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Introducing BD PurPrepTM Patient Preoperative Skin Preparation With Sterile Solution

Povidone-iodine 8.3% w/w (0.83% available iodine) with isopropyl alcohol 72.5% w/w packaged with a proprietary one-step, single-use sterile applicator.

Sterile. Simple. Effective.

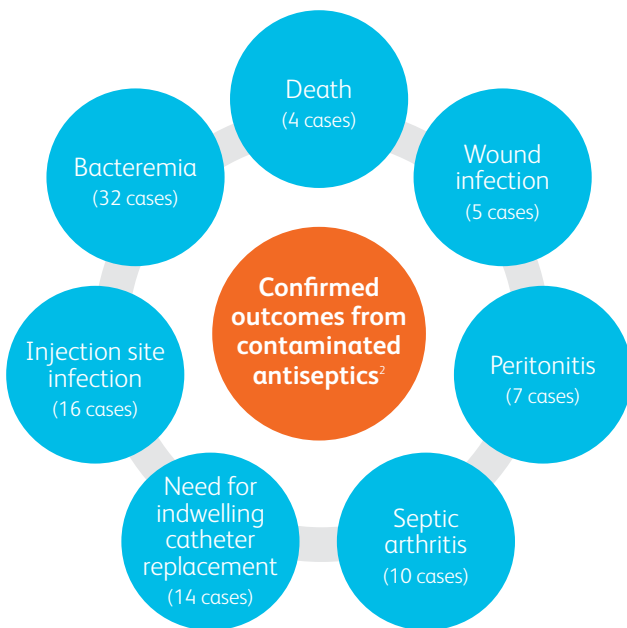


BD: Advancing patient safety by evolving sterilization technology

Antiseptic contamination is a potential health threat

Contaminated antiseptics are a documented cause of healthcare-associated infections¹

- Antiseptics don't self-sterilize
- All commonly used antiseptic agents have been linked to infection-causing contamination²



Outcomes associated with contaminated antiseptics may be underreported for a range of reasons, including¹:

- Disposal of the contaminated product before infection is discovered
- Inconsistent contamination within the same product lot

2 mechanisms are responsible for antiseptic contamination²

Extrinsic contamination:

end-user based; can result from:



Insufficient aseptic technique
used during product handling



Contaminated water
used to dilute the antiseptic



Product stored under
nonsterile conditions

Intrinsic contamination:

production based; has been linked to:



Contaminated
pharmaceutical water supply



Nonsterile manufacturing
environment

According to the FDA²:

- Single-use containers can reduce the risk of extrinsic contamination and infection
- Manufacturers are not required to sterilize antiseptics, so there is a risk of bacterial contamination during manufacturing; thus, sterile and nonsterile labeling allows healthcare professionals to make informed decisions

BD: Advancing patient safety by assuring product sterility

Antiseptics have evolved to reduce bacterial threats, and a new sterilization technology solidifies BD's position at the forefront of this evolution

Evolution of patient preoperative skin antiseptics:

Older standards

Antiseptic formulations

Single agents

Lack either immediate or persistent activity³

Delivery methods

Bulk solutions

High risk of contamination and manipulation⁶; application method may result in hand-to-site contact

Solution sterility

Nonsterile solutions

Risk of intrinsic contamination during manufacturing²

Latest advancements

Dual formulations

More effective at killing bacteria^{4,5}

Single-use applicators

Eliminate cross-contamination⁷; do not allow for solution manipulation; no-touch application

Sterile solutions

Minimize risk of intrinsic microbial contamination²

BD PurPrep™
patient preoperative
skin preparation
with Sterile Solution

Antiseptic formulation

A dual formulation of povidone-iodine (PVP-I) and isopropyl alcohol (IPA)

Delivery method

Packaged in a proprietary one-step, single-use sterile applicator

Solution sterility

The first and only commercially available PVP-I–based sterile solution skin preparation in the United States

NEW BD PurPrep™ Patient Preoperative Skin Preparation with

Sterile Solution: The *only* commercially available PVP-I–based patient preoperative skin antiseptic applicator in the United States that combines all three of the latest advancements

