.com
www.epiderm-a.com

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