THE PHYSICIAN’S CHOICE FOR ADVANCED SCAR TREATMENT

MAKE EVERY OUTCOME BEAUTIFUL

Complete the scar healing process by offering the only Advanced Scar Treatment with FDA-Cleared Silishield™ Technology plus the protection of SPF 30.

BIOCORNEUM®
ADVANCED SCAR TREATMENT
SILISHIELD® PATENTED CROSSLINKING SILICONE + SPF 30

by sientra.
**HOW BIOCORNEUM WORKS**

### The Science of Scar Reduction

BIOCORNEUM’s key ingredient, FDA-Cleared Silishield™ patented crosslinking silicone, advances the benefits of traditional silicone sheeting through the comfort and ease of a gel. Silishield forms a protective shield over the scar area that is optimal for physiological healing and cosmetic improvement. Silishield's patented technology, made with medical grade silicone, helps to keep skin hydrated and after 2-3 months of use, can normalize excessive collagen formation, that contributes to abnormal scarring.

Sunscreen agents protect the area from sun exposure’s darkening effects while BIOCORNEUM maintains its silky-smooth feel and clear appearance. It is peace of mind protection that goes everywhere the day demands.

### Easy, Effective Care for Skin Recovery
- FDA-Cleared Silishield™ Technology plus the protection of SPF 30
- Silky-smooth clear gel is simple to apply and is quick-drying
- Forms a breathable, flexible protective shield that moves like a second skin
- Self-adhering – won’t peel; no tape required
- Ideal for skin that must flex a lot (such as around joints), irregular surfaces, as well as large scar areas
- Ideal for face, neck, chest, hands, and other areas exposed to the sun
- Once dry, continues to work when makeup, lotion, or additional SPF protection is applied over it
- Suitable for children over the age of 6 months

### RESULTS

The International Clinical Recommendations on Scar Management named silicone as the single most recommended topical (non-invasive) treatment for scars.

BIOCORNEUM’s key ingredient, FDA-Cleared Silishield™, helps to prevent transepidermal water loss (TEWL), which then synthesizes more collagen and stimulates the skin's layers.

### Scar Treatment Mechanism of Action

1. Healthy skin has a mature stratum corneum that protects the layers below and helps to prevent transepidermal water loss (TEWL).

2. A surgical incision or injury creates a gap in the skin’s layers.

3. Within one to two weeks, reepithelialization is complete, but the stratum corneum is immature. This allows abnormally high levels of TEWL. Dehydration is signaled (red arrows) to keratinocytes, setting the scarring process in motion.

4. Excess collagen production leads to abnormal scarring. This results from keratinocytes producing cytokines (red arrows), which in turn activate dermal fibroblasts that then synthesize and release collagen.

5. Treatment of the neopithelialized area with silicone gel restores the barrier function of the stratum corneum, reducing water loss and turning off the stimulation of keratinocytes.

6. For maximum effectiveness, BIOCORNEUM should be used twice a day for two to three months.

Silishield™ Mechanism of Action

1. Thin layer of BIOCORNEUM applied to the skin.
2. Silicone polymers crosslink.
3. Volatile silicones evaporate.
4. Polysiloxanes and Silicon Dioide remain adhered to skin, creating the silicone sheet barrier.
5. SPF 30 ingredients help provide protection from discoloration caused by the sun.
39% to 68% of patients develop hypertrophic scars after surgery. BIOCORNEUM gives patients control toward a beautiful recovery.

BIOCORNEUM by Sientra is the only advanced scar treatment with FDA-Cleared Silishield™ patented crosslinking medical grade silicone plus the protection of SPF 30 — to support healing skin inside and out. BIOCORNEUM forms an invisible shield to create an optimal healing environment that can:

- prevent and minimize the formation of hypertrophic and keloid scars,
- decrease the appearance of old scars, and
- help to restore the function of affected skin.

**For maximum effectiveness, BIOCORNEUM should have 24-hour contact with the scar area for the duration of the treatment. This can be achieved by applying BIOCORNEUM twice a day.**

**Recommended minimum treatment time:**

<table>
<thead>
<tr>
<th>Scar Type</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>New scars</td>
<td>60 DAYS</td>
</tr>
<tr>
<td>Older scars</td>
<td>90 DAYS</td>
</tr>
</tbody>
</table>

**Recommended sizing:**

Length of scar based on a linear scar with a coverage width of 0.5 inch, at two applications per day.

<table>
<thead>
<tr>
<th>Scar Length</th>
<th>BIOCORNEUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-3 INCHES</td>
<td>10g</td>
</tr>
<tr>
<td>4-6 INCHES</td>
<td>20g</td>
</tr>
<tr>
<td>7-9 INCHES</td>
<td>50g</td>
</tr>
</tbody>
</table>

**How to apply BIOCORNEUM**

- Ensure that the affected area is clean and dry.
- Apply a thin, even layer two times a day (morning and evening) over the scar area.
- Allow to dry completely.
- After application wait 15 minutes before sun exposure.
- Once dry, BIOCORNEUM can be covered with pressure garments, clothing, cosmetics or additional sunscreen as needed.
- If the affected area is subject to abrasion, it may be beneficial to repeat the application.

**Important:** BIOCORNEUM is for external use only. Avoid direct contact with eyes, mucous membranes, third degree burns, and open wounds. BIOCORNEUM should not be used on damaged or broken skin. This product has not been shown to help prevent skin cancer or early skin aging.

**Manufactured in the USA for:**
Sientra, Inc., Santa Barbara CA 93117
Silishield™ is a trademark of Sientra, Inc.
US Patents: #5,741,509, #8,021,683, #8,263,114
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