



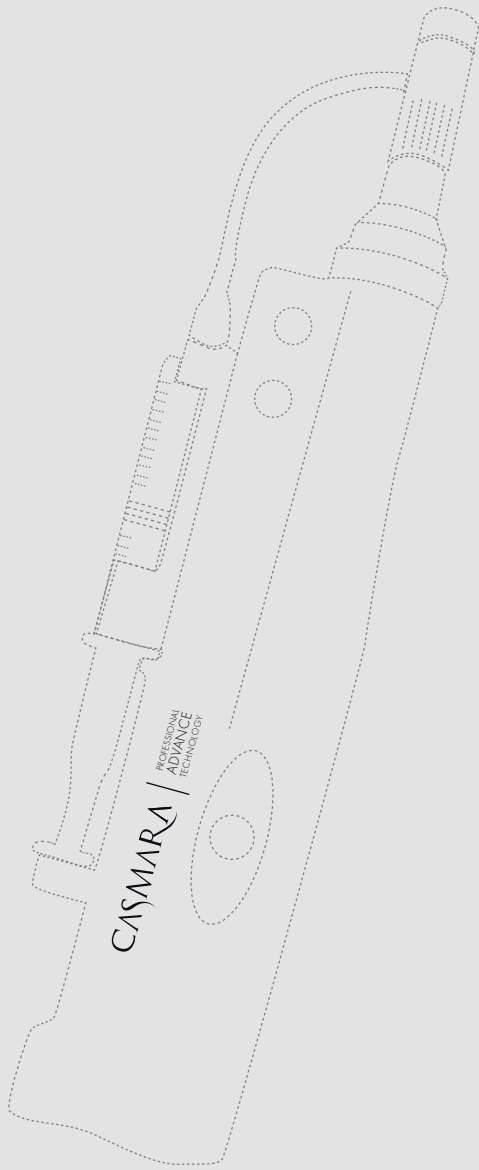
Activator**PEN**

AUTONOMOUS MICRONEEDLING SYSTEM

TECHNICAL MANUAL

CASMARΛ

PROFESSIONAL
ADVANCE
TECHNOLOGY



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CASMARA PROFESSIONAL ADVANCE

