3M Science. Applied to Life.™

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.

Promogran Prisma Matrix labeled for use with 3M™ ActiV.A.C.™ Therapy

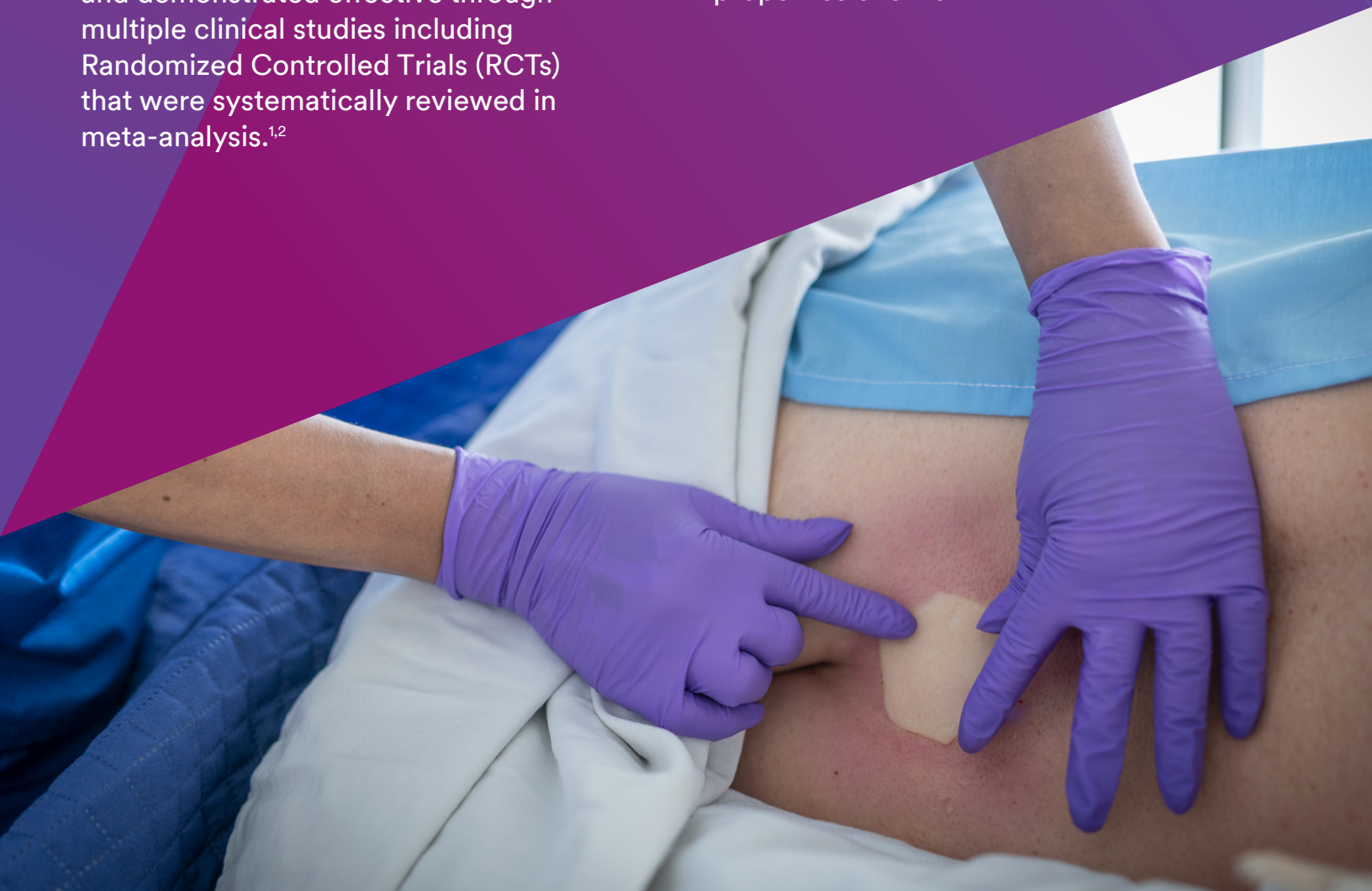
* In conjunction with good clinical practice.

