

# Epicyn™

## Scar Management Hydrogel





## Solutions that work naturally for every body

Our products have helped thousands of patients around the World since 2005. No matter your age or your skin type, you can find the right product to assist your body in reducing infection and inflammation.

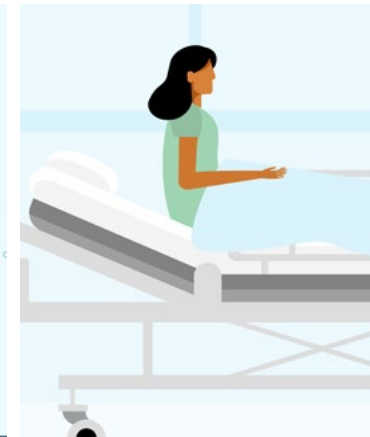


Visit our website to learn more about all our solutions  
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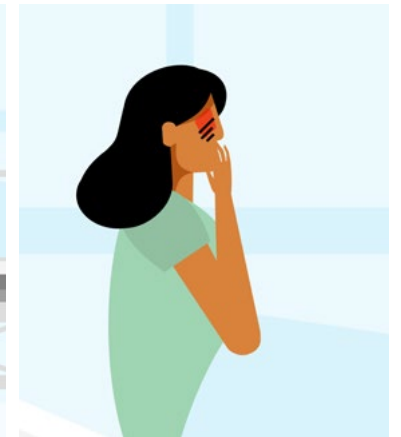
## Are you worried about the look of a scar?



Whenever the skin on your body suffers from trauma of some sort, a scar is formed as a way to protect the wound and surrounding areas from the risk of further infection.



If you have undergone recent surgery Epicyn™ can be used to prevent the appearance of a keloid or hypertrophic scar.



Can be applied immediately after wound appearance or surgery / suturing. Recommended treatment is 60 90 days.

## For a proactive, post-procedure, wound care and scar management treatment.

Epicyn™ with patented technology, is intended for the prevention of surgical site infections and the management and reduction of new and existing hypertrophic and keloid scars.

**Epicyn™ forms a protective barrier against physical, chemical and microbial invasion of the scar.** It softens, flattens and reduces redness and relieves scar-associated itch and pain sensation.

Ideal for old and new scars from surgeries and injuries. It helps reduce the appearance of scars. With consistent use, even existent scars, can become flatter, smoother, less visible and closer to your skin's natural color and texture. Epicyn™ is odorless and transparent. It is suitable for all ages and skin types, including children, newborns and those with sensitive skin. **It can be applied immediately after surgical procedures / suturing to assist in the prevention of site infections.**

**Silicone** is widely recommended to to treat scars due to its triple effect: It moistures the skin, restores the skin and contributes to collagen improvement.



## Epicyn™ Scar Management Hydrogel

- Stimulates postprocedure wound healing
- Can be used in old and new scars
- Reduces itch, redness and pain
- Prophylactic anti-Inflammatory and anti-microbial properties
- Improvement of scar vascularity by increased capillary perfusion
- Safe to use around mouth, eyes and nose
- Non irritating
- Non-toxic
- Silicone based
- pH Neutral

## Did you know?

Any deep layered trauma to the skin will result in a scar. This is a natural process as a protective reaction to the body.

Scars are areas of tissue that replaces normal skin after injury. During the healing process a thick layered scar might appear which can cause side effects.

Scars can cause:

- Itching sensation
- Pain (might depend on weather conditions)
- "Tight" skin sensation
- Reduction of movement

Most scars do not cause any problems or side effects. However-dependending on the location, age, gender, genetic factors, ethnicity, the possibility to develop more prominent scars is present.

### The two most common forms of scars are Hypertrophic and Keloid scars.



**HYPERTROPHIC SCAR**

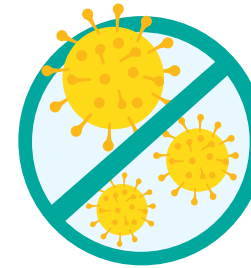
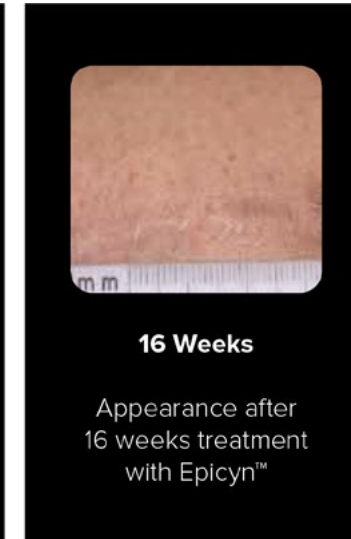
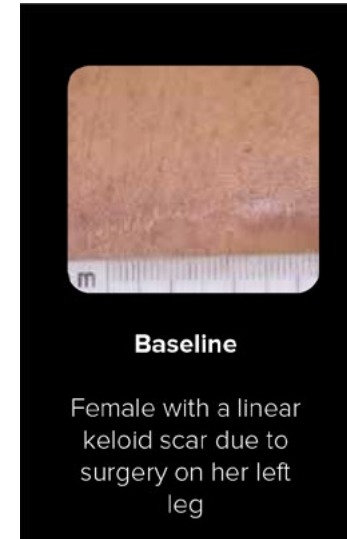


