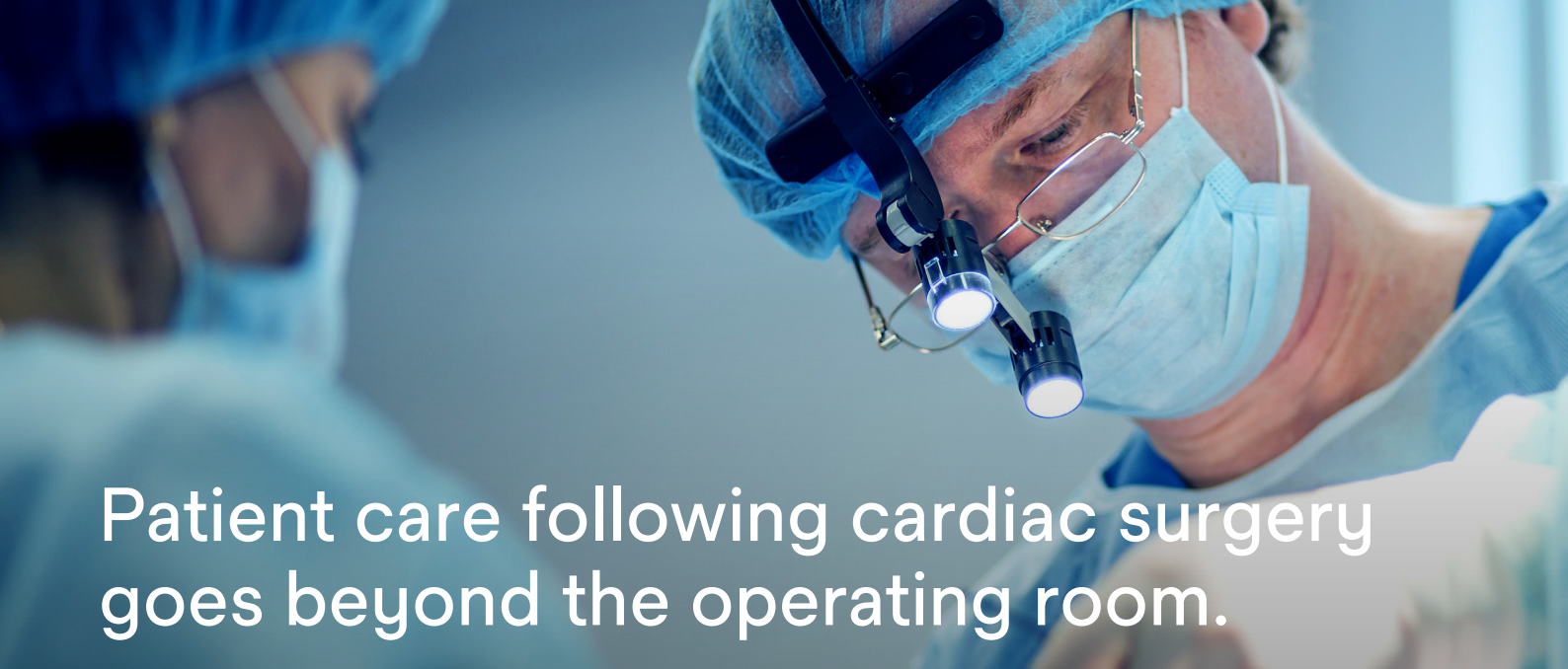


3M™ Prevena™ Therapy

The power to protect

Advancing the standard of care
for cardiac surgery beyond
the operating room





Patient care following cardiac surgery goes beyond the operating room.

In an increasingly overwhelmed healthcare system, surgeons are asked to do more with fewer resources, potentially creating complications for patients that extend beyond the operating room. These complications can create a ripple effect of consequences, like disrupted healing, extended hospital stays and poor patient outcomes.

Managing the ripple effect

Today’s complex care environment makes protecting against the ripple effect of surgical site complications a priority, and clinicians are increasingly adopting lower-touch solutions that promote:

- Efficiency and cost-effectiveness
- Minimal complications
- Home-based recovery
- Minimal hospital stays
- Low readmissions
- Telehealth consultations
- Portability of care

Recognising the risks of cardiac surgery

Open-heart cardiac surgery with median sternotomy access can sometimes be followed by severe complications, including sternal wound infections (SWIs). SWIs are a rare and life-threatening complication which are particularly challenging to treat in cardiothoracic surgery patients. The greatest concern with SWIs is the risk of progressing into deep sternal wound infections (DSWIs), potentially leading to mediastinitis, which is associated with a high risk of mortality and cost.