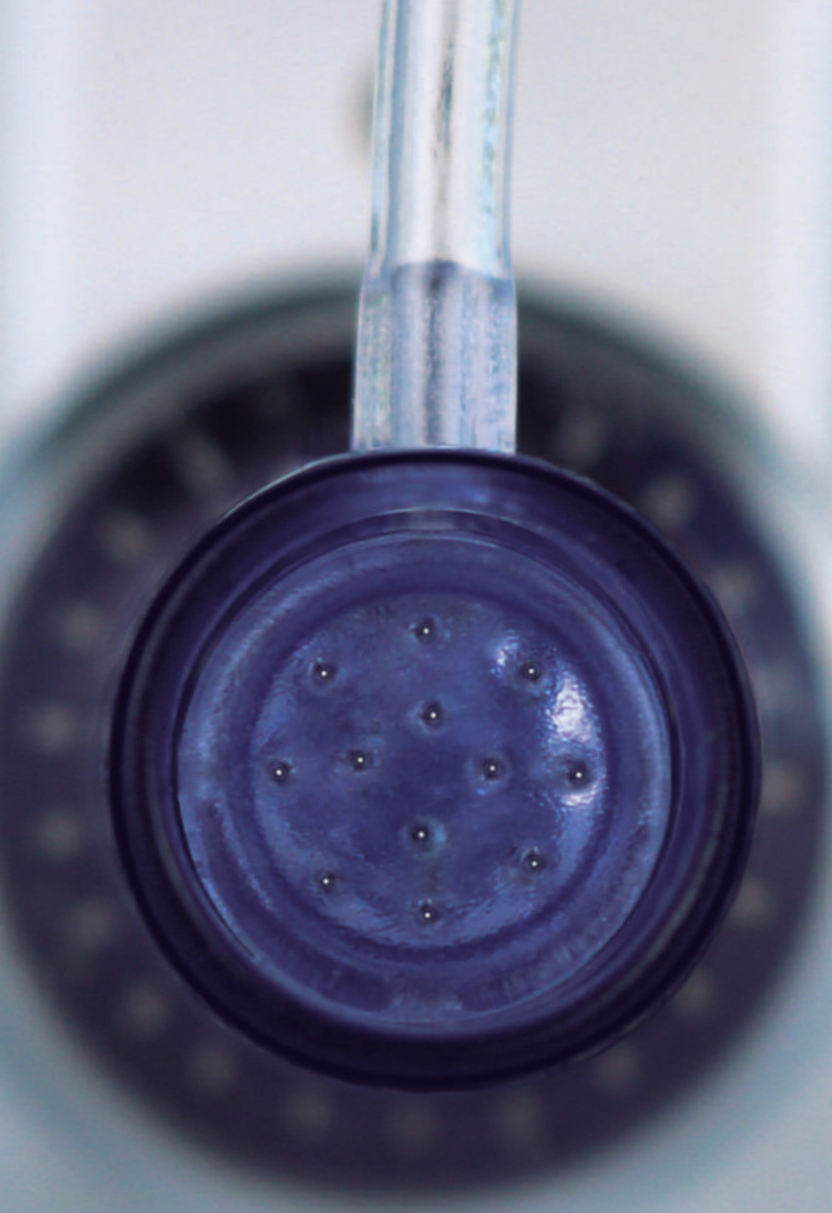
CASMARA COSMETICS, a **cosmetics laboratory** which, over the last **45 years**, has created some of the most exclusive cosmetic treatments used around the world, and has remained at the cutting-edge of science and research in the field of cosmetic skincare for all this time, **is expanding its cosmetic device category**. In addition to the brand's most iconic products, Casmara offers to beauty professionals the possibility of applying them using the most avant-garde techniques, contributing to the already impressive results of their professional cosmetic treatments.

Meeting the trends and demands of a market which is evolving at a staggeringly rapid rate, **this category was created not only to optimize the work of professionals, but allowing them to obtain optimum results in a shorter time**. This proves to be a clear added value in a world where time is the most precious commodity



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*ActivatorPEN,
the next generation
microneedling
device.*



1 THE MICRONEEDLING TECHNIQUE

BACKGROUND INFORMATION

*In 1995 Dr. Desmond Fernandes created the **first microneedling device** applying the principles described by scientists who had previously researched the application of this technique on scars. He developed a drum-shaped device covered in tiny needles to create micro-cuts in the surface of the skin, so that the micro-aggression would activate the regeneration mechanisms and improve facial wrinkles and skin laxity.*

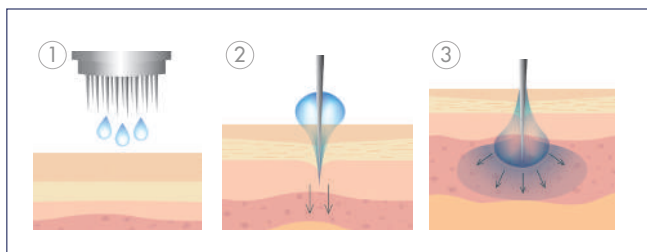
***Years later, the technique was improved, and electric devices were developed,** allowing us to accurately set the micropuncture depth and speed and to be able to scientifically control the process. Since then, **many scientific trials have been carried out** describing precisely how microneedling works on different skin problems, such as scars, dark spots or wrinkles, among many others.*

TECHNICAL BASIS

*Microneedling is a **minimally invasive technique** which creates **multiple micropunctures** in the skin in a safe, controlled way, helping to achieve **spectacular results from the first session** by combining two processes.*

On one hand, a controlled skin lesion is caused with minimal epidermal damage, stimulating the healing cascade (inflammation, proliferation and remodeling). The reaction of the dermal epithelial cells is to defend themselves against the aggression by **activating all the skin's repair mechanisms**, while the production of endogenous growth factors, collagen and elastin is stimulated. For this reason, it is also known as CIT or Collagen Induction Therapy.