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.[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 treatment[3]
- Can significantly increase the number of wounds closed[1,2]
- When used early in wound management, may lead to improved success rates[4-7]
- And the use of 3M™ Promogran Prisma™ Collagen Matrix with ORC and Silver, 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.[8]



A key difference is ORC.

The only collagen dressing to have the unique combination of collagen and Oxidized 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 Oxidized 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]

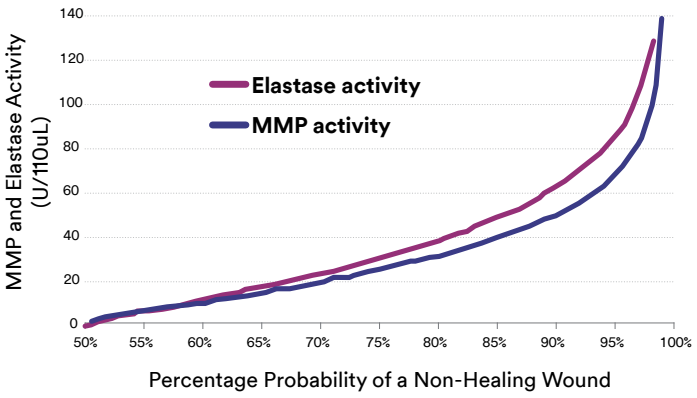
Why is elastase important?

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]

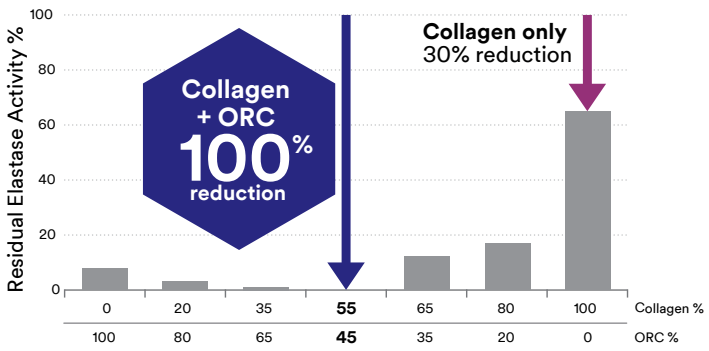
- Fibronectin–Vital for cell adhesion and migration; must be present to signal growth factors to appear
- Elastin–Gives tissue elasticity
- Growth factors–PDGF, EGF

3M'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]



Solution:
3M's exclusive combination of collagen + ORC led to a reduction in elastase activity after 24 hours.[15]



** In vitro*

Two great dressing choices. Both with ORC.

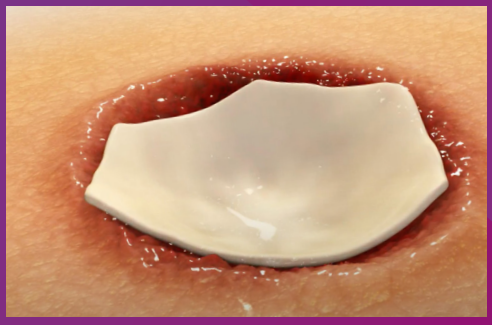
Two products offering the right combination of materials, depending on your needs. 3M™ Promogran Prisma™ Collagen Matrix with ORC and Silver—for those wounds that can benefit from silver's antimicrobial properties[8]—and 3M™ Promogran™ Collagen Matrix with ORC.

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

55% Collagen | 44% ORC | 1% Silver-ORC

3M™ Promogran™ Collagen Matrix with ORC

55% Collagen | 45% ORC



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.

Demonstrated to potentially lower the cost of treating hard to heal wounds.[3*]

Time is money. Meta-analyses showed patients treated with 3M™ Promogran™ Matrix Family of collagen 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 3M™ Promogran Prisma™ Collagen Matrix with ORC and Silver 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 treatment[3] due to reduced nursing time and improved healing rate.

