



3M Science.
Applied to Life.™

It's the *solution* that counts








3M skin antiseptic products



SoluPrep™
Brand

The impact of surgical site infections

Surgical site infections (SSIs) are a major burden on healthcare systems, providers and patients. Using 3M™ SoluPrep™ Skin Antiseptic Products is one way you can help reduce the risk of surgical site infections.

 <p>Occur in 2-5% of all patients undergoing inpatient surgery¹</p>	 <p>Cost on average \$20,785 per patient²</p>	 <p>Affect quality of life³</p>	 <p>Lower patient satisfaction⁴</p>
 <p>Result in 2-11X increased risk of mortality¹</p>	<p>Increase length of stay by 7-11 days¹</p>	 <p>Increase nursing care⁴</p>	 <p>Approximately 5X as likely to result in readmission⁵</p>

Advantages of 3M™ SoluPrep™ Brand

<p>3M™ SoluPrep™ Brand Products help</p>  <p>protect</p> <p>patients against microorganisms and reduce the risk of infections</p> 	<p>3M™ SoluPrep™ Brand was the</p>  <p>1st skin antiseptic authorized in Canada for Professional Healthcare Use⁶</p>	<p>Used by healthcare professionals over</p>  <p>1 billion times⁷</p>	 <p>Multiple formulations and delivery formats</p>
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3M alcohol-based antiseptic products

Available formulations:

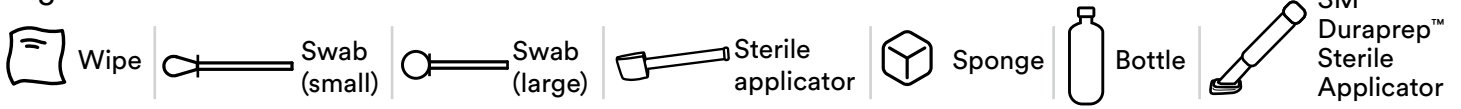
2% w/v Chlorhexidine Gluconate (CHG)/70% v/v Isopropyl Alcohol (IPA)

QD* Quarter Dose–0.5% w/v Chlorhexidine Gluconate (CHG)/70% v/v Isopropyl Alcohol (IPA)

3M™ DuraPrep™ Brand–Iodine Povacrylex (0.7% Available Iodine) / 74% w/w Isopropyl Alcohol (IPA)

Helping to improve patient outcomes


Legend




○ Clear ● Tinted ● Brown

3M™ SoluPrep™ Brand Products – 2% w/v CHG and 70% v/v IPA

Sterile applicator–DIN 02382113

 **Features:** Authorized for professional healthcare use; control flow; 1 sterile applicator,** tinted solution, wedge-shaped sponge for ease of application, peel-open package







 **Application time:** 30 sec for a dry site or 2 min for a moist site

 **Intended use:** For use on intact skin prior to medical or surgical invasive procedures



● Tinted





Formal name	3M™ SoluPrep™ Prefilled Sterile** Applicator with Solution, Tinted, 2% w/v CHG/70% v/v IPA	
Catalogue ID	100.24	
Volume 	35 mL single unit dose	
Treatment area 	52 cm x 52 cm (2,704 cm ²) 20.47 in x 20.47 in (419.12 in ²)	
Packaging 	1 per pouch 	25 pouches  /  case


*Quarter Dose

**Applicator is sterile if package is intact

Sponges—DIN 02404125









 **Features:** Antiseptic-impregnated sponges with tinted or clear solutions, peel-open package

 **Application time:** 30 sec for a dry site or 2 min for a moist site

 **Intended use:** For use on intact skin prior to medical or surgical invasive procedures









 Tinted



Formal name	3M™ SoluPrep™ 4 Sponges, Tinted, 2% w/v CHG/70% v/v IPA
Catalogue ID	100.25
Volume 	97 mL (4 sponges) single unit dose
Treatment area 	40 cm x 40 cm (1,600 cm ²) 15.75 in x 15.75 in (248.0 in ²)
Packaging 	4  per pouch 30 pouches  /  carton 4 cartons  /  case









 Clear




Formal name	3M™ SoluPrep™ 4 Sponges, Clear, 2% w/v CHG/70% v/v IPA
Catalogue ID	100.26
Volume 	97 mL (4 sponges) single unit dose
Treatment area 	40 cm x 40 cm (1,600 cm ²) 15.75 in x 15.75 in (248.0 in ²)
Packaging 	4  per pouch 30 pouches  /  carton 4 cartons  /  case


