Natural Dermal Template

Every body has the power to heal

endoform® Natural

A unique extracellular matrix (ECM) which supports all phases of healing

- Provides a natural, porous ECM scaffold for rapid cell infiltration
- Contains 148 secondary molecules that are important for healing
- Accessible from day one

Every body has the power to heal
**Endoform®’s unique ECM technology is designed for all phases of healing to stabilize, correct, build and organize tissue in acute and chronic wounds.**

Endoform® can be used at all phases of wound management

**Endoform® includes 148 secondary molecules that are important for healing**

The composition of Endoform®’s ECM enables it to interact with patients’ cells during the phases of healing. Endoform® is 85% collagen and 15% important secondary molecules including 148 structural and adhesion proteins, and glycosaminoglycans (GAGs). Endoform® only contains components that are found in tissue ECM.

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**Stabilize**
- Stabilize the open wound
- Provides a porous scaffold to assist healing

**Correct**
- Proactively maintain the anti-inflammatory trajectory

**Build**
- Provides a porous scaffold for rapid fibroblast adhesion and infiltration via structural proteins
- Support advancement of epithelial tissue via basement membrane remnants

**Organize**
- Provides a scaffold to align constructive remodelling and the deposition of new tissue

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**Hyaluronic Acid**
Facilitates cell infiltration

**GAGs**
Binds water to maintain scaffold hydration

**Collagen IV**
Anchors epithelial cells to the matrix

**Collagen I**
Major structural protein

**Collagen III**
Early phase structural protein

**Fibronectin**
Enables cell attachment

**Laminin**
Connects scaffold proteins and guides epithelial migration

**Heparin Sulfate**
Regulator of remodelling
Endoform® provides a biologically accurate ECM scaffold

Endoform® is minimally processed so the ECM is not damaged. It provides a biologically accurate, porous structure that supports rapid epithelial and fibroblast infiltration. Over time the scaffold is completely remodeled as new tissue is laid down.

![Wound model demonstrating cell infiltration and adhesion (light blue) onto the Endoform® scaffold (dark blue) during healing](image)

Images show DAPI (a fluorescent stain, diamidino phenylindole) stained Endoform® infiltrated with human fibroblasts cells after 0.5, 5 and 10 days. Images at 20x magnification.

Natural molecular structure

Endoform® preserves the natural form of its molecular components. The paperclip analogy demonstrates how loss of structure results in loss of functionality.

Endoform® can indicate wound protease levels and guide re-application rate to help escape the inflammatory phase earlier

Endoform®’s unique ECM stays intact in the wound bed unless wound proteases are elevated.

**When wound proteases are high.** Endoform® is digested thereby indicating the wound is in the inflammatory phase. More layers of Endoform® need to be applied.

**When wound protease levels are balanced.** Residual Endoform® can be observed in the wound bed participating in healing. This indicates the wound is progressing into the proliferation phase. The number of layers applied can be repeated or reduced if there is a high level of residual Endoform® observed at the next dressing change. It is important to not debride the residual Endoform® as it contains ECM components that assist in wound healing. If Endoform® has overlapped into the periwound area, it may be gently removed if desired.

Reconstituted collagens do not have an intact, natural ECM. These products dissolve or gel within a day, regardless of wound protease levels and cannot indicate the balance of proteases.
**Ordering information**

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**Indications For Use:**

Endoform® Dermal Template is indicated for the management of wounds including, partial and full thickness wounds, pressure ulcers, venous ulcers, diabetic ulcers, chronic vascular ulcers, tunneled/undermined wounds, surgical wounds (donor sites, grafts, post Moh’s surgery, post laser surgery, podiatric, and wound dehiscence), traumatic wounds (abrasions, lacerations, first and second degree burns, and skin tears), and draining wounds.


RX Only. Prior to use, be sure to read the entire Instructions For Use package insert supplied with the product.

For product questions, sampling needs, or detailed clinical questions concerning our products in North America, please call 1-860-337-7730.

Endoform® is a registered trademark of Aroa Biosurgery Limited.

Endoform® Natural is marketed in North America by Appulse. www.appulsemed.com

Appulse

Endoform® Natural Dermal Template

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