On the other hand, the skin's barrier structure is broken, forming **micro-channels** which allow the **deep penetration of the topical products applied during the session**, by passing through the epidermis and reaching the dermis (depending on the skin thickness in each area and the needle length). In other words, a temporary mechanical change is caused to the skin to help the active ingredients to be absorbed, enhancing their action.



It is a minimally invasive technique which has **a very low ratio of associated complications**. A slight erythema (reddening) is caused, which lasts 24-72 hours and calms down without the need for special care, allowing the customers to go back to their usual routine immediately.

RESULTS

- ✓ **STIMULATES** collagen and elastin creation.
Improves the structure of the fiber network which supports the skin, increasing its firmness and elasticity.
- ✓ **STIMULATES** growth factor production and cell cell regeneration,
reducing wrinkles and expression lines.
- ✓ **FADES AND CORRECTS** recent dark spots and small marks.
- ✓ **IMPROVES** the appearance of stretch marks and scars.
- ✓ **REDUCES** pore size
- ✓ **IN ALOPECIA TREATMENTS**, it stimulates hair growth and prevents premature hair loss.
- ✓ **ENHANCES** the deep penetration of the active ingredients
applied synergistically with the technique.

“

*Microneedling
is a minimally
invasive,
safe and
very effective
technique.*





2 ActivatorPEN

by Casmara

INCREDIBLE RESULTS IN THE SHORTEST TIME

Today's increasingly fast-paced lifestyle, where we want to make the most of every minute, **women are seeking *the most effective results in the shortest time.***

There is a growing demand for **protocols which can provide very visible results** similar to those achieved by medical esthetic procedures, but which do not involve performing painful, invasive techniques resulting in subsequent discomfort that may disrupt the daily lifestyle.

In response to this demand, CASMARA presents in exclusive **the next generation microneedling device with an autonomous product supply system**, a technique which combines very effective results with a minimally invasive, complication-free technique, allowing customers to return to their usual routine immediately after the protocol.

ACTIVATOR PEN FEATURES

- **VERTICAL PUNCTURE** technology. Clean, safe punctures
- **AUTONOMOUS PRODUCT SUPPLY** system.
- Four **DETACHABLE NEEDLE TIPS** to choose from: 12 and 36 needles (face), 42 (body), nano (facial pigments).
- **5 ADJUSTABLE SPEEDS** (5.500, 6.500, 7.500, 8.500, 9.500 rpm).
- **CONTROLLED AND ADJUSTABLE DEPTH** (0,2-2 mm).
- **WIRELESS**: 2 hours' charging time and 2-3 hours' battery life.

Thanks to the different heads and adjustable speed and depth options , ***the protocol can be fully customized according to the customer's needs.***

BENEFITS

The exclusive autonomous supply system of the ActivatorPen releases the product evenly as the micropunctures are made. Includes a syringe on the upper part of the device, where the product is inserted, allowing the professional to control the amount released by using two buttons. In this way, active ingredient penetration is optimized.

With other devices available on the market, the product is applied manually in two ways:

- *Prior to starting the micropunctures on the entire face: a lot of product is wasted, as it starts to be absorbed and disperses on the skin before the micropunctures are performed.*
- *Applying the product by area: it is inconvenient, as it requires the simultaneous use of both hands to carry out the procedure; the product is applied with one hand and the micropuncture maneuvers are performed with the other.*

