



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

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



*In conjunction with good clinical practice.

Unlike any other collagen dressing



3M™ Promogran Prisma™ Collagen and 3M™ Promogran™ Collagen Matrix family of dressings are uniquely formulated with Oxidised Regenerated Cellulose (ORC) and demonstrated effective through multiple clinical studies including Randomised Controlled Trials (RCTs) that were systematically reviewed in meta-analysis.^{1,2}

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 treatment³
- Can significantly increase the number of wounds closed^{1,2}
- When used early in wound management, may lead to improved success rates⁴⁻⁷
- Has been shown to lower the rate of withdrawals due to wound infections in a RCT with use of 3M™ Promogran Prisma™ Collagen Matrix with ORC and Silver.⁵ The dressing is known to provide an effective antibacterial barrier against common wound pathogens *in vitro* due to the antibacterial properties of silver⁸



How the dressings work

In the presence of exudate, Promogran Prisma Matrix and Promogran Matrix 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.

A key difference is ORC

The only collagen dressing to have the unique combination of collagen and Oxidised Regenerated Cellulose (ORC).

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 Oxidised Regenerated Cellulose (ORC) and collagen materials had a greater effect in reducing both MMP and elastase activity than collagen alone.⁹ This is important because both are highly predictive of non-healing wounds as shown below.¹⁰

Why is elastase important?

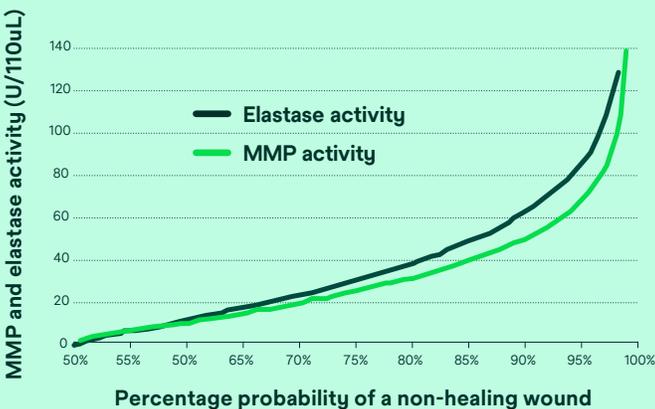
While MMPs are the most commonly discussed, elastase is one of the most abundant proteases present in chronic wounds, the first of the proteases to arrive post-injury, and is responsible for damage to:^{11,12,13}

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

Solventum’s exclusive pairing of collagen with ORC helps reduce elastase activity to promote healing.^{9,14*}

Problem

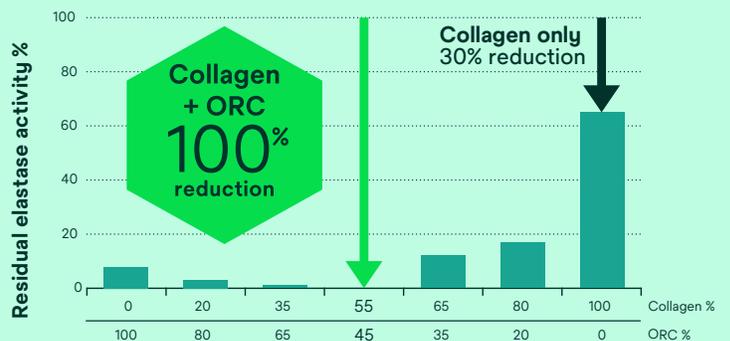
As protease activity increased for both MMPs and elastase, the probability of healing decreased.^{10,14}



*In vitro

Solution

Solventum’s exclusive combination of collagen + ORC led to a reduction in elastase activity after 24 hours.¹⁵



Demonstrated to potentially lower the cost of treating hard to heal wounds^{3*}

Time is money. Meta-analyses showed patients treated with 3M™ Promogran Prisma™ Collagen Matrix with ORC and Silver and 3M™ Promogran™ Collagen Matrix with ORC dressings are more likely to experience wound healing.^{1,2} The cost effectiveness of the treatment was also demonstrated.³ In addition, patients treated with Promogran Prisma Matrix showed a reduced risk of infection due to the antibacterial barrier properties of silver in the dressing.^{5,8}

1 Cost effective^{3*}

Using Promogran Matrix Family dressings is cost effective and has the potential to lower the total cost of treatment³ due to reduced nursing time and improved healing rates.

A retrospective clinical study on chronic wounds from different etiologies (n=974) demonstrated that sequential wound management with Promogran Prisma Matrix and Promogran Matrix was more cost-effective (reduced total treatment cost) than treatment with gauze dressings over a 2 month period. The cost advantage was attributed to reduced nursing time and improved healing rate.*

2 Increased number of wounds closed²

A systematic review of 10 clinical studies (n=1521) showed wounds treated using Promogran Matrix Family dressings can significantly increase the number of wounds closed.²

Based on a subset meta-analysis of 6 studies, wounds treated with collagen/ORC dressings are estimated to have odds of complete healing that are 1.74 times higher than with standard dressing (p=0.03).²

1.74x
higher odds to achieve complete healing²
(95% CI:1.06–2.85)

3 Fewer withdrawals due to infection⁵

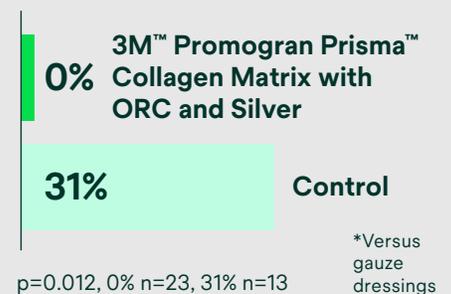
An RCT showed fewer withdrawals because of infection with Promogran Prisma Matrix.⁵

The dressing provides an effective antibacterial barrier against common wound pathogens as demonstrated by the in vitro reduction of bacterial growth⁹. Reduction of bacterial bioburden in the dressing may result in reduced risk of infection.