Deep sternal wound infections are associated with up to 50% mortality rate¹



Average increase in hospital length stay from SSI following cardiac surgery²



Additional average costs due to SSI following cardiac surgery^{2*}

*Calculated as additional average costs of treating patients with an SSI of €36,261 against the average costs of treating patients without an SSI of €13,356.10
3M™ Prevena™ Dressings and 3M™ Prevena Restor™ Dressings can be applied to various procedures and anatomical locations.



Extend your control over postoperative healing.

3M™ Prevena™ Therapy is designed for the management of closed incisions, to help reduce the risk of post-operative complications, such as infection. It helps protect the incision site after surgery for up to 7 or 14 days,* extending your control over postoperative healing, especially in patients at risk of developing complications.

Prevena Therapy offers surgeons the confidence to help protect patients beyond the operating room.



Acting as a barrier to external contamination.



Decreasing lateral tension of sutured/stapled incisions.³



Delivering continuous -125 mmHg up to 7 or 14 days.*



Removing fluids and infectious materials.**



Helping to hold incision edges together.



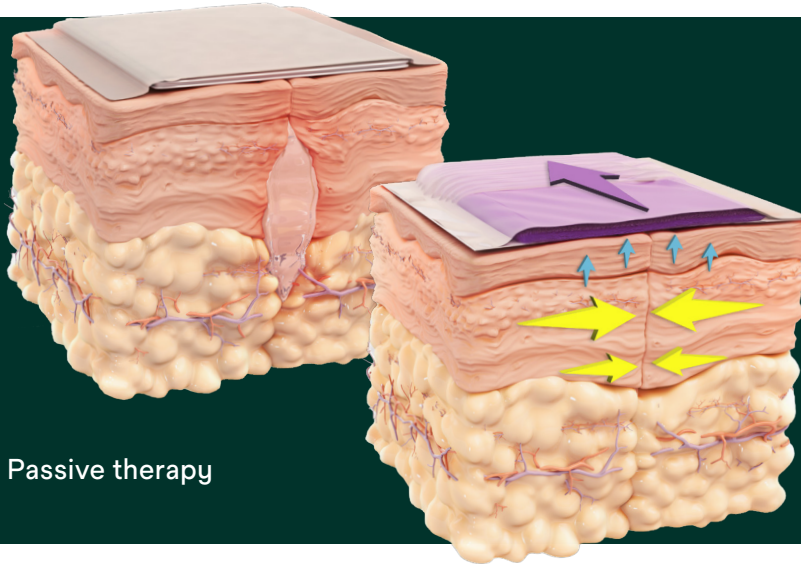
Reducing oedema.

*Maximum length of therapy with 3M™ Prevena™ Therapy Platform is 7 days. Maximum length of therapy with 3M™ Prevena Restor™ Therapy Platform is 14 days.
**In a canister.

3M™ Prevena™ Dressings and 3M™ Prevena Restor™ Dressings can be applied to various procedures and anatomical locations.

The advanced science of 3M™ Prevena™ Therapy.

Prevena Therapy utilizes continuous -125 mmHg negative pressure therapy, reticulated open cell foam (ROCF) dressing technology, and optimised exudate management (replaceable canister) over closed incisions to help enhance healing.



Passive therapy

Prevena Therapy

- Appositional force
- Tissue decompression
- Direction of fluid

Designed to help optimise postoperative care:

- Contours allow for even distribution of negative pressure
- Adhesive film creates a barrier to external contaminants
- Improved fluid management*
- Conforms to allow movement
- Contains 0.019% ionic silver to help reduce bacterial colonisation in the fabric

How Prevena Therapy may help reduce postoperative oedema.

The effects of negative pressure therapy applied to intact skin were evaluated using finite element analysis (FEA).⁴

Based on the analysis, it is hypothesized that negative pressure therapy on intact skin provides volumetric expansion that may help:

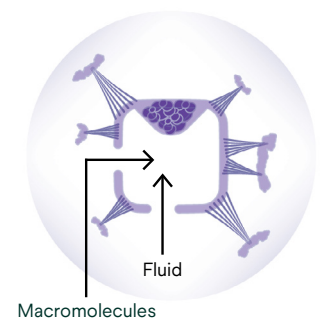
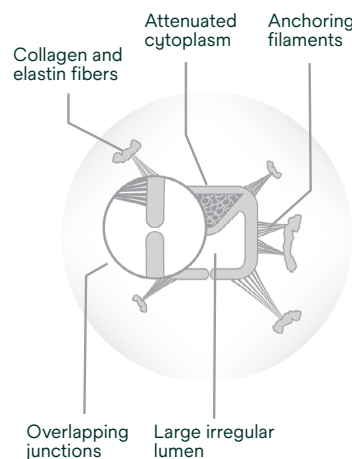
- Expand the tissue beneath the dressing, pulling the tissue open
- Lower local interstitial fluid pressure
- Open lymphatics to allow fluid clearance

With oedema

Closed terminal lymphatic pore (overlapping endothelial cells)

Without oedema

Open terminal lymphatic pore (Separated endothelial cells)

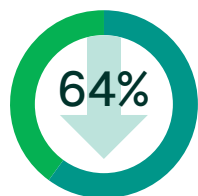


*In a canister.

