Protected

Protection for every post-operative wound
At Smith & Nephew, we believe that when a break occurs in the skin, using a barrier dressing should be the first strategy in the management of wounds.

We offer a comprehensive range of post-operative dressing solutions to suit every patient’s needs.

It’s all about protection; whether it’s a low risk or high risk wound.

The following pages provide an overview of the different options available.
OPSITE™ Post-Op

Optimum healing environment
OPSITE Post-Op provides an optimal balance between excess wound exudate and the amount of fluid required for moist wound healing, which may explain the improved healing rate observed with this dressing.¹

Patient and nurse satisfaction
Patient satisfaction was significantly better in the OPSITE Post-Op group with 90% of patients rating the dressing as excellent.²

Mean wear time
Mean wear time of OPSITE Post-Op has been shown to be twice as long as a non-woven dressing,³ which could contribute to lower treatment costs.

Help prevent blistering
"...OPSITE Post-Op... was found to cause less blistering and was therefore associated with fewer wound complications, potentially leading to a shortened hospital stay."¹

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Easy application system
Ensures easy and precise placement

Waterproof film
Patient can shower with dressing in situ

Highly absorbent pad
Allows lateral spread across the pad to maximise absorbency, reducing the risk of skin maceration and minimising the number of dressing changes

Bacterial barrier
Provides a barrier against bacteria including MRSA to reduce the risk of infection

High Moisture Vapour Transmission Rate (MVTR)
The REACTIC™ film has a unique molecular structure with an average MVTR of 11000gm⁻²/24hr@37°C.²⁹ This allows unwanted moisture to transpire and helps prevent infection and drying out of the wound
OPSITE® Post-Op Visible

Vital protection against serious consequences

Provides an impermeable barrier against bacteria\(^{18}\), including MRSA \((\text{in vitro})^4\), to reduce the risk of surgical site infection.

Continual monitoring

Patented design allows continual monitoring of the incision site without the need to disrupt the healing process.

‘providing both visibility and absorbency to promote longer wear times and fewer unnecessary dressing changes.’\(^5\)

Help prevent blistering

In patients undergoing total hip and knee replacement surgery OPSITE Post-Op Visible has been shown to reduce the rate of skin blistering from 14% to 8%.\(^6\)

‘its elasticity allowed for post-operative oedema and did not restrict limb movement.’\(^6\)

Patient satisfaction

‘Patients reported satisfaction with the dressing and stated they found it exceptionally comfortable and conformable. It also gave them confidence as they felt protected from the risk of infection.’\(^7\)

High moisture vapour transmission rate (MVTR)

The reactive film has a unique molecular structure with an average MVTR of 11000 gm\(^{-2}\)/24hr@37°C.\(^{29}\) This allows unwanted moisture to transpire and helps prevent infection and drying out of the wound.

Waterproof film

Patients can shower with dressing \textit{in situ}\(^8\)

Comfort and conformable

The unique dressing design and low-allergy\(^{16}\) adhesive ensure it’s comfortable to wear and easy to apply and remove\(^9\)

Bacterial barrier

Provides a barrier against bacteria\(^{18}\), including MRSA \((\text{in vitro})^4\), to reduce the risk of infection\(^4\)

Lattice hydrocellular foam

Allows you to monitor progress of the wound as often as you like without unnecessary dressing changes for your patients.
OPSITE™ Visible Drain Dressing

Patented design

The new OPSITE Visible Drain Dressing has a triple layer construction which combines a low adherent wound contact layer,9 hydrocellular lattice foam pad, a highly permeable waterproof film10 and two film securing strips.

It is designed specifically for dressing drainage tubes and other percutaneous catheters.

Highly absorbent lattice pad

The foam pad facilitates lateral spread across the lattice pad, which maximises absorbency reducing the risk of skin11 maceration.

Waterproof10 and bacteria proof film18

The film is impermeable to liquids and MRSA \textit{in vitro}4, and while the dressing remains intact, protects the drain site from outside contamination, helping to reduce the risk of infection.

Lattice foam structure

The lattice design of the hydrocellular foam pad allows continual visualisation of the drain site and surrounding skin without changing the dressing.

Securing strips

Two securing strips for added stability of the drain and protection of the drain insertion site.

Comfort and conformable

The innovative design ensures that it is comfortable to wear. The pattern spread low allergy adhesive helps to minimise pain on removal11.
ACTICOAT® Post-Op

Designed to protect high-risk surgical wounds

Delivers a powerful and long lasting antimicrobial effect\(^9,20,21\) and is bactericidal on over 150 pathogens including MRSA, VRE and fungal organisms \textit{in vitro}\(^9\), sustaining this activity for up to 7 days.\(^{20}\)

A study on lower extremity revascularisation wounds found wound complications in the ACTICOAT* group were found to be 64% lower than the control group.\(^{22}\)

Dynamic antimicrobial protection

The ACTICOAT Post-Op wound dressing utilises the dynamic, silver release properties of nanocrystalline silver technology.