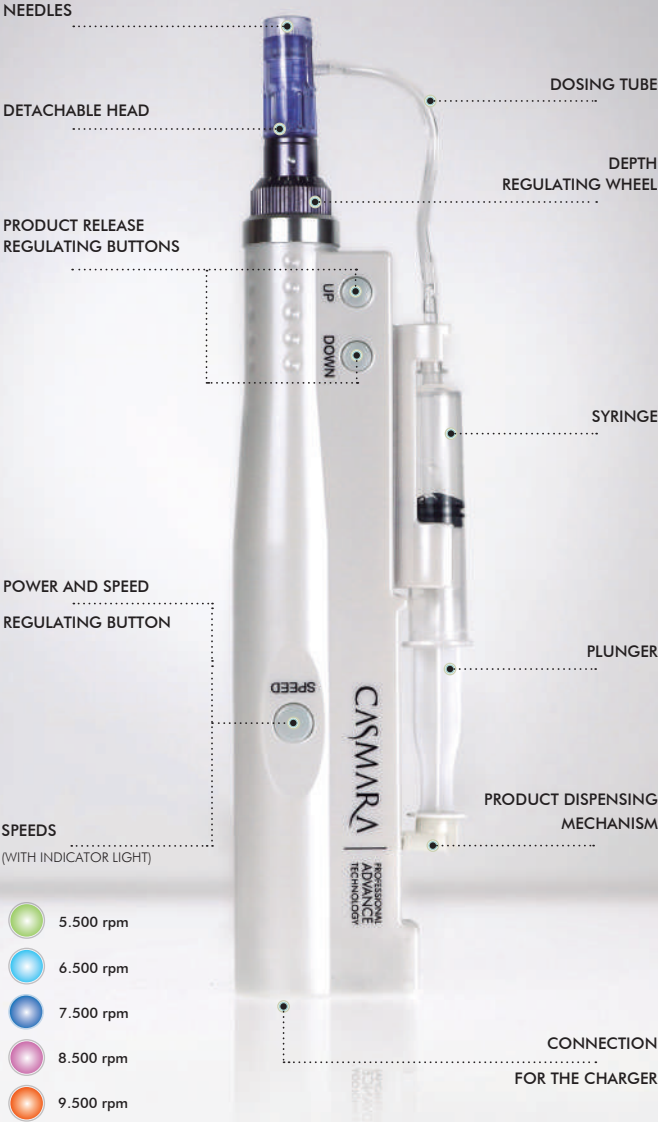
With the **ActivatorPen** autonomous system, we resolve both of these inconveniences: **all of the product is used to achieve optimal results**, while increasing *the comfort of the professional during the treatment application, noticeably optimizing their work.*

BOX CONTENTS

1. **Activator Pen.**
2. **Charger.**
3. **Two desechable tips**
with 12 needles
and dosing tube.
4. **Two 5ml syringes.**



DEVICE PARTS:



USING THE DEVICE

1. **SCREW THE NEEDLE TIP** onto the device, as shown in the image. Each head is single use. Casmara offers tips of 12 and 36 needles (face), 42 needles (body) and nano (facial pigments).
2. **OPEN THE PRODUCT VIAL** and insert the product into the dispensing syringe, maintaining the sterile conditions. For more information about opening the vial in sterile conditions, see the leaflet included in the protocol box.
3. **SCREW THE DOSING TUBE** onto the tip of the syringe.
4. **FIT THE LOADED CONNECTED SYRINGE** to the dosing tube on the upper part of the device. Connect the free end of the dosing tube to the head, as shown in the image.
5. **FIT THE PRODUCT DISPENSING MECHANISM** to the syringe plunger by holding down the UP button, the dispensing mechanism will automatically draw towards the plunger. Release the button when the plunger and dispensing mechanism make contact.
6. **SELECT THE DEPTH** of the micropunctures by using the regulating wheel.





7. HOLD DOWN THE SPEED BUTTON for 2-3 seconds to turn it on. Regulate the speed by pressing the **SPEED** button many times until you reach the required speed, which will be shown by the color of the button.

The depth and speed selection criteria are explained further on.

8. HOLD THE DEVICE as shown in the image and bring it near the customer's face to start the protocol. As this procedure involves needles, it is necessary to wear gloves.

