



# Natural

## Dermal Template



### endoform<sup>®</sup> 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
- Broad spectrum modulation of wound proteases
- Accessible from day one

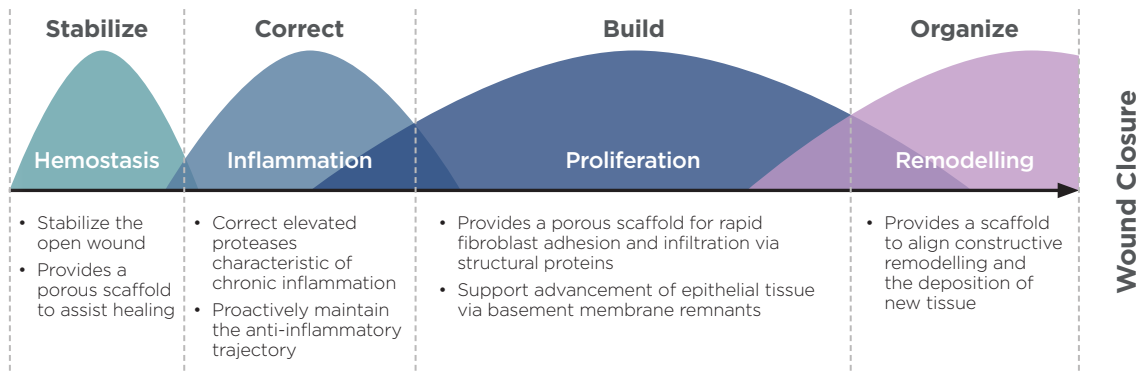
Every body has the power to heal



## Natural Dermal Template

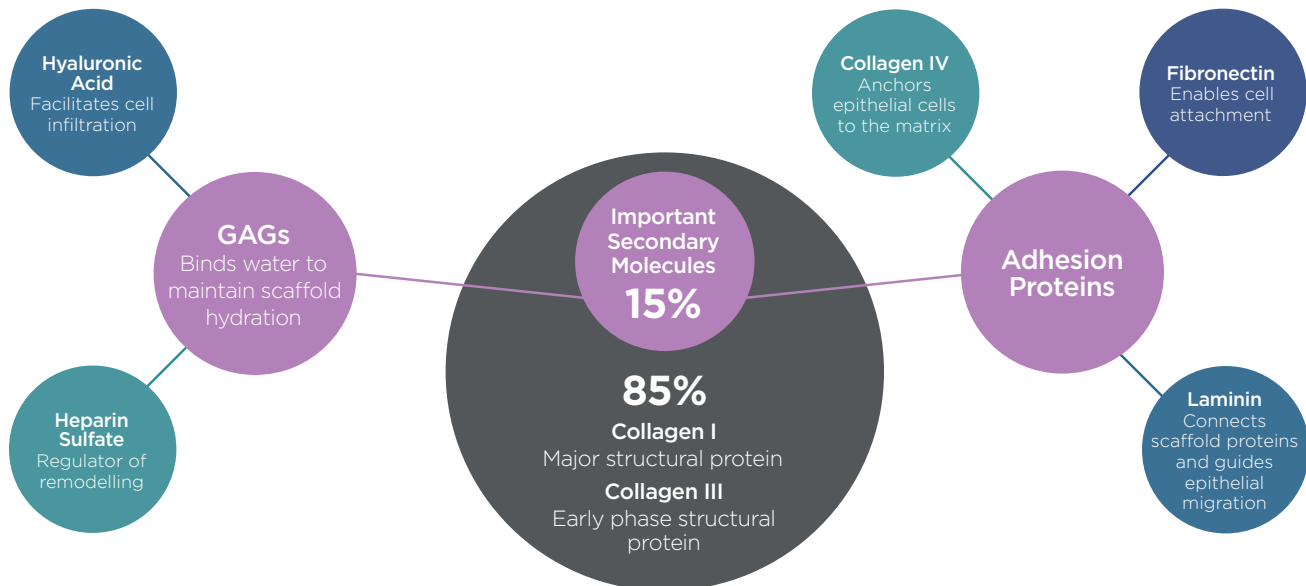
**Endoform<sup>®</sup>'s unique ECM technology is designed for all phases of healing to stabilize, correct, build and organize tissue in acute and chronic wounds.<sup>1</sup>**

