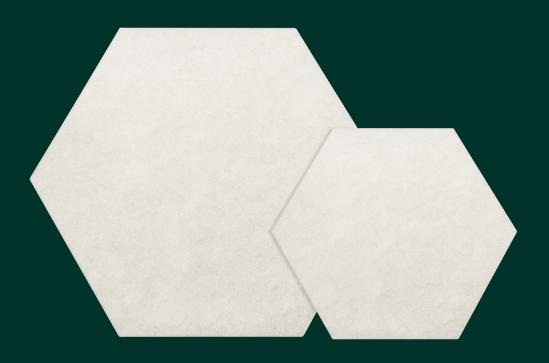


Product comparison series

Shown to significantly increase wound closure rates^{1,2,*}

Comparative effectiveness of 3M[™] Promogran Prisma[™] Collagen Matrix with ORC and Silver vs. Endoform[™] Dermal Template



3M[™] Promogran Prisma[™] Collagen Matrix with ORC and Silver

Promogran Prisma Matrix is the only collagen dressing to contain oxidized regenerated cellulose (ORC) and silver, and provides an effective antimicrobial barrier against common wound pathogens *in vitro* due to the antimicrobial properties of silver.³

While collagen alone is particularly effective against matrix metalloproteinases (MMPs), it has a limited effect on elastase activity. In vitro studies have demonstrated the combination of oxidized regenerated cellulose (ORC) and collagen materials had a greater effect in reducing both MMP and elastase activity than collagen alone.⁴ This is important because both MMP and elastate activity are highly predictive of non-healing wounds as shown below.⁵

Why is elastase important?

While MMPs are the most commonly discussed proteases related to wound healing, elastase is one of the most abundant proteases present in chronic wounds, the first of the proteases to arrive post-injury, and is responsible for damage to:⁶⁻⁸

- Fibronectin-Vital for cell adhesion and migration; must be present to signal growth factors to appear
- Elastin-Gives tissue elasticity
- Growth factors-PDGF, EGF





3M[™] Promogran Prisma[™] Collagen Matrix with ORC and Silver



1% Silver-ORC



How the dressings work

In the presence of exudate, Promogran Prisma Matrix and 3M[™] Promogran[™] Collagen Matrix with ORC transform into a soft, conformable, biodegradable gel, allowing contact with all areas of the wound. The dressings help create a moist wound bed and an environment that supports wound healing. During dressing changes, it is not necessary to remove any residual dressing.

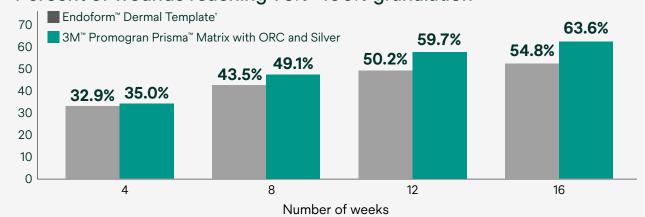
44% ORC

A comparative effectiveness study of 3M[™] Promogran Prisma[™] Collagen Matrix with ORC and Silver to Endoform[™] Dermal Template[†]

A comparative effectiveness (CE) study was conducted evaluating the value proposition of Promogran Prisma Matrix versus Endoform[™] Dermal Template⁺ in matched cohorts of patients undergoing treatment for diabetic foot ulcers (DFUs).⁹

3230 DFU patients were identified in the US Wound Registry (USWR) as having complete data records and using either Promogran Prisma Matrix or Endoform[™] Dermal Template.⁺ Propensity score matching across 37 variables was performed to construct a case-matched cohort with 844 total patients (422 in each product group).⁹

- Promogran Prisma Matrix showed a better percentage of wounds reaching 75–100% granulation faster at zero depth at 4, 8, 12 and 16 weeks.⁹
- When comparing time to 75–100% granulation after collagen application, the median time was 42 days for Promogran Prisma Matrix vs 60 days for Endoform[™] Dermal Template.⁺ (p= 0.0109)⁹



Percent of wounds reaching 75%–100% granulation⁹

The Promogran Prisma Matrix group had a significantly higher percentage of patients with wounds healed or improving.

Results

82% vs 74.6%

3M[™] Promogran Prisma[™] Matrix with ORC and Silver (p=0.0096)⁹

Wound demographics ¹		3M [™] Promogran Prisma [™] Matrix with ORC and Silver	Endoform [™] Dermal Template⁺	p-value	
Initial area (sq cm)	mean (sd)Cartridge,	6.5 (15.4)	6.8 (14.9)	0.7651	
	median (min, max)	1.5 (0, 148)	1.5 (0, 136.7)	0.8796	
Wound age at first encounter (days)	mean (sd)	145.2 (342.6)	115.1 (52.4)	0.6791	
	median (min, max)	34.5 (0, 3831)	36.5 (0, 3223)	0.577	
Lag time to first collagen application (days)	mean (sd)	47.5 (87.9)	45.5 (80.9)	0.7230	
	median (min, max)	14 (0, 901)	14 (0, 653)	0.8347	
3M [™] Promogran Prisma [™] Matrix					

Treatments ¹	with ORC and Silver	Endoform [™] Dermal Template⁺	p-value
Offloaded for a pressure ulcer	82 (19.4%)	76 (18.0%)	0.5965
Offloaded for a DFU	415 (98.3%)	414 (98.1%)	0.7945
Wound had NPWT treatment	58 (13.7%)	60 (14.2%)	0.8426
Wound had HBOT	92 (21.8%)	86 (20.4%)	0.6127

The wounds studied were small, chronic DFUs. Patients received offloading; approximately 20% received hyperbaric oxygen therapy (HBOT) sometime during treatment, and 14% received negative pressure wound therapy (NPWT).⁹

Unlike any other collagen dressing

3M[™] Promogran[™] Matrix Family of collagen dressings are uniquely formulated with Oxidized Regenerated Cellulose (ORC) and demonstrated effective through multiple clinical studies including Randomized Controlled Trials (RCTs) that were systematically reviewed in meta-analysis.^{8,9} These studies have shown the use of Promogran Matrix Family of collagen dressings:

- Are cost effective and have the potential to lower the total cost of treatment¹⁰
- Can significantly increase the number of wounds closed^{1,2}
- When used early in wound management, may lead to improved success rates¹¹⁻¹⁴
- The use of Promogran Prisma Matrix, has been shown to lower the rate of withdrawals due to wound infections in a RCT.⁵ The dressing is known to provide an effective antibacterial barrier against common wound pathogens in vitro due to the antibacterial properties of silver.³

To learn more about the benefits of Promogran Prisma Matrix contact your local Solventum representative.

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⁺Endoform[™] Dermal Template is a trademark of Aroa.

Follow local institutional protocols for infection control and waste disposal procedures. Local protocols should be based on the applicable federal, state and/or local government environmental regulations.

Note: Specific indications, contraindications, warnings, precautions and safety information exist for these products and therapies. Please consult a clinician and product instructions for use prior to application. Rx only.

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