

Take a deeper look.

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Create an aseptic barrier with
the additional protection from
3M™ Ioban™ 2 Antimicrobial Incise Drape.

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.

Chlorhexidine gluconate (CHG), in skin preps, for example, does not penetrate into the deeper layers of the skin. Below a depth of 300 microns, CHG concentration may not be effective for killing bacteria.¹

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 3M™ Ioban™ 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

The iodine in 3M™ Ioban™ 2 Antimicrobial Incise Drape was shown to be present in the deeper layers of the skin (down to 1000 microns) where hair follicles exist.

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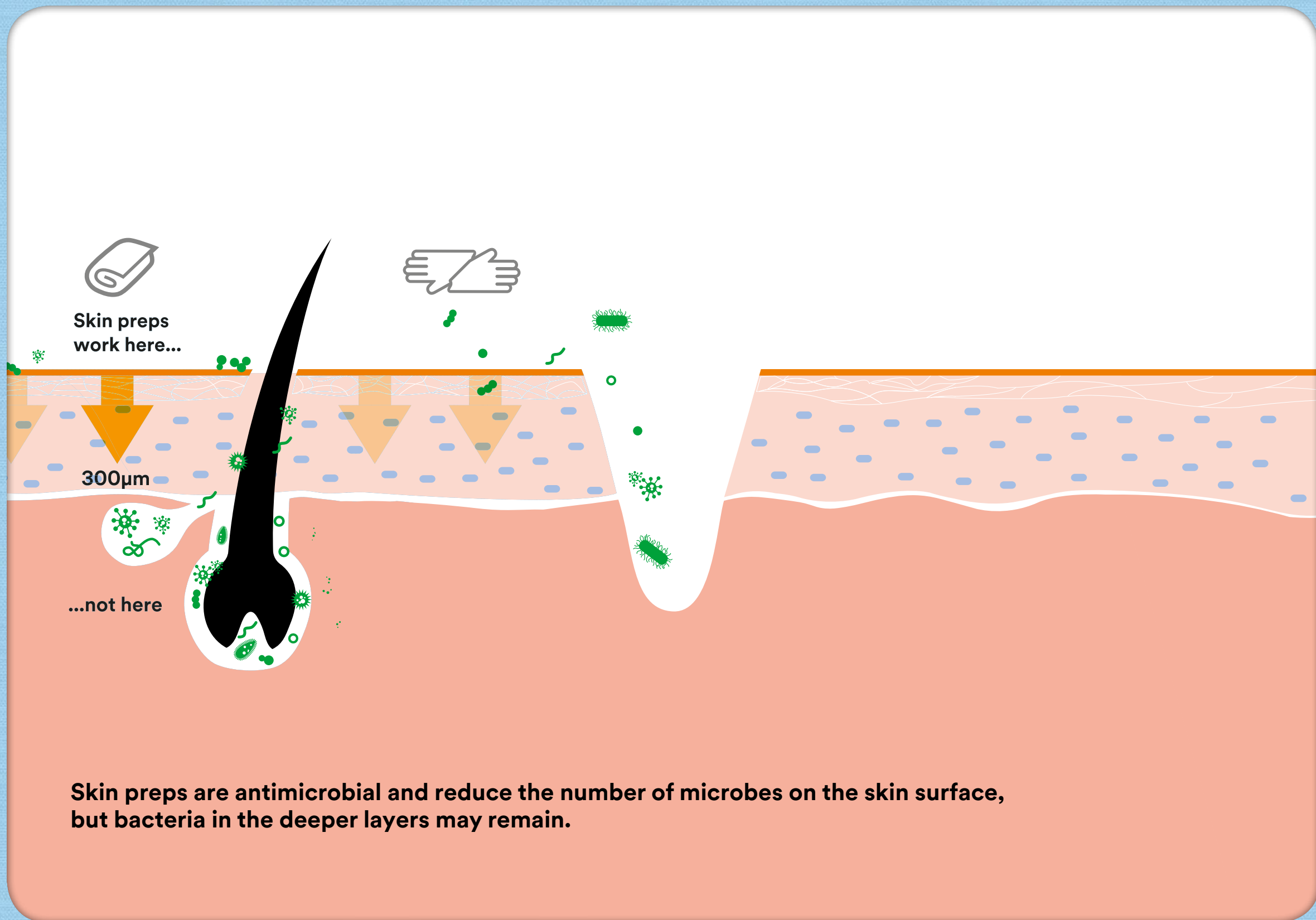
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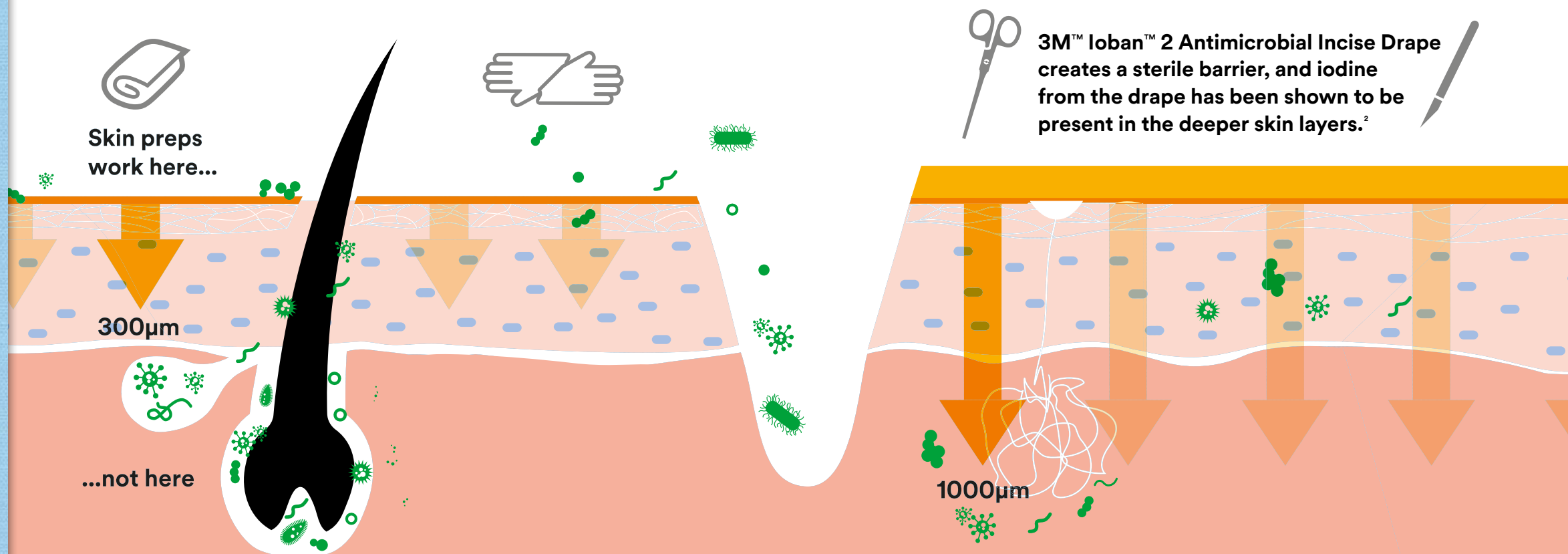
Study Objective

- 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

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





Findings

- Study showed that Ioban™ 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.

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

**For clinical and sales information,
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