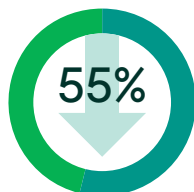
Clinical evidence supporting the use of 3M™ Prevena™ Therapy is growing

A systematic review and meta-analysis of seven studies for cardiac surgery procedures demonstrated 3M™ Prevena™ Therapy experienced a significant reduction in the risk of surgical site infections (SSIs).⁵

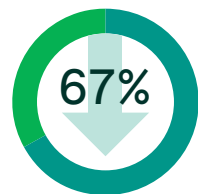
Reduced clinical complication risk:



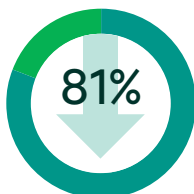
All SWIs
5.6% Prevena Therapy vs. 15.5% Standard Dressing (p=0.0001)*



Deep SWIs
1.8% Prevena Therapy vs. 4.0% Standard Dressing (p=0.0001)*

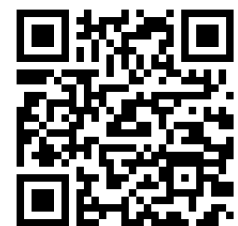


Superficial SWIs
3.7% Prevena Therapy vs. 11.4% Standard Dressing (p=0.0001)*



ICU Readmissions
0.4% Prevena Therapy vs. 2.1% Standard Dressing (p=0.0001)*

To access more peer reviewed clinical evidence, simply scan the QR code below to request your copy of our clinical evidence compendium.



Backed by science. Trusted by many.

Prevena Therapy is utilised and trusted by many clinicians worldwide to help manage closed incisions for at-risk patients and procedures.



200+
peer-reviewed clinical articles**



30+
randomised controlled trials**



From hospital



To home

*Statistically significant (p < 0.05).

Calculation(s) are derived based on the relative patient group incidence rate reported in this study.

**As of November 2022.

Rethink incision management.

Acts as a barrier

Designed to minimise external contamination to help reduce surgical site complications.

Precision designed

Dressings seamlessly conform to the patient for even distribution of negative pressure and allows for patient movement.

Easy to use

A variety of peel and place dressings are available, plus customisable options.

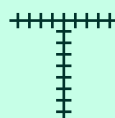
Shower-friendly

See Prevena Therapy Patient and Clinician Guides for additional details.

3M™ Prevena™ Dressings

Linear coverage

Prevena Peel and Place Dressings help protect and manage the environment of closed surgical incisions and remove fluid away from the surgical incision via the application of continuous negative pressure.



Linear coverage

Designed to manage linear, intersecting, and multiple incisions

Pre-shaped designs for peel and place application



3M™ Prevena™ Peel and Place Dressing – 13 cm



3M™ Prevena™ Peel and Place Dressing – 20 cm



3M™ Prevena™ Plus Peel and Place Dressing – 35 cm

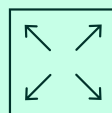
Designed for flexibility and user customization



3M™ Prevena™ Customizable Dressing

Area Coverage

Prevena Restor Dressings offer comprehensive protection for a variety of anatomical locations. When combined with negative pressure, the dressings help provide stabilisation and help protect the surgical site and surrounding soft tissue from complications and swelling.



Expanded coverage area

Designed to extend coverage and manage the surgical site and surrounding soft tissue envelope.

Pre-shaped designs for peel and place application



3M™ Prevena Restor™ Arthro•Form™ Dressing



3M™ Prevena Restor™ Bella•Form™ Dressing



Compatible with Solventum negative pressure wound therapy devices.



3M™ Prevena™ Plus 125 Therapy Unit

One single-use negative pressure therapy unit compatible with all 3M™ Prevena™ Dressings.