A retrospective clinical study on chronic wounds from different etiologies (n=974) demonstrated that sequential wound management with Promogran Prisma Matrix and 3M™ Promogran™ Collagen Matrix with ORC 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 closed.[2]

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 healing[2]
(95% CI:1.06-2.85)

3 Fewer withdrawals due to infection.[5]

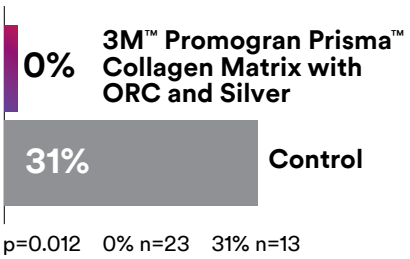
An RCT showed fewer withdrawals because of infection with Promogran Prisma Matrix.[5]

The dressing provides an effective antibacterial barrier against common wound pathogens as demonstrated by the *in vitro* reduction of bacterial growth[8]. 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



* Versus gauze dressings.

Case study

7-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™ 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

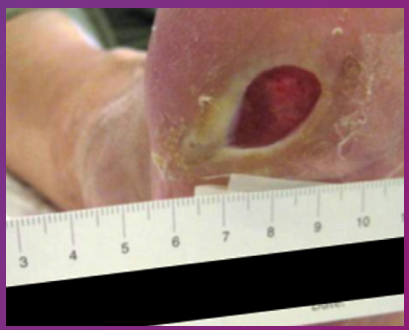


Figure 7A. Diabetic foot ulcer on bottom of right foot at presentation.

Figure 7B. Wound at week 4

Figure 7C. Wound fully reepithelialized 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™ Matrix Family 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.

Early usage
of Promogran Matrix Family may lead to improved success rate[4-7]

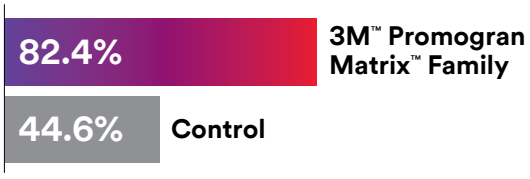
Wounds treated early have higher rates of healing or improvement.[4,6]

- 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-center 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]

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]

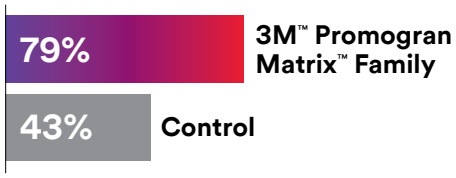
Median wound area reduction
(12-week period)



p<0.001)

- 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)



p=0.035

"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.

Labeled for use together.

3M™ Promogran Prisma™ Collagen Matrix with ORC and Silver is the only collagen dressing labeled for use with 3M™ ActiV.A.C.™ Therapy System.

Improved healing outcomes when used in combination vs. ActiV.A.C. Therapy System alone.[16]

The most studied NPWT product in the world is now labeled for use with the **most studied collagen** dressing in the world — ActiV.A.C.™ Therapy System and Promogran Prisma™ Matrix. Combined, these two leading wound treatment therapies have been shown to support improved healing outcomes.[16]

Promogran Prisma Matrix can be used in combination with the ActiV.A.C. Therapy System and associated foam dressings, 3M™ V.A.C.® Granufoam™ Dressing and 3M™ V.A.C.® Simplace™ Dressing, which may be used with either 3M™ Dermatac™ Drape or 3M™ V.A.C.® Drape. There are specific application steps for combined use of Promogran Prisma Matrix with ActiV.A.C.® Therapy System. Please refer to the complete Instructions for Use (IFU) provided in the Promogran Prisma Matrix dressing packages.