**KELOID SCAR**

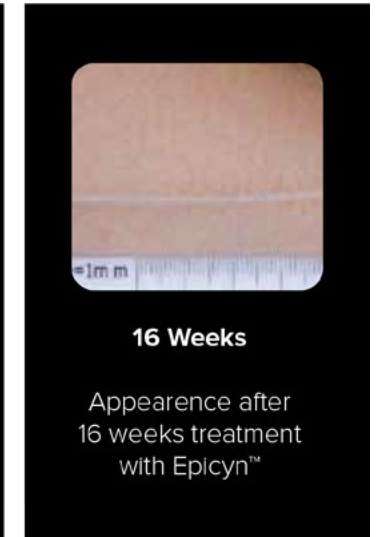
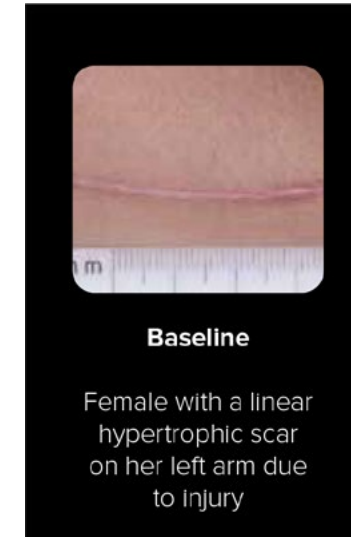
Keloid Scars are all Hypertrophic, but only a small percentage of Hypertrophic scars are Keloid.



### Photographic Results of Epicyn™ Hydrogel Treatment



**Keep the wound clean to avoid infections during the healing process**





## Testimonials

### Patient after usage of Epicyn™ for 4 weeks

“Finally, a product that not only contains Silicone but has a anti-inflammatory effect as well”

### Patient after using Epicyn™ for 5 days

“The itching sensation was completely gone after a 3 days of using Epicyn™”

### Dermatologist Slovenia

“I have heard about this product and to me it sounds very interesting for usage by my patients”

### Plastic Surgeon Lithuania

“After a few weeks using Epicyn™ on a fresh surgical scar, the scar almost completely vanished”

### Patient from Germany

“After many years using a variety of products, I believe I finally found the right product”



## Frequently Asked Questions

### Can I use Epicyn™ immediately after appearance of a wound?

Yes, Epicyn™ can be used on fresh wounds or immediately after suturing by a physician.

### How long will it take before the scar is gone?

Once a scar has formed it will be present for the rest of your live. Complete removal of a scar is impossible but less predominant by using Epicyn™ on a daily base is possible.

### How long does it take before Epicyn™ becomes active?

Microcyn® reacts immediately to the affected area. It will kill the bacteria in 30 seconds

### Where can I buy Epicyn™?

Epicyn™ can be bought at your local pharmacy or online via Amazon.

### Can I still use my cosmetics?

Yes, once the gel has been absorbed, you can use your preferred cosmetics.

### How long can I use the product?

Epicyn™ can be used for 60 days after opening.

### Does Epicyn™ damage the surrounding tissue?

No, Epicyn™ is gentle and safe. It is free of necrotizing chemicals. It has passed all testing on tissue sensitivity and toxicity with no irritation reported.



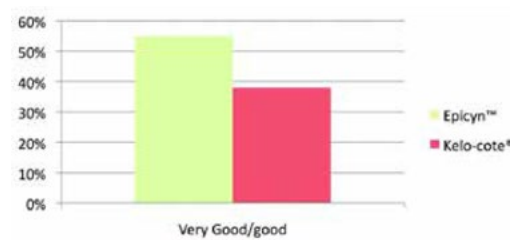


## New wound treatment options, including super oxidized water, are having a positive effect on healing outcomes in general\*

Clinically proven to help reduce the redness, hardness, elevation, itch and pain associated with scars. Epicyn™ helps, soften, flatten and smooth the scar, while reducing the associated discoloration and itching.

A double-blind randomized study to determine the substantial equivalence of Epicyn™ Hydrogel vs Kelo-Cote® in up to 40 subjects with Hypertrophic or Keloid scars\* resulted in the following outcome: in the healing process without any side effects.

Investigator Global Assessment:  
% Very good/good at Week 12



Comparison of Epicyn™ and competitor product: (based on percentage reduction from base line)

checking	Epicyn™	Kelo-cote®
Vascularity	- 42%	- 28%
Pliability	- 47%	- 34%
Height	- 30%	- 11%
Vancouver	- 40%	- 26%
Pain	- 100%	- 72%
Itch	- 78%	- 70%

\*A Double-blind, Randomized Study of a Microcyn® Technology Scar Gel In Comparison with 100% Silicone Gel for Hypertrophic or Keloid Scars Alicia D. Bucko, DO, CPI, JD Academic Dermatology Associates, Albuquerque, et All



## A relentless passion for healing

Sonoma Pharmaceuticals is a global healthcare leader developing and producing stabilized hypochlorous acid (HOCl) products for a wide range of applications, including dermatological conditions, wound care, animal health care, eye care, nasal care and oral care.