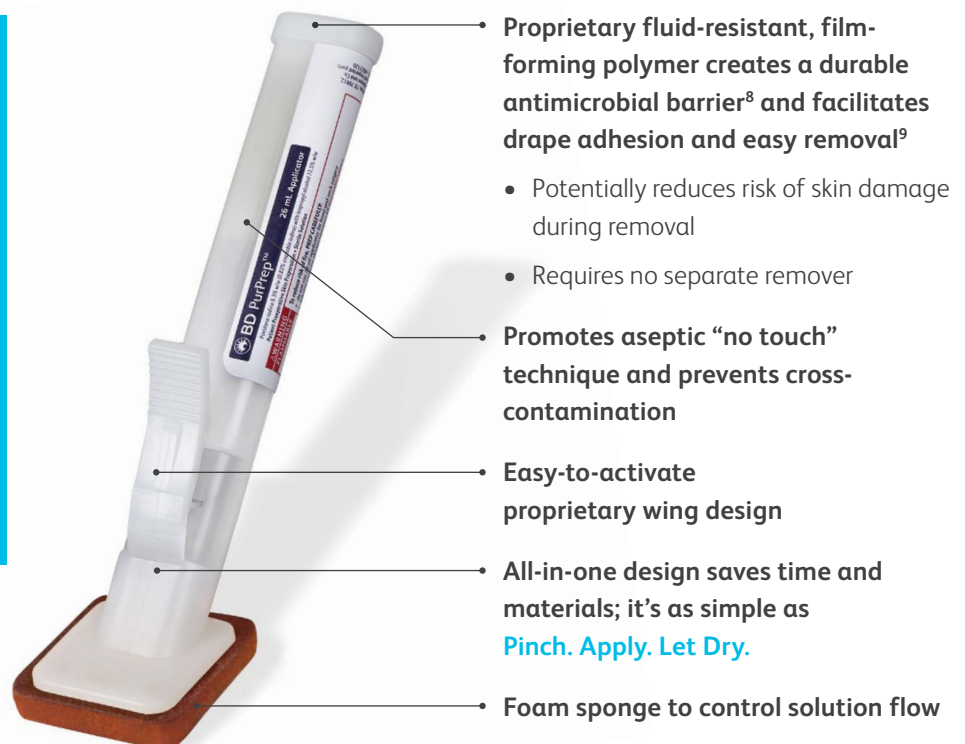
Now offering the first and only portfolio of fully sterile preoperative skin prep applicator products

Elevating the standard in preoperative skin antisepsis

Attribute	BD ChloraPrep™ Patient Preoperative Skin Preparation with Sterile Solution	For times when ChloraPrep™ is not indicated, BD introduces: BD PurPrep™ Patient Preoperative Skin Preparation with Sterile Solution
Applicator	Proprietary single-use sterile applicator	Proprietary single-use sterile applicator
Formula	Chlorhexidine gluconate (CHG) + IPA	PVP-I + IPA
Sterile solution	✓	✓
Use	For 18 years has been used for the preparation of patients' skin prior to surgery	An alternative choice for the preparation of the patient's skin prior to surgery when a CHG + IPA-containing product is not an option: • Patients allergic to CHG • Clinical procedures/scenarios in which CHG is contraindicated

NEW BD PurPrep™ Patient Preoperative Skin Preparation with Sterile Solution: **Sterile. Simple. Effective.**

Includes the same trusted, proprietary single-use sterile applicator as BD ChloraPrep™ Patient Preoperative Skin Preparation with Sterile Solutionw