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

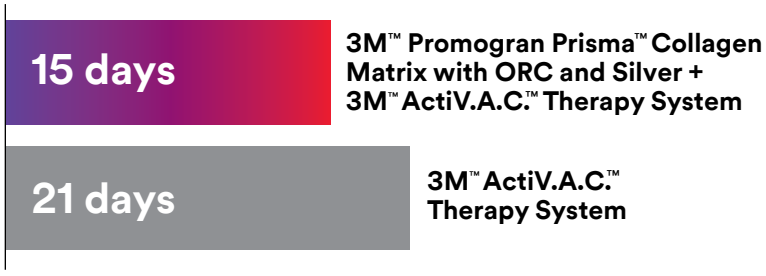
3M™ ActiV.A.C.™ Therapy System

Wound-healing outcomes

A real-world retrospective comparative analysis demonstrated improved healing outcomes with combined use of ActiV.A.C. Therapy and Promogran Prisma Matrix versus ActiV.A.C. Therapy alone. These results were statistically significant.[16]

The median time to achieve 75%-100% granulation tissue coverage with no measurable depth was 15 days for ActiV.A.C. Therapy and Promogran Prisma Matrix patients vs. 21 days for ActiV.A.C. Therapy patients (p=0.0037).

Benefits of combined use



p=0.0037

Case study

Sacral pressure injury treated with 3M™ Promogran Prisma™ Collagen Matrix with ORC and Silver and 3M™ ActiV.A.C.™ Therapy

Healthy granulation tissue formed after 6 days

A 70-year-old male presented with a non-healing sacral pressure injury. Previous medical history included paraplegia, multiple sclerosis, and hypertension. ActiV.A.C. Therapy was initiated. After 3 days, Promogran Prisma Matrix dressing with ActiV.A.C. Therapy use was started. After 6 days, healthy granulation tissue was observed in the wound bed.

Figure 1A. Wound at presentation (Day 0)

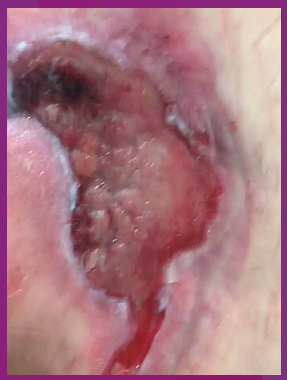


Figure 1B. Wound after 3 days of Promogran Prisma Matrix dressings and NPWT (Day 6)

Figure 1C. Application of Promogran Prisma Matrix dressings and ActiV.A.C. Therapy (Day 6)

Figure 1D. Wound after 6 days of Promogran Prisma Matrix dressings and ActiV.A.C. Therapy (Day 9)

Case study images courtesy of Dr. Michael N. Desvigne, MD, FACS, CWS, FACCWS. 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.

3M™ Promogran™ Matrix Family

Indications for use.

3M™ Promogran Prisma™ Collagen Matrix with ORC and Silver and 3M™ Promogran™ Collagen Matrix with ORC are intended for the management of exudating 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/Case**	**Size**	**HCPCS code**
MA028	10 ea/ct - 4 ct/cs	4.34 sq. in. Hexagon	A6021
MA123	10 ea/ct - 4 ct/cs	19.1 sq. in. Hexagon	A6022
MA032	6 ea/ct - 4 ct/cs	3/8" x 3/8" x 12 5/8" Rope	A6024

3M™ Promogran™ Collagen Matrix with ORC			
Item code	**Eaches/Carton/Case**	**Size**	**HCPCS code**
PG004	10 ea/ct - 4 ct/cs	4.34 sq. in. Hexagon	A6021
PG019	10 ea/ct - 4 ct/cs	19.1 sq. in. Hexagon	A6022

Product Ordering Information

3M™ Promogran Prisma™ Collagen Matrix with ORC and Silver and 3M™ ActiV.A.C.™ Therapy System

Indications for use.

Promogran Prisma Matrix when used with the ActiV.A.C. Therapy System is intended for the management of exuding wounds. Under supervision of a health care professional, Promogran Prisma Matrix with ActiV.A.C. Therapy System may be used for the management of:

- Venous ulcers
- Traumatic wounds healing by secondary intention
- Pressure ulcers
- Dehisced surgical wounds
- Diabetic ulcers
- Partial-thickness burns

For detailed instructions on how to apply Promogran Prisma Matrix in combination with ActiV.A.C. Therapy System, please refer to the Instructions for Use (IFU) for both products at: **hcbgregulatory.3m.com**

Ordering information - 3M™ ActiV.A.C.™ Therapy System and accessories, listed below, are labeled for combined use.