## Evidence based technology

**Sonoma offers safe early-intervention solutions that provide fast relief and are free from side effects and other limitations**

Visit our website to learn more:



**100+ Clinical papers**

and research studies scientifically support Microcyn Technology



**80+ Approvals**

Worldwide regulatory experience



**60+ Patents**

Discover our patent portfolio summary



**EN Testing**

Read more about the efficacy and safety tests passed



## Microcyn® Technology

The Microcyn®-based family of products are formulated from an electrically charged oxychlorine compound of small molecules. This Microcyn® Technology hypochlorous acid is similar to the natural hypochlorous compound produced by the human body's immune system upon demand to eradicate foreign pathogens in the body.

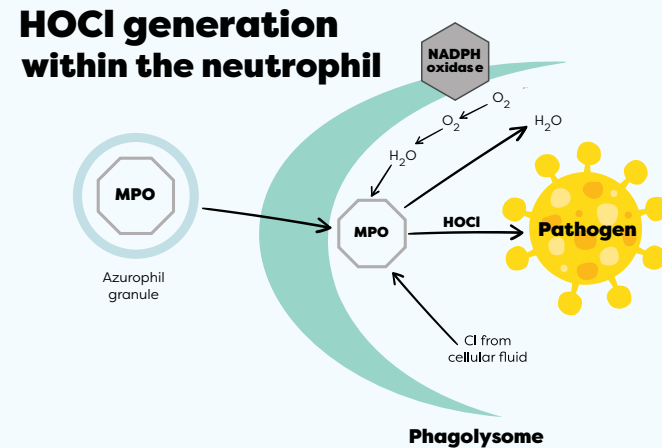
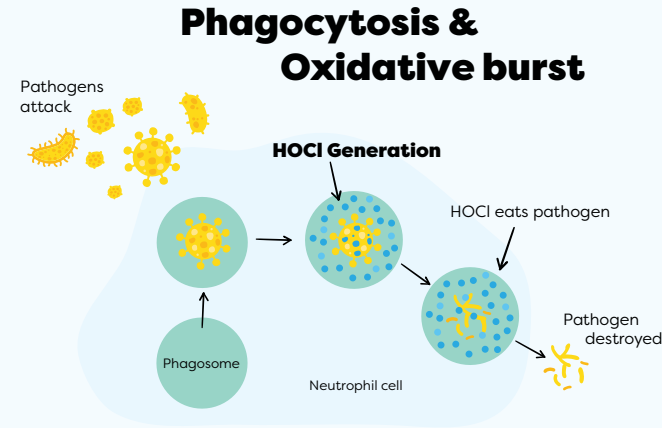
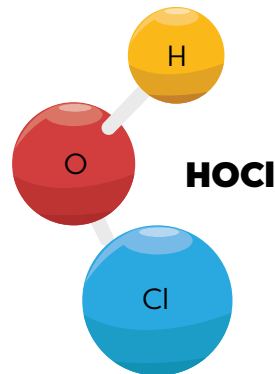
The unique chemistry imparted through the patented Microcyn® manufacturing system provides superior product stability. Standard electrochemical processes used in the manufacture of other hypochlorous acid-containing products, cannot come close to matching this stability.

There are no known drug interactions or contraindications with Microcyn®-based products. Testing has demonstrated the gel and liquid products to be non-irritating, non-sensitizing and non-toxic. Microcyn®-based liquid products have been found to have no oral toxicity, cause no ocular irritation and are non-genotoxic.

## Hypochlorous Acid

The science of hypochlorous acid is simultaneously deceptively simple and highly complex. When developed intelligently and with scientific rigor, hypochlorous acid can be rendered safe, stable and consistent in an advanced wound care formulation. This is the foundation for our patented Microcyn® technology.

Under development and continuous refinement for almost 20 years, Microcyn® Technology is the original and very first hypochlorous acid introduced into the U.S. advanced wound care market.



## Natural body ingredients that boost our immune system

The Microcyn®-based family of products are formulated from an electrically charged oxychlorine compound of small molecules. The main component, **hypochlorous acid (HOCl)**, is naturally produced as part of our immune system during the phagocytosis.

During the activation of neutrophils, 'respiratory bursts' generate hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) and the activated granule enzyme myeloperoxidase converts H<sub>2</sub>O<sub>2</sub> into hypochlorous acid (HOCl). When neutrophils encounter bacteria or other pathogens, the neutrophils engulfs it, generate HOCl and instantly destroying the microorganism. This process is called the "oxidative burst".

1. Powerful anti-microbial activity (also breaks down Biofilm)
2. Anti-allergic & anti-inflammatory properties (inc. anti-pruritic activity)
3. Increased blood/oxygen flow that stimulates regeneration



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