Designed for surgical wounds

ACTICOAT Post-Op has been designed specifically to protect surgical wounds and to minimise the risk of infection.

\textit{In a study on cardiothoracic procedures, surgical site infections fell from 4.7\% to 0\% as a result of the risk management intervention by integration of ACTICOAT dressings into post-surgical infection control protocols.}\(^{23}\)

*Product used: ACTICOAT Absorbent
NO-STING SKIN-PREP® Range

The new and improved range of NO-STING SKIN-PREP products complements our range of post-operative dressings.

**New formula**

The improved formula is still alcohol free, reducing the potential for stinging when applied to vulnerable skin. Forming a breathable protective layer between the skin and the dressing adhesive, NO-STING SKIN-PREP **dries in less than 30 seconds, and lasts up to four days**, reducing the need for frequent applications.

Paediatrician tested, hypo-allergenic and latex free, our new formula is suitable for patients of any age whose skin is at risk.

**New formats – Spray and swabs**

The addition of a spray and swab format provides increased options for clinicians. NO-STING SKIN-PREP Spray is a liquid film-forming dressing that leaves a clear waterproof, breathable and conformable barrier that allows for visual assessment of the periwound area.

*Heidi Hogue, RN, BScN, Director of the Wound Healing Institute of Southeast Arkansas said, ‘I've been using the NO-STING SKIN-PREP Spray, and the product has exceeded my expectations. I've seen the product perform well when used with Negative Pressure Wound Therapy. I also use it around the periwound areas of pressure, venous and diabetic foot ulcers. NO-STING SKIN PREP Spray is easy to use and it helps me help my patients by preventing and reducing irritation to the skin, and reducing the risk of skin trauma.’*
Tackling Healthcare Acquired Infections (HAIs)

• Each year in Australia there are approximately 200,000 HAIs\(^{24}\)

• A reduction of HAI rates by 1% would release enough beds for ~ 38,500 new admissions\(^{25}\)

• The development of a surgical site infection (SSI) is probably the most recognised presentation of a HAI\(^{26}\)

• Surgical site infections (SSIs) are associated with substantial morbidity, mortality and costs\(^{26}\)

• 8.46% of surgical patients first present with a SSI after they have left hospital\(^{27}\)

• Patients with a HA SSI can prolong length of hospital stay by 2.51 days\(^{27}\)

• The economic impact of SSIs following certain surgical procedures can be significant. For example: Whilst infection rates are low in joint replacement procedures, the consequences of infection are enormous with a multicentre study in Victoria finding the average cost of a SSI following hip arthroplasty to be $34,138 and knee arthroplasty $40,940.\(^{26}\)
Protection from harmful bacteria

The images below show the growth of MRSA on both the inner and outer layers of a film and a non-woven dressing following inoculation and a 24 hour incubation period. Images show that a porous, structured dressing can allow a passage for bacteria from the outer surface to the wound contact surface, whereas a polymer film dressing does not allow transmission of bacteria through the film. Dressing materials that offer a continuous physical barrier between the wound contact surface and outer surfaces, such as polymer films, provide effective bacterial properties when tested *in vitro.*

![Images showing growth of MRSA](image1.png)

Recommendation Smith & Nephew solution Benefit

<table>
<thead>
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<th>Recommendation</th>
<th>Smith &amp; Nephew solution</th>
<th>Benefit</th>
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<tr>
<td>A wound management regimen should include strategies to minimise infection risk. These should be embedded in service provider protocols and practices.</td>
<td>ACTICOAT Post-Op</td>
<td>Contains nanocrystalline silver, delivering a powerful and long lasting antimicrobial effect to the wound.</td>
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<tr>
<td>All wounds should be assessed regularly for the indicators of infection and outcomes of the assessment documented.</td>
<td>OPSITE Post-Op Visible</td>
<td>OPSITE Post-Op Visible provides continual monitoring of the incision site without the need to remove the dressing for inspection. This minimises environmental contact and exposure to external pathogens.</td>
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Bacterial Impact on Wound Healing – AWMA Position Paper

OPSITE Post-Op Visible and ACTICOAT Post-Op provide an optimal environment for healing in line with AWMA’s recommendations for managing the bacterial impact on wound healing.
For further information on OPSITE Post-Op, OPSITE Post-Op Visible and ACTICOAT Post-Op please visit our website: www.wound.smith-nephew.com.au

### OPSITE™ Post-Op

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### NO-STING® SKIN-PREP®

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References


15. Waterproof test carried out routinely by Quality Assurance laboratory Smith & Nephew Medical Ltd, Hull.


20. Westaim Report Ref #010322. Seven day efficacy of ACTICOAT 7 Dressing against multiple organisms.


29. Smith & Nephew data on file 0512004