3M™ V.A.C.® Therapy System Dressings and Accessories

	Product	Description		Qtys*	SKU
	**3M™ Dermatac™ Drape w/ V.A.C.® Granufoam™ Dressing Kit, Small**	• 1 3M™ V.A.C.® Granufoam™ Dressing (10 × 7.5 × 3.2cm) • 1 sheet of 3M™ Dermatac™ Drape	• 1 3M™ SensaT.R.A.C.™ Pad with connector • 1 disposable ruler	• Case of 5 • Case of 10	• DTGF05PKS • DTGF10PKS
	3M™ Dermatac™ Drape w/ V.A.C.® Granufoam™ Dressing Kit, Medium	• 1 3M™ V.A.C.® Granufoam™ Dressing (18 × 12.5 × 3.2cm) • 1 sheet of 3M™ Dermatac™ Drape	• 1 3M™ SensaT.R.A.C.™ Pad with connector • 1 disposable ruler	• Case of 5 • Case of 10	• DTGF05PKM • DTGF10PKM
	3M™ Dermatac™ Drape w/ V.A.C.® Granufoam™ Dressing Kit, Large	• 1 3M™ V.A.C.® Granufoam™ Dressing (26 × 15 × 3.2cm) • 2 sheets of 3M™ Dermatac™ Drape	• 1 3M™ SensaT.R.A.C.™ Pad with connector • 1 disposable ruler	• Case of 5 • Case of 10	• DTGF05PKL • DTGF10PKL
	**3M™ V.A.C.® Granufoam™ Dressing Kit, Small**	• 1 3M™ V.A.C.® Granufoam™ Dressing (10 × 7.5 × 3.2cm) • 1 sheet of 3M™ V.A.C.® Drape	• 1 3M™ SensaT.R.A.C.™ Pad with connector • 1 disposable ruler	• Case of 5 • Case of 10	• M8275051/5 • M8275051/10
	3M™ V.A.C.® Granufoam™ Dressing Kit, Medium	• 1 3M™ V.A.C.® Granufoam™ Dressing (18 × 12.5 × 3.2cm) • 2 sheets of 3M™ V.A.C.® Drape	• 1 3M™ SensaT.R.A.C.™ Pad with connector • 1 disposable ruler	• Case of 5 • Case of 10	• M8275052/5 • M8275052/10
	3M™ V.A.C.® Granufoam™ Dressing Kit, Large	• 1 3M™ V.A.C.® Granufoam™ Dressing (26 × 15 × 3.2cm) • 2 sheets of 3M™ V.A.C.® Drape	• 1 3M™ SensaT.R.A.C.™ Pad with connector • 1 disposable ruler	• Case of 5 • Case of 10	• M8275053/5 • M8275053/10
	**3M™ V.A.C.® Simplace™ EX Dressing Kit, Medium**	• 2 spiral 3M™ V.A.C.® Granufoam™ Spiral Dressing (14.7 × 17.4 × 1.75cm, fully unwound: 81.3 cm)	• 1 sheet of V.A.C.® Drape and 2 drape strips • 1 3M™ SensaT.R.A.C.™ Pad with connector • 1 disposable ruler	• Case of 5	• M8275045/5
	**3M™ Dermatac™ Drape**	• 1 sheet of 3M™ Dermatac™ Drape (19.7 × 21 cm)		• Case of 10	• DTAC10LDP
	**3M™ V.A.C.® Drape**	• 1 sheet of adhesive drape (30.5 × 26 cm)		• Case of 10	• M6275009/10

* For insurance-bill claims orders, default quantities will be shipped unless otherwise specified. Payor restrictions may apply.

To learn more about how the 3M™ Promogran™ Matrix Family, or the combined use of 3M™ Promogran Prisma™ Collagen Matrix with ORC and Silver and 3M™ ActiV.A.C.™ Therapy System, can help in the treatment of your patients, contact your local 3M Account Representative, call the 3M Health Care Helpline at 1-800-275-4524, or visit 3M.com/Medical for more information.

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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3M Company
2510 Conway Ave
St. Paul, MN 55144 USA

Phone 1-800-275-4524 (NPWT products)
1-800-228-3957
Web 3M.com/medical