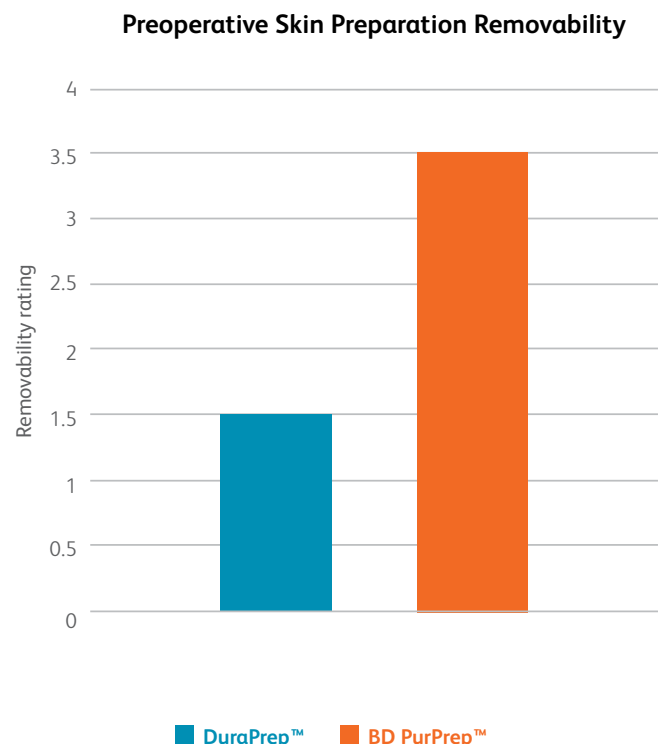
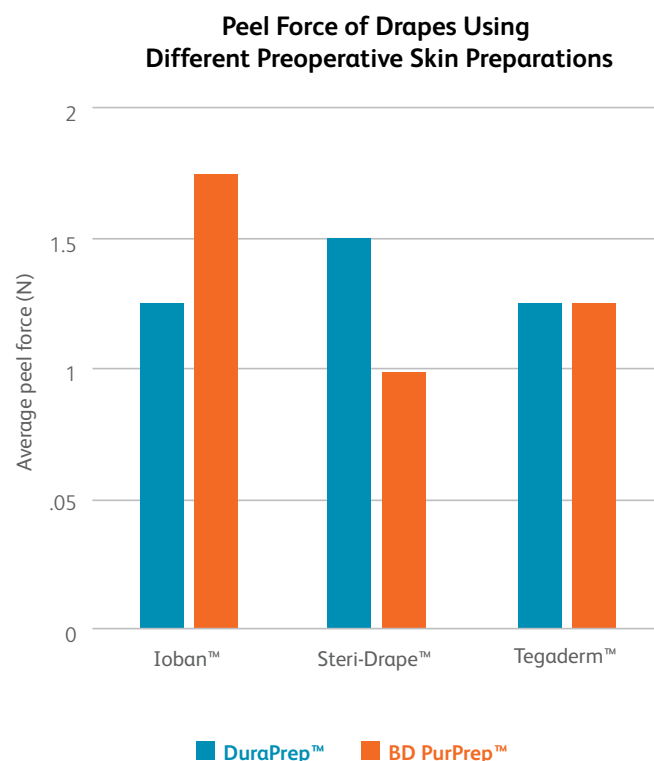
BD: Continuing to elevate standards in preoperative skin antisepsis

Alcohol-based preoperative skin antiseptics are recommended in the latest evidence-based infection guidelines published by preeminent health organizations:

- American College of Surgeons/Surgical Infection Society (ACS/SIS): Alcohol-containing preoperative skin preparatory agents should be used unless contraindication exists. (2016)¹⁰
- Centers for Disease Control and Prevention (CDC): Perform intraoperative skin preparation with an alcohol-based antiseptic agent unless contraindicated. (2017)¹¹

Study results comparing BD PurPrep™ Patient Preoperative Skin Preparation with Sterile Solution vs DuraPrep™

- Comparable drape adhesion* vs. DuraPrep™ in a developmental study:
- Easier post-op removability* vs. DuraPrep™ in a study mimicking real-world clinical practice



*Data on file

To order BD PurPrep™ Patient Preoperative Skin Preparation with Sterile Solution and BD ChlorPrep™ Patient Preoperative Skin Preparation with Sterile Solution, contact your BD sales rep.

BD PurPrep™ 26 mL applicator

Cat. No. 960120

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