

Introducing

TM

DiaColl-SB



Since 2008

Sterile Collagen Sponge with Gentamycin and Silicone sheet membrane.

Bi-Layer Collagen Dermal Regeneration Template With Anti-Biotic

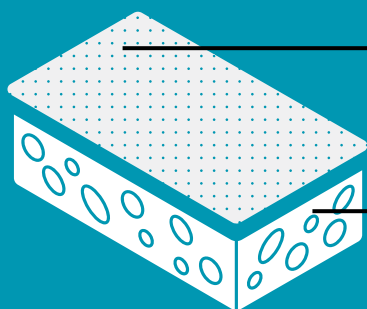
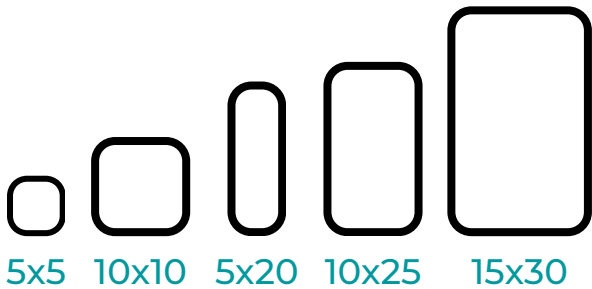
Product Description

Diacoll-SB is a revolutionary new Bi layer Dermal regeneration template that is changing the way we treat full-thickness skin defects and scar contractures. This bottom layer is made of Type 1 Collagen Matrix impregnated with Gentamycin Sulphate and top layer is made of perforated non adherent silicon layer.

It is the most affordable dermal regeneration template available today, and has an added advantage to treat infected wounds.

Available Sizes

[Units in cm]



Silicone membrane with perforation

Top Layer (Non Resorbable)

**Type 1 Collagen matrix with
Gentamycin Sulphate 0.1% (w/w)**

Bottom Layer
(Resorbable Porous Collagen matrix)

DiaColl-SB



“World’s
Most Affordable
Collagen Dermal Template
With Antibiotic”

Indications

Diacoll-SB is indicated for the treatment of full-thickness skin defects and scar contractures, including:

- Burns
- Traumatic wounds
- Congenital defects
- Diabetic foot ulcers
- Other chronic wounds
- Infected wounds

Advantages

- **Biocompatible collagen matrix:** Promotes granulation and tissue regeneration.
- **Gentamycin sulfate:** Broad-spectrum antibiotic to prevent infection.
- **Perforated silicone layer:** Enables easy application of negative pressure wound therapy treatment (NPWT)(VAC therapy).
- **Cost Effective treatment:** The most affordable collagen dermal template in the market.
- **No need to slit the top layer on 2nd or 3rd observation to remove exudation** (if present) because of perforated silicon layer technology.

Mechanism Of Action

- **Cellular Recruitment and Differentiation:** Upon application, Diacoll SB's porous collagen matrix, rich in Type 1 collagen, provides a supportive scaffold for the migration and proliferation of essential cells like fibroblasts, keratinocytes, and endothelial cells from surrounding tissues. These cells differentiate into specialized cell types, orchestrating the formation of new skin tissue.
- **Angiogenesis Promotion:** Type 1 collagen in Diacoll SB stimulates the formation of new blood vessels (angiogenesis) by activating pro-angiogenic pathways and recruiting pro-angiogenic cells. This ensures adequate oxygen and nutrient supply for optimal skin regeneration.
- **Infection Control:** Diacoll SB's bottom layer contains Gentamicin Sulfate, a broad-spectrum antibiotic, strategically positioned to fight any residual infection at the wound site, preventing complications and promoting healing.
- **Exudate Management:** The perforated silicone top layer of Diacoll SB facilitates efficient exudate management, preventing wound maceration and promoting an optimal environment for healing. It also enables effective Negative Pressure Wound Therapy (NPWT) when necessary, further accelerating granulation tissue formation by 40-60%.
- **Moist Wound Environment:** Diacoll SB transforms into a gel-like state upon application, effectively trapping moisture within the wound bed and promoting a moist wound environment. This is crucial for optimal cell migration, proliferation, and tissue regeneration.
- **Painless Removal:** The non-adherent perforated silicone layer eliminates the need for painful procedures like top layer slitting for exudate drainage, enhancing patient comfort and promoting faster healing.
- **Optimal Timing for Skin Grafting/Colloskin Application:** Diacoll SB is strategically designed for a complete 7-day application period. During this time, the collagen matrix is fully resorbed, paving the way for subsequent Colloskin or skin grafting procedures to address the epidermal layer, completing the skin regeneration process.

Comparison Chart

Diacoll-SB is developed and marketed to stand out and break the barrier in dermal template treatment. Affordable and quality treatment for all.

