

# Collagen Sheet

TISSUE STRUCTURE BASED ON  
TYPE I AND TYPE III COLLAGEN  
**FOR DERMATOLOGICAL USE**

The structure of the decellularized collagen sheet presents optimal characteristics for **vascularization** and **cellular growth** during tissue regeneration processes.

The **bifacial structure** features an occlusive side that blocks external contaminants, and a fibrous side that facilitates cellular infiltration.

Its hydrophilic nature facilitates the **management of mild to moderate exudates**, preventing wound maceration while promoting cellular migration and the synthesis of new extracellular matrix by fibroblasts, accelerating tissue regeneration.

## Features

### • Biological Support

This matrix aids in cellular growth at the implantation site and contributes to tissue organization, supporting the granulation process, and significantly increasing dermal thickness at the implant site.

### • Faster Regeneration

Attracted to the injury site by biological signals from the implanted threads, specialized cells proliferate. They produce human collagen and other extracellular matrix proteins, and foster growth factors, accelerating the healing process.

### • Biocompatible Structure

The sheet's morphology directs epithelial cell and fibroblast migration, repopulation, and revascularization. As new tissue develops, it gradually resorbs, contributing to neodermis formation.

## Applications

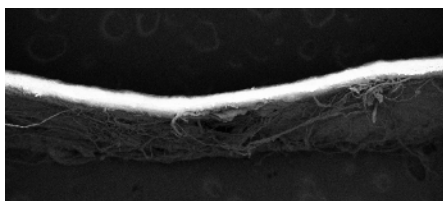
The NG Derma Collagen Sheet is indicated for use in non-infected cutaneous wounds with mild to moderate exudate.

It is used in the **healing of injuries**, including:

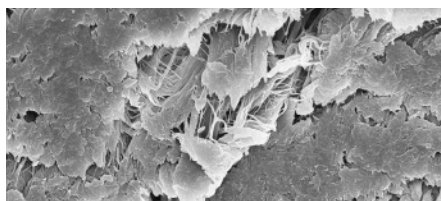
- Venous leg ulcers
- Diabetic foot ulcers

- Pressure ulcers
- Postoperative or post-traumatic lesions
- Skin reconstructions

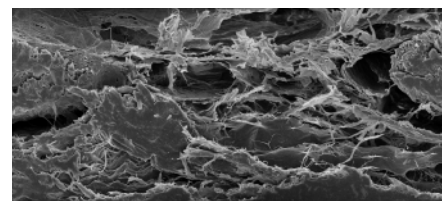
## Micrographs



200 µm | Lateral view of the Collagen Sheet



3 µm | Surface of the Collagen Sheet



50 µm | Evidence of native collagen in the Collagen Sheet



100%

### PORCINE-DERIVED COLLAGEN

Resorbable collagen membrane derived from porcine tissue.

#### Presentación

Sheet  
Sheet  
Sheet

#### Details

4 x 4 cm  
5 x 5 cm  
7 x 4 cm