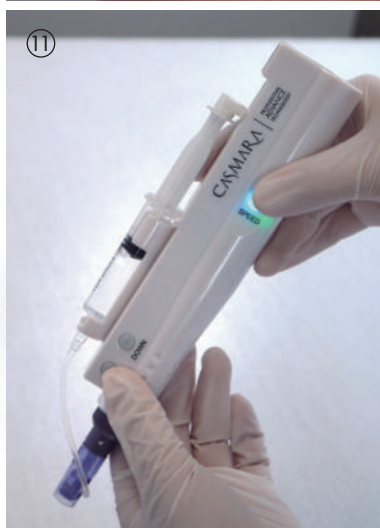
9. TO START RELEASING THE PRODUCT through the head, push the **UP** button; you have to hold it down until you see the product being released from the head and deposited on the customer's skin. Hold it down every time you need more product. It is important that there is plenty of product in order to optimize penetration.

10. DURING THE PROTOCOL you have to keep the device perpendicular to the customer's face. Divide the patient's face into four quadrants to not miss an area; while working, an indicator light will illuminate the area being treated. Perform the protocol using the maneuvers shown in the following sections.

11. AT THE END OF THE PROTOCOL, turn off the device by pressing the **SPEED** button for 3-5 seconds.

12. TO TAKE THE DEVICE APART, disconnect the dosing tube from the syringe, unscrew the head and press the **DOWN** button to remove the syringe.





TYPES OF NEEDLE TIPS

Face

12

NEEDLES



- **12 NEEDLES:** acne scars, stretch marks and very pronounced wrinkles or furrows. People who are very sensitive to discomfort with a higher number of needles.

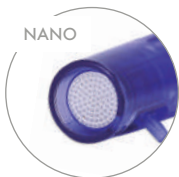
36

NEEDLES



- **36 NEEDLES:** hyperpigmentation, hydration, pore reduction and global facial rejuvenation.

NANO



- **NANO:** for protocols with facial pigments.

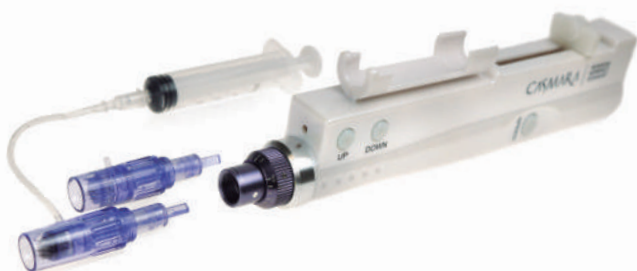
Corporal

42

NEEDLES



- **42 NEEDLES:** body protocols due to skin thickness and the size of the area to be treated.



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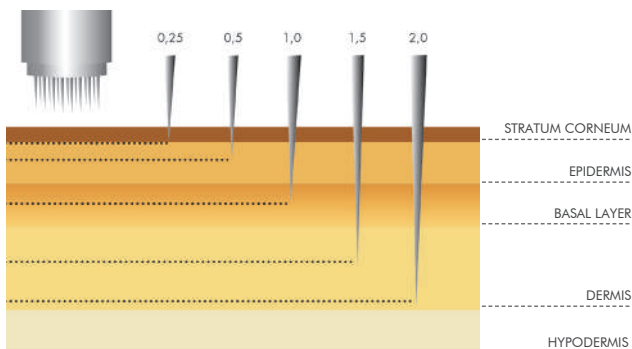
*By choosing
the head, speed,
and depth,
we adapt the protocol
to every customer.*



DEPTH AND SPEED OF TREATMENT

The depth depends on several factors:

- Customer **sensitivity**.
- **Area** to be treated: there are areas where the skin is thinner and therefore more sensitive.
- **Treatment to be performed** and penetration level needed.



The recommended depths according to facial area are reflected in the following diagram, although we recommend testing customer sensitivity by area during the treatment and in the event of discomfort, reducing the work depth.



Starting at a depth of 0.25mm is recommended

recommended to check customer sensitivity; keep increasing as long as it is tolerable and does not cause bleeding.