Negative pressure features:

- Pre-set, continuous negative pressure therapy at -125 mmHg for up to 7 or 14 days*
- Disposable, single patient use
- Rechargeable battery

Specifications:

- Dimensions: Approx 8.9 x 16.3 x 5.49 cm
- Weight with empty canister: 0.29 kg



Prevena Dressings are also compatible with Solventum traditional negative pressure therapy devices: 3M™ V.A.C.® Ultra Therapy Unit, 3M™ ActiV.A.C.® Therapy Unit

Ordering information

SKU	Description	UOM
Therapy Devices		
PRE4010	3M™ Prevena™ Plus 125 Therapy Unit – 14 day	Each
Dressings		
PRE1155	3M™ Prevena™ Peel and Place Dressing – 13 cm	Case of 5
PRE1055	3M™ Prevena™ Peel and Place Dressing – 20 cm	Case of 5
PRE3255	3M™ Prevena™ Plus Peel and Place Dressing – 35 cm	Case of 5
PRE4055	3M™ Prevena™ Plus Customizable Dressing	Case of 5
PRE5055	3M™ Prevena Restor™ Arthro•Form™ Dressing – 33 cm x 30 cm	Case of 5
PRE5155	3M™ Prevena Restor™ Arthro•Form™ Dressing – 46 cm x 30 cm	Case of 5
PRE5255	3M™ Prevena Restor™ Bella•Form™ Dressing – 21 cm x 19 cm	Case of 5
PRE5355	3M™ Prevena Restor™ Bella•Form™ Dressing – 24 cm x 22 cm	Case of 5
PRE5455	3M™ Prevena Restor™ Bella•Form™ Dressing – 29 cm x 27 cm	Case of 5
Accessories		
PRE1095	3M™ Prevena™ 45 ml Canister	Case of 5
PRE4095	3M™ Prevena™ Plus 150 ml Canister	Case of 5
PRE9090	3M™ Prevena™ Therapy V.A.C.® Connector	Case of 10
Kits		
PRE1001	3M™ Prevena™ Incision Management System – 20 cm	Each
PRE1101	3M™ Prevena™ Incision Management System – 13 cm	Each
PRE3201	3M™ Prevena™ Plus Incision Management System – 35 cm	Each
PRE4001	3M™ Prevena™ Plus Customizable Incision Management System	Each
PRE1121	3M™ Prevena™ Duo Incision Management System – 13 cm/13 cm	Each
PRE5001	3M™ Prevena Restor™ Arthro•Form™ Incision Management System – 33 cm x 30 cm	Each
PRE5101	3M™ Prevena Restor™ Arthro•Form™ Incision Management System – 46 cm x 30 cm	Each
PRE5221	3M™ Prevena Restor™ Bella•Form™ Incision Management System – 21 cm x 19 cm	Each
PRE5321	3M™ Prevena Restor™ Bella•Form™ Incision Management System – 24 cm x 24 cm	Each
PRE5421	3M™ Prevena Restor™ Bella•Form™ Incision Management System – 29 cm x 27 cm	Each

*Maximum length of therapy with 3M™ Prevena™ Therapy Platform is 7 days. Maximum length of therapy with 3M™ Prevena Restor™ Therapy Platform is 14 days.

Discover more at Prevena Central.



Prevena Central is your one-stop platform for all things 3M™ Prevena™ Therapy. Designed with busy healthcare professionals in mind, Prevena Central provides incision management resources that help to advance the standard of care.

To access Prevena Central visit
www.3M.co.uk/Prevena or scan the QR code.



Note: Specific indications, limitations, contraindications, warnings, precautions and safety information exist for these products and therapies. Please consult a clinician and product instructions for use prior to application. This material is intended for healthcare professionals.

References:

1. Willy C, Engelhardt M, et al. The impact of surgical site occurrences and the role of closed incision negative pressure therapy. *International Wound Journal*. 2016, Pages 35–46.
2. Graf K, Ott E, Vonberg RP, et al. Surgical site infections e economic consequences for the health care system [Review] *Langenbecks Archs Surg* 2011;396:453e9.
3. Wilkes RP, Kilpadi DV, Zhao Y, et al. Closed incision management with negative pressure wound therapy (CIM): Biomechanics. *Surg Innov*. 2012;19(1):67–75.
4. Haridas B, Kieswetter K, Haggerty M. Test Report: Negative Pressure Therapy on Intact Skin: Poroelastic Finite Element Modeling of Interstitial Fluid Pressures. DOC- 0000049240 Rev A, 1-13. 6-27-2019. San Antonio, TX, KCI. Ref Type: Report.
5. Loubani M, Cooper M, Silverman R, Bongards C, Griffin L. Surgical site infection outcomes of two different closed incision negative pressure therapy systems in cardiac surgery: Systematic review and meta-analysis. *Int Wound J*. 2024;21(1):e14599.



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