	DiaColl-SB™	Competitor M	Competitor I	Competitor P
Gentamicin Sulphate [Treating of Infected Wounds]	Yes	No	No	No
Perforated Silicon Top Layer For Negative pressure Wound Therapy [NPWT]	Yes	No	No	No
Pricing	Highly Economic	High Priced	High Priced	High Priced
Type 1 Collagen Matrix	Yes	Yes	Yes	No

Precautions

Diacoll-SB is not indicated for use in patients who are allergic to collagen, gentamycin or silicone. It is also not indicated for use n patients who are undergoing radiation therapy.

How are we making Diacoll-SB the most affordable Dermal Template ?

- Our **in-house synthesis of Type 1 Collagen Matrix** and **control over the entire R&D, production process**, contribute to Diacoll-SB's affordability.
- Leveraging over four years of experience with its predecessor, **Diacoll-S (Type 1 Collagen Sponge with Gentamycin Sulphate)**, We refined its expertise in dermal template treatments **reducing Research, Development and Testing cost factors**.
- We Prioritize affordability, keeping its **margins low** to ensure that Diacoll-SB is **accessible to working-class patients and those without insurance**.
- Diacoll-SB's affordability, combined with its proven efficacy, positions it as a transformative solution in the dermal template treatment landscape.

Directions of use

There are some general steps that are followed when using Diacoll-SB to treat a full-thickness skin defect or scar contracture:

1. Prepare the wound site by cleaning and decontaminating it.
2. Cut the Diacoll-SB with scissors to match the wound cavity dimensions.
3. Apply Diacoll-SB and Suture or staple perimeters to the wound site.
4. Multiple Diacoll-SB can be attached together by staples or sutures to cover larger wounds.
5. Place a dressing over the wound site to protect it.
6. Monitor the wound site regularly for signs of infection or other complications.
7. Remove the dressing after 1-2 weeks (after collagen matrix is completely / mostly resorbed), or as directed by the treating doctor.
8. Proceed with skin grafting or Colloskin (collagen sheet) treatment for epidermal layer growth, as directed by the treating doctor.

DiaColl-SB™

The 2-Step Procedure

For a Complete heal

Step 1

For Dermis Layer
Diacoll-SB is applied to the wound site for Dermis to grow and fill the cavity wound



Step 2

For Epidermis Layer
Colloskin (Collagen Wet Sheet)
Or Skin Grafting



Success Stories

Diabetic Foot Ulcer

Female | Age : 74 | History : Diabetic, Parkinsons

“After 17 Days went for Skin Grafting and Now Mrs. Pappathi is able to walk fine.”



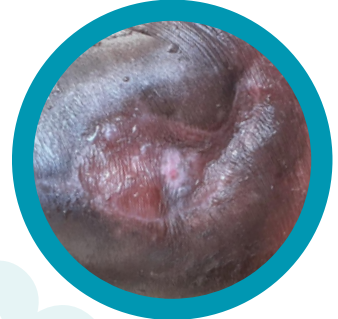
Day 0
[Before Diacoll-SB application]



Day 10
[Collagen Matrix almost fully resorbed and Granulation started]



Day 17
[Fully Granulated tissue ready for Skin Grafting]



Day 44
[Fully Healed Wound after skin graft]

Trauma Case

Male | Age : 50

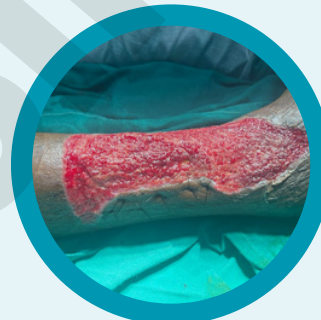
“After 10 Days went for Skin Grafting and Now The Patient is completely healed.”



Day 0
[Before Diacoll-SB application]



Day 3
[Collagen Matrix almost fully resorbed and Granulation started]



Day 5
[Angiogenesis Taking place]



Day 10
[Fully Granulated Wound Ready for skin grafting]

Developed & Manufactured By



Since 2008

ColoGenesis Healthcare

We Promise Accelerated Healing

20+

WOUND CARE & DENTAL CARE PRODUCTS

YEARS 16+

MANUFACTURING COLLAGEN BASED PRODUCTS

6+

PATENTED PRODUCTS & PROCESS

5+

COUNTRIES EXPORT

DSIR

RECOGNIZED WORLD CLASS R&D FACILITY

WHO-GMP & ISO 13485 & 9001
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+91 427 2240288
+91 7708340288
+91 427 2240388



info@cologenesis.com



www.cologenesis.com



Plot No: 51, Salem The Co-op Industrial Estate,
Udayapatty, Salem- 636 140,
Tamil Nadu, India.