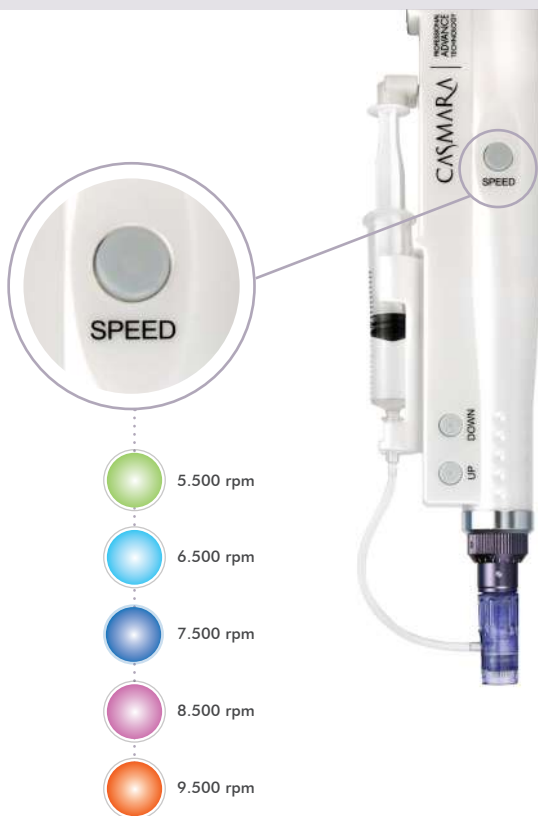
In extremely sensitive people, an anesthetic cream may be used 1 hour before the protocol

SPEEDS

You can choose between **5 speeds** which regulate the **number of micro-perforations** made with every stroke.

Using lower speeds is recommended for people with high sensitivity and for areas with a lower tolerance, e.g. for areas such as the forehead, eye contour and cheekbones.

The **indicator light** changes color to indicate the chosen speed (in cycles/min).



The **adjustable depth and speed** of the device allow you to customize the protocol to adapt it to the sensitivity levels of each person.

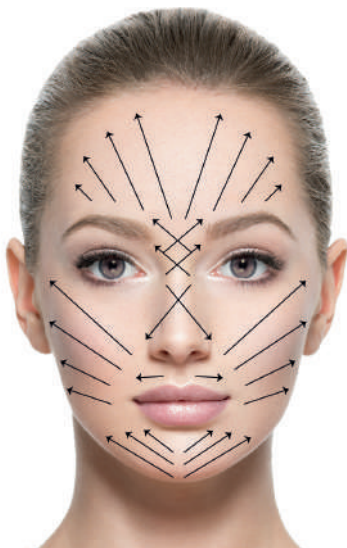
APPLICATION MANEUVERS

There are basically **4 TYPES OF MANEUVERS** which are performed by area on the face and are worked as shown in the following images. The pressure used should be gentle, leaving the head to glide over the skin. While working, an indicator light will show the area being treated.

MANEUVER

01

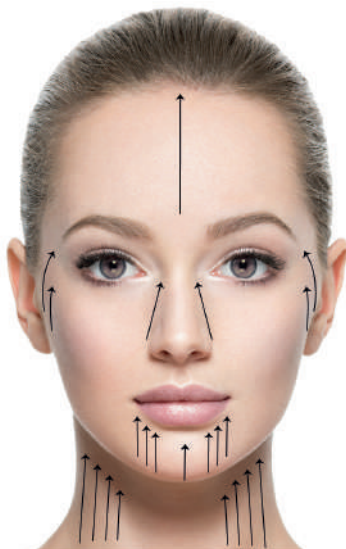
The maneuvers are performed by drawing straight lines, upwards and outwards.



