

3M™ Ioban™ 2 Antimicrobial Incise Drape

Trusted protection

Microorganisms on patient's own skin are a major source of surgical site infections (SSIs).

Clinicians take great care to create a sterile field in order to prevent intraoperative contamination from skin bacteria. However, the surgical site is commonly left exposed. Even with optimal skin preparation, total sterilization of the skin is impossible. You need more than a surgical prep to help prevent microbial regrowth or residual microbes from migrating into the wound or incision site.

Help reduce microorganisms to guard against SSI

To help guard against SSIs, Ioban 2 Antimicrobial Incise Drape creates an optimized wound incision environment through continuous antimicrobial activity, immobilizing bacteria and conformable adhesion that helps the drape stay in place throughout the surgical procedure.



Continuous antimicrobial activity

Provides continuous broad-spectrum antimicrobial activity to help reduce the risk of surgical site contamination.



Immobilizes bacteria

Immobilizes bacteria on the skin, helping to prevent migration into the surgical incision area.



Conformable adhesion

Adheres and conforms to the operative site, allowing for limb manipulation during surgery.

Recommended by global organizations

A growing number of international guidelines recommend the use of antimicrobial drapes over non-antimicrobial drapes.

-
- KRINKO (2018)¹** • Increase of SSIs due to the non-antiseptically impregnated incision drape is reversed with using an antimicrobial incise drape
-
- APSID (2019)²** • When using adhesive drapes, do not use non-iodophor-impregnated drapes for surgery as they may increase the risk of SSIs
- In orthopedic and cardiac surgical procedures where adhesive drapes are used, consider using an iodophor-impregnated incise drape, unless the patient has an iodine allergy or other contraindication
-
- NICE (2019)³** • Do not use non-iodophor-impregnated incise drapes routinely for surgery, as they may increase the risk of SSIs
- If an incise drape is required, use an iodophor-impregnated drape unless the patient has an iodine allergy
-
- AORN (2023)⁴** • Do not use adhesive incise drapes without antimicrobial properties. Iodophor-impregnated adhesive incise drapes may be used in accordance with the manufacturer's IFU, unless contraindicated by a patient's allergy to iodine
-
- ICM (2018)⁵** • Evidence indicates antimicrobial-impregnated incise drapes result in reduction in bacterial colonization of the surgical site. "While bacterial colonization of the incision may predispose to subsequent SSIs/PJIs, there is no literature to demonstrate that the use of incise drapes results in clinical differences in the rates of subsequent PJIs. Many surgeons prefer to utilize draping for physical isolation of sterile from nonsterile regions and to prevent migration of drapes during the procedure."

Help improve surgical patient outcomes and reduce costs

Evidence from a retrospective study of cardiac surgery patient data showed the use of a 3M™ Ioban™ 2 Antimicrobial Incise Drape to be cost effective and associated with a reduced rate of surgical site infections (SSIs).^{*6}

*The use of Ioban 2 Antimicrobial Incise Drape for reduction in the incidence of SSI has not been reviewed by the U.S. FDA.

SSI rate reduction



71% SSI reduction

1.9% SSI rate (15/808) for patients receiving Ioban 2 Antimicrobial Incise Drape vs. 6.5% (53/808) for the non-iodine-impregnated incise drape ($p=0.001$)**

**Percentage calculation(s) is/are derived based on relative patient group incident rate reported in this study.

Cost reduction

€773,495

The reason for this difference is the cost related to the treatment of the complications, such as negative pressure wound therapy, hospitalization days, sternal wound revision, antibiotic therapy and antiseptics

Supported by 40 years of strong clinical evidence



Extensively researched and peer-reviewed

Ioban 2 Antimicrobial Incise Drape has been extensively researched and has more published peer-reviewed studies than any other antimicrobial incise drape competitor. (As of February 2023)



Breadth of evidence

Ioban 2 Antimicrobial Incise Drape study publications have shown both clinical and economic results across a broad range of evidence ranging from poster presentations to randomized controlled clinical trials and global meta-analysis.



40+

supporting pieces of published evidence

(As of February 2023)



Strength of outcomes

Ioban 2 Antimicrobial Incise Drape is supported by evidence that met or exceeded the hypotheses across multiple endpoints including microbiological impacts that were associated with infection risk reduction outcomes as well as economic success when used as part of a comprehensive perioperative solution.^{6,7,8,9}

For more information about how 3M™ Ioban™ 2 Antimicrobial Incise Drapes can help you fight SSIs, contact your 3M account representative or visit [3M.com/Ioban](https://www.3M.com/Ioban).

References

1. KRINKO Surgical Site Infection Prevention Guidelines, 2018.
2. Asia Pacific Society of Infection Control Guidelines for the Prevention of Surgical Site Infections, 2019.
3. National Institute of Health and Care Excellence (NICE). Surgical site infections: prevention and treatment. (NG125) Published April 11, 2019. Accessed May 3, 2022.
4. Cowperthwaite L. AORN Guidelines for Perioperative Practice 2022. Denver, CO: Association for periOperative Registered Nurses, 2022.
5. Atkins GJ, Alberdi MT, Beswick A, et al. *J Arthroplasty*. 2019;34(2S):S85-S92.
6. Bejko J, Tarzia V, Carrozzi M, et al. Comparison of Efficacy and Cost of Iodine Impregnated Drape vs. Standard Drape in Cardiac Surgery: Study in 5100 Patients. *J Cardiovasc Transl Res* 2015, 8:431-7.
7. Rezapoor M, Tan TL, Maltenfort MG, Parvizi J: Incise Draping Reduces the Rate of Contamination of the Surgical Site During Hip Surgery: A Prospective, Randomized Trial. *J Arthroplasty* 2018, 33:1891-5.
8. Hesselvig AB, Arpi M, Madsen F, Bjarnsholt T, et al; ICON Study Group. Does an Antimicrobial Incision Drape Prevent Intraoperative Contamination? A Randomized Controlled Trial of 1187 Patients. *Clin Orthop Relat Res*. 2020;478(5):1007-1015.
9. Sworn K, Poku E, Thokala P, et al. Effectiveness of iodine-impregnated incise drapes for preventing surgical site infection in patients with clean or clean contaminated wounds: A systematic literature review and cost-consequence analysis. *J Perioper Pract* 2023:17504589221139603.



3M Company

2510 Conway Ave.
St. Paul, MN 55144 USA

Phone
Web

1-800-228-3957
[3M.com/medical](https://www.3M.com/medical)

© 2023 3M. All rights reserved. 3M and the other marks shown are marks and/or registered marks. Unauthorized use prohibited. 3M marks used under license in Canada. All other marks are property of their respective owners. 70-2013-1567-1