**Endoform<sup>®</sup> can be used at all phases of wound management**



## Endoform<sup>®</sup> includes 148 secondary molecules that are important for healing

The composition of **Endoform<sup>®</sup>**'s ECM enables it to interact with patients' cells during the phases of healing. **Endoform<sup>®</sup>** is 85% collagen and 15% important secondary molecules including 148 structural and adhesion proteins, and glycosaminoglycans (GAGs).<sup>2</sup> **Endoform<sup>®</sup>** only contains components that are found in tissue ECM.

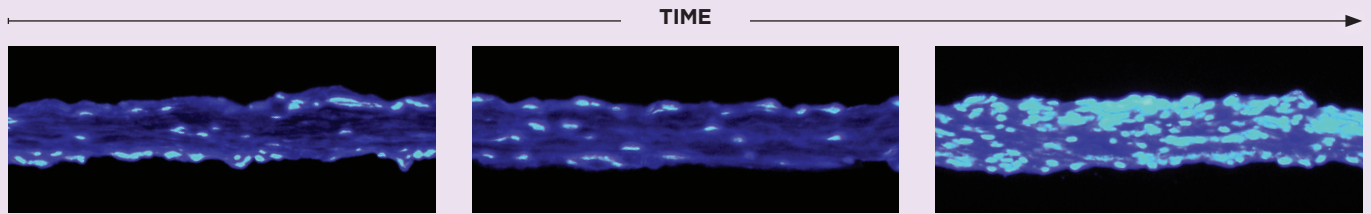


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## Endoform® provides a biologically accurate ECM scaffold

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<sup>3</sup>



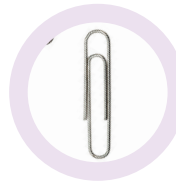
Images show DAPI (a fluorescent stain, diamidino phenylindole) stained Endoform® infiltrated with human fibroblasts cells after 0.5, 5 and 10 days. Images at 20x magnification.<sup>3</sup>

## Natural molecular structure

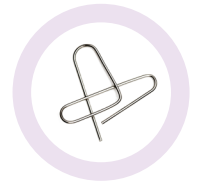
Endoform® preserves the natural form of its molecular components.

The paperclip analogy demonstrates how loss of structure results in loss of functionality.