A 14 week RCT involving diabetic foot ulcer (DFU) patients (n= 39) showed:⁵

- Significantly more wounds (DFU's) achieved a greater than 50% reduction in wound area vs control (standard of care) at week 4 (79% vs 43%, p=0.035)
- The number of wounds withdrawn from the study due to infection was significantly greater in the control group (0% vs 31%, p=0.012)

Withdrawn due to infection





MMP activity reduced **97.6%**

Elastase activity reduced **51.3%**

Seven month old diabetic foot ulcer (DFU) heals in 14 weeks

A 74 year old male presented with a 2.5cm, 7 month old (DFU) on the bottom of the right foot (Figure 7A). The patient had a history of diabetes mellitus and had previously undergone a transmetatarsal amputation.

Wound fluid and measurements were taken at wound presentation and every 2 weeks up to 14 weeks. A 3M™ Promogran Prisma™ Collagen Matrix with ORC and Silver was applied over the wound. Wound fluid was tested for MMP-9 and elastase activity using either a fluorogenic substrate or immunocapture activity assay.

At presentation

- MMP activity = 227.2 relative fluorescence units (RFU)/minute/ml
- Elastase activity = 568.6 RFU/minute/ml

At week 12

- 97.6% reduction of MMP-9 activity and 51.3% reduction in elastase activity
- MMP activity = 5.4 RFU/minute/ml
- Elastase activity = 277.1 RFU/minute/ml



Figure 7A
Diabetic foot ulcer on bottom of right foot at presentation.



Figure 7B
Wound at week 4.



Figure 7C
Wound fully reepithelialised at week 14.

Case study images courtesy of Dr. Finn Gottrup, Professor of Surgery, MD, DMSci. As with any case study, the outcomes should not be interpreted as a guarantee or warranty of similar results. Individual results may vary depending on the patient's circumstances and condition.

Treat early, don't wait

Early treatment of wounds with 3M™ Promogran Prisma™ Collagen Matrix with ORC and Silver and 3M™ Promogran™ Collagen Matrix with ORC dressings may help improve healing rates versus non-active treatments.⁴⁻⁷

As wounds get older, the chances of the wound healing or improving decreases.⁴ Don't wait for a wound to stall. Help your patients get back to living their lives sooner. The collective evidence below shows that Promogran Matrix Family dressings help to improve wounds versus a control, and that wounds treated early in duration have higher healing rates. Thus, treating wounds earlier with Promogran Matrix Family Dressings may help improve healing rates over non-active treatments.

Wounds treated early have higher rates of healing or improvement.^{4,6}

- An RCT on Diabetic Foot Ulcers (DFUs) (n=276) showed a trend of healing among DFUs with less than 6 months' duration when treated with Promogran Matrix Family versus moistened gauze control (45% vs 33%, p=0.056)⁶
- A prospective randomized multi-centre study of Venous Leg Ulcers (VLUs) (n=56) showed a significant correlation between ulcer duration and healing using a multivariate analysis (p=0.004)⁴

Early usage
of Promogran Matrix Family may lead to improved success rate⁴⁻⁷

Promogran Matrix Family helps to improve healing rates

An RCT on VLUs (n=73) showed at 12 weeks a higher reduction in wound area with Promogran Matrix than the control group (median decrease 82.4% vs 44.6%, p<0.001).⁷

Median wound area reduction 12 week period



An RCT on DFUs (n=39) showed more wounds treated with the Promogran Matrix Family had greater than 50% reduction in wound area at week 4 (79% vs 43%, p=0.035).⁵

Median wound healing at 4 weeks



“ I would use it as our only collagen. All collagens are not created equal. ”

Dorothy (Dot) Weir, RN, CWON, CWS
Dot Weir is a paid consultant of 3M.

Two great dressing choices, Both with ORC

The only collagen dressing to have the unique combination of collagen and Oxidised Regenerated Cellulose (ORC)

Two products offering the right combination of materials, depending on your needs. 3M™ Promogran Prisma™ Collagen Matrix with ORC and Silver – for those wounds that can benefit from silver’s antimicrobial properties⁸ – and 3M™ Promogran™ Collagen Matrix with ORC.

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



1% Silver-ORC

55% Collagen

44% ORC

3M™ Promogran™ Collagen Matrix with ORC



55% Collagen

44% ORC

Promogran Matrix Family

Indications for use

Promogran Prisma Matrix and Promogran Matrix are intended for the management of exuding wounds including:

- Diabetic ulcers
- Venous ulcers
- Pressure injuries
- Ulcers caused by mixed vascular etiologies
- Full-thickness and partial-thickness wounds
- Donor sites and other bleeding surface wounds
- Traumatic wounds healing by secondary intention
- Dehisced surgical wounds
- May be used under compression therapy with health care professional supervision

Ordering information

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

Item code	Eaches/carton/box	Size
M772028	10 ea/ct – 4 ct/bx	28cm ² hexagon
M772123	10 ea/ct – 4 ct/bx	123cm ² hexagon

3M™ Promogran™ Collagen Matrix with ORC

Item code	Eaches/carton/box	Size
PS2028	10 ea/ct – 4 ct/bx	28cm ² hexagon
PS2123	10 ea/ct – 4 ct/bx	123cm ² hexagon

To learn more about how the 3M™ Promogran Prisma™ Collagen Matrix with ORC and Silver and 3M™ Promogran™ Collagen Matrix with ORC can help in the treatment of your patients, contact your local Solventum Account Representative.

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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.



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