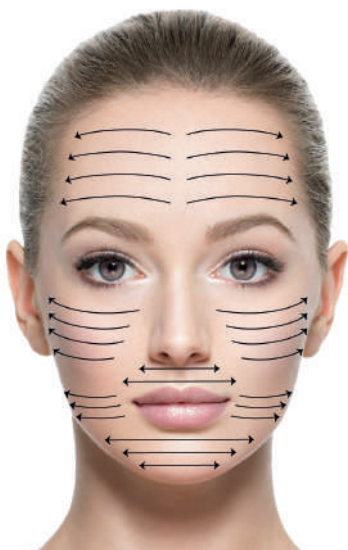
MANEUVER

02

The maneuvers are performed by drawing straight lines upwards and inwards.



*A microneedling **facial treatment** can be performed in **20-30 minutes**, for body treatments involving larger areas, the time can be longer.*



MANEUVER

03

The maneuvers are performed by drawing lines which follow the facial features outwards.



MANEUVER

04

The maneuvers are performed by drawing spirals directed outwards.

PROTOCOL

01

CLEANSE



02

APPLY BIOLOGICAL
AMPOULE USING
MICRONEEDLING
TECHNIQUE



03

FACE MASK



04

ANTI-AGING CREAM
S.P.F. 50



HOW IS THE PROTOCOL PERFORMED?

01

Horoughly remove make-up from the customer's face with **Cleanser Sensitive Skin** by CASMARA.

This **3 en 1 cleanser removes make-up, cleanses and tones** leaving the skin perfectly prepared for the protocol.

It is especially formulated for sensitive skin, making it ideal before starting a protocol where micro-aggressions will be carried out, since it gently but effectively cleanses, fully respecting the skin without changing its natural balance.

02

Apply the microneedling technique in combination with the chosen Casmara Biological Protocol, as described in the previous sections.

03

Finish the protocol with a **CASMARA Algae Peel off**.

. It is the perfect complement, since it reduces facial temperature up to 6 degrees, intensely calming the hot sensation that can be felt in the skin following the microneedling protocol and providing a very pleasant fresh sensation.

Furthermore, it performs a light occlusive effect on the entire treated area, helping the previously applied active ingredients to penetrate deeper, in addition to the active ingredients contained in the mask.

We especially recommend **Sensitive Mask 2040**, this mask contains *oat and violet aroma* known for their great soothing properties, and a high *vitamin A, B and E content* making it perfect for calming and refreshing the face following the protocol.

04

Remove the mask and apply **Clarifying Anti-aging Cream** from the **LIGHTENING LINE** with **SPF 50** 50 to protect the face against solar radiation.

It is very important to protect the face with high SPF creams for a few days following the protocol.

3

ADVERSE EFFECTS AND
PRECAUTIONS



PRECAUTIONS

It is a ***minimally invasive technique*** with a very low ratio of associated complications. It is normal for the customer to present **a slight redness in the treated area**, which will last 24 to 72 hours and will ease without the need for special care, allowing them to go back to their usual routine immediately after the protocol. **Bleeding is rare if you work at the depths indicated** in this guide and we recommend decreasing the depth if it does occur.

- If sensitivity is very high, we can shorten the session time.
- Using gloves is obligatory during the procedure.
- Avoid going over moles.
- If any product remains, it can be massaged once finished; a slight stinging can occur.

SUBSEQUENT PRECAUTIONS:

*It is **very important** to avoid direct sunlight and to protect the skin with SPF 50.*

- **Do not wear make-up** for 24 hours after the treatment.
- Avoid exposure to **extreme temperatures**.
- **Avoid wetting the skin** for 2 hours after the session (saunas, gym, beach, swimming pools, etc.)

CONTRAINDICATIONS

We do not recommend applying the protocol in the case of:

- *Pregnant or breastfeeding patients.*
- *History of herpes (a prophylaxis between 3 days before and 7 days after is required).*
- *Allergy to any of the applied substances.*
- *Bleeding disorders.*
- *Autoimmune diseases.*
- *Skin with acne.*

CASMARA

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CASMARA COSMETICS, S.A.

High Quality Professional Dermocosmetic Laboratory

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