Science. Applied to Life.™

Take a deeper look.

Create an aseptic barrier with the additional protection from 3M[™] loban[™] 2 **Antimicrobial Incise Drape.**

For clinical and sales information, contact your 3M Sales Representative on 1300 363 878 (Australia) or 0800 80 81 82 (New Zealand)



3M Medical Solutions Division

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Preps alone are not enough.

While skin prep antiseptics reduce microbes, they work primarily on the skin surface, not in the deeper layers of the skin.

Use an incise drape.

An incise drape creates a physical barrier to prevent objects like instruments, gloves and sponges from coming into contact with the patient's skin, reducing the risk of contamination that could cause a costly and potentially devastating SSI. In a recent ex vivo study on human skin, the iodine in 3MTM lobanTM 2 Antimicrobial Incise Drape was shown to be present at concentrations effective against MRSA at a depth of 1000 microns, in the deeper layers of the skin, where hair follicles are present.²

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(down to 1000 microns) where hair follicles exist.

Study Objective

- The antimicrobial efficacy of Ioban[™] 2 Antimicrobial Incise Drape against MRSA was evaluated in a human skin model
- The presence of iodine from Ioban[™] 2 Antimicrobial Incise Drape in the skin was also assessed



Skin preps are antimicrobial and reduce the number of microbes on the skin surface, but bacteria in the deeper layers may remain.

Chlorhexidine gluconate (CHG), in skin preps, demonstrates poor permeation at deeper skin depths. Below a depth of 300 microns, CHG concentration may not be effective for killing bacteria.¹

The iodine in 3M[™] loban[™] 2 Antimicrobial Incise Drape was shown to be present in the deeper layers of the skin

Methodology

- The antimicrobial efficacy of Ioban[™] 2 Antimicrobial Incise Drape, compared to 3M[™] Steri-Drape[™] 2 Incise Drape and no drape, was evaluated ex vivo with the use of human donor skin at 5 minutes, 2 hours and 6 hours after drape application, following skin inoculation of MRSA
- In addition, the concentration of iodine at different skin depths were evaluated

Ioban[™] 2 Antimicrobial Incise Drape creates a sterile barrier, and iodine from the drape has been shown to be present in the deeper skin layers.²

1000µm

Findings

- Study showed that loban[™] 2 Antimicrobial Incise Drape is not only effective at killing microbes on ex vivo skin, but also the iodine was shown to be present in the deeper skin layers (1000 microns) where hair follicles exist
- This compares to a related study that shows that CHG based skin preps only penetrate to 300 microns¹

¹Karpanen TJ, Worthington T, Conway BR, Hilton AC, Elliott TSJ, and Lambert PA. Penetration of chlorhexidine into human skin. Antimicrob Agents Chemother. 2008;52:3633-6.

² Casey AL, Karpanen TJ, Nightingale P, Conway BR, Elliott TSJ. Antimicrobial activity and skin permeation of iodine preser in an iodine-impregnated surgical incise drape. J Antimicrob Chemother. 2015;70:2255-60.