Preserved Structure and Function for Use



Altered Structure and Loss of Function

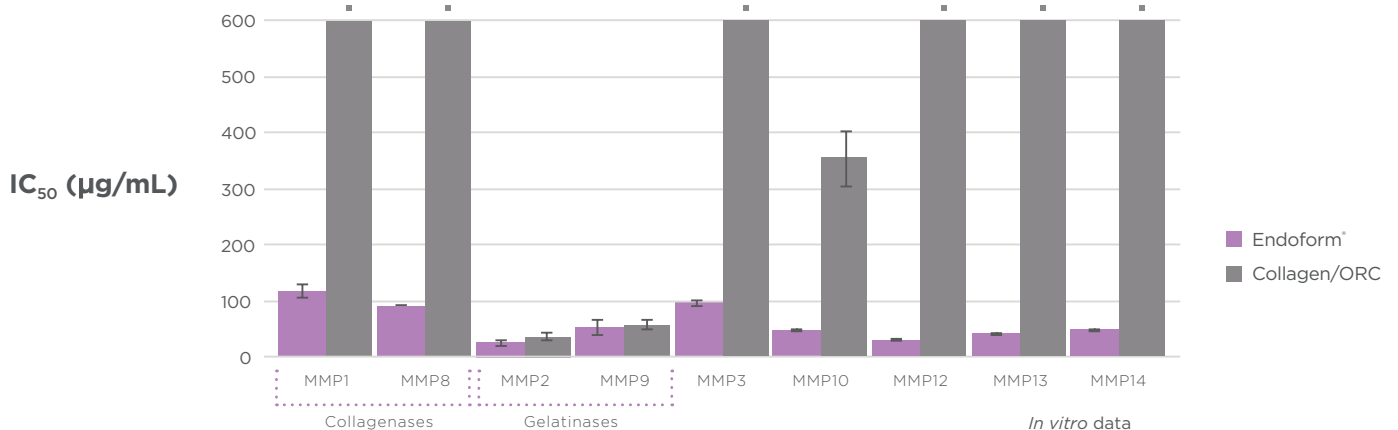


## Endoform® helps indicate the presence or absence of proteases and restores balance

Chronic wounds are characterized by elevated wound proteases that limit healing by digesting important dermal proteins.

While other dressings may only modulate the gelatinases MMP2 and MMP9, **Endoform®** has been shown to target multiple wound proteases including MMP1, MMP8, MMP13, MMP3, MMP10, MMP2, MMP9, MMP12, MMP14 and neutrophil elastase.<sup>4</sup> If **Endoform®** is not visible in the wound bed at the time of reapplication, this can indicate elevated wound protease activity. However, if **Endoform®** is visible, this can indicate that protease balance has been restored.<sup>5</sup>

## Endoform® shows significantly greater modulation of wound proteases vs Collagen/ORC<sup>4</sup>

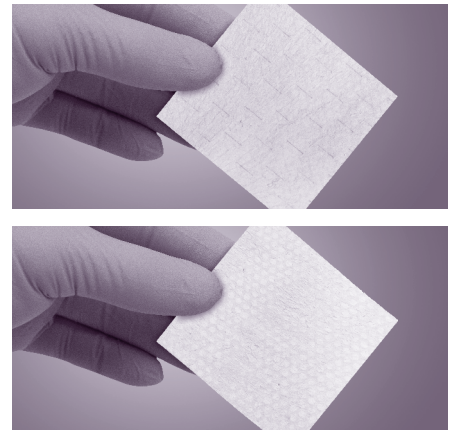


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## Ordering information

Endoform <sup>®</sup> Natural Dermal Template - Fenestrated			
Stock no.	Product Size	Quantity/Box	HCPCS
529312	2x2" (5cm x 5cm) fenestrated	10	A6021
529314	4x5" (10cm x 12.7cm) fenestrated	10	A6022
Endoform <sup>®</sup> Natural Dermal Template - Non Fenestrated			
Stock no.	Product Size	Quantity/Box	HCPCS
529311	2x2" (5cm x 5cm) non-fenestrated	10	A6021
529313	4x5" (10cm x 12.7cm) non-fenestrated	10	A6022



## Indications For Use:

**Endoform<sup>®</sup> 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.

1. Bohn G. Proactive and early aggressive wound management: A shift in strategy developed by a consensus panel examining the current science, prevention and management of acute and chronic wounds. *Wounds*. 2017 Nov; 29(11):S37-S42.
2. Data on file.
3. Lun, S., S. M. Irvine, K. D. Johnson, N. J. Fisher, E. W. Floden, L. Negron, S. G. Dempsey, R. J. McLaughlin, M. Vasudevamurthy, B. R. Ward and B. C. H. May (2010). "A functional extracellular matrix biomaterial derived from ovine forestomach." *Biomaterials* 31(16): 4517-4529.
4. Negron, L., S. Lun and B. C. H. May (2014). "Ovine forestomach matrix biomaterial is a broad spectrum inhibitor of matrix metalloproteinases and neutrophil elastase." *Int Wound J* 11(4): 392-397.
5. Champion S, Bohn G (2015). "Dressing appearance at change can give insight into dressing effectiveness in the wound". Symposium on Advances in Skin & Wound Care - Spring, New Orleans, LA.

**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 the US, please call please call 1-877-627-6224 or email customerservice@aroabio.com.**

HCPCS are for reference only and subject to change.



**AROA**

Manufactured for:  
**AROA BIOSURGERY INC**

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