 Tinted




Formal name	3M™ SoluPrep™ 2 Sponges, Tinted, 2% w/v CHG/70% v/v IPA
Catalogue ID	100.27
Volume 	50 mL (2 sponges) single unit dose
Treatment area 	40 cm x 40 cm (1,600 cm ²) 15.75 in x 15.75 in (248.0 in ²)
Packaging 	2  per pouch 30 pouches  /  carton 4 cartons  /  case

Large swab—DIN 02382040









 **Features:** Pre-moistened swab in a tinted or clear solution, peel-open package

 **Application time:** 30 sec for a dry site or 2 min for a moist site

 **Intended use:** For use on intact skin prior to medical or surgical invasive procedures









 Clear




Formal name	3M™ SoluPrep™ Large Swab, Clear, 2% w/v CHG/70% v/v IPA
Catalogue ID	102.08
Volume 	5.2 mL (1 swab) single unit dose
Treatment area 	20 cm x 20 cm (400 cm ²) 7.87 in x 7.87 in (62.0 in ²)
Packaging 	1  per pouch 30 pouches  /  carton 10 cartons  /  case


 Tinted




Formal name	3M™ SoluPrep™ Large Swab, Tinted, 2% w/v CHG/70% v/v IPA
Catalogue ID	102.09
Volume 	5.2 mL (1 swab) single unit dose
Treatment area 	20 cm x 20 cm (400 cm ²) 7.87 in x 7.87 in (62.0 in ²)
Packaging 	1  per pouch 30 pouches  /  carton 10 cartons  /  case

Small swab—DIN 02382040









 **Features:** Flexible handle, pre-moistened swab, clear solution, peel-open package

 **Application time:** 30 sec for a dry site or 2 min for a moist site

 **Intended use:** For use on intact skin prior to medical or surgical invasive procedures


 Clear



Formal name	3M™ SoluPrep™ Small Swab, Clear, 2% w/v CHG/70% v/v IPA
Catalogue ID	102.03
Volume 	1.6 mL (1 swab) single unit dose
Treatment area 	10 cm x 11 cm (110 cm ²) 3.94 in x 4.33 in (17.05 in ²)
Packaging 	1  per pouch 50 pouches  /  carton 10 cartons  /  case









Wipes (large and small) –DIN 02385708

 **Features:** Clear solution and cost-effective  **Application time:** 30 sec for a dry site or 2 min for a moist site

 **Intended use:** For use on intact skin prior to medical or surgical invasive procedures









 Clear



Formal name	3M™ SoluPrep™ Large Wipe, Clear, 2% w/v CHG/70% v/v IPA
Catalogue ID	101.07
Volume 	1.5 mL (1 wipe) single unit dose
Treatment area 	10 cm x 10 cm (100 cm ²) 3.94 in x 3.94 in (15.5 in ²)
Packaging 	1  per pouch 100 pouches  /  carton 10 cartons  /  case

 Clear



Formal name	3M™ SoluPrep™ Small Wipe, Clear, 2% w/v CHG/70% v/v IPA
Catalogue ID	101.06
Volume 	0.65 mL (1 wipe) single unit dose
Treatment area 	6 cm x 7 cm (42 cm ²) 2.36 in x 2.76 in (6.51 in ²)
Packaging 	1  per pouch 200 pouches  /  carton 20 cartons  /  case







Bottles –DIN 02240356

 **Features:** Tinted or clear solution  **Application time:** 30 sec for a dry site or 2 min for a moist site

 **Intended use:** For use on intact skin prior to medical or surgical invasive procedures







 Clear



Formal name	3M™ SoluPrep™ 500 mL Bottle, Clear, 2% w/v CHG/70% v/v IPA
Catalogue ID	103.15
Volume 	500 mL single unit dose
Treatment area 	88 cm x 90 cm (7,920 cm ²) per 100 mL 34.65 in x 35.43 in (1227.6 in ²)
Packaging 	 500 mL bottle  12 bottles/  case







Tinted



Formal name	3M™ SoluPrep™ 500 mL Bottle, Tinted, 2% w/v CHG/70% v/v IPA	
Catalogue ID	103.25	
Volume 	500 mL single unit dose	
Treatment area 	88 cm x 90 cm (7,920 cm ²) per 100 mL 34.65 in x 35.43 in (1227.6 in ²)	
Packaging 	 500 mL bottle	 12 bottles/  case

Tinted





Formal name	3M™ SoluPrep™ 225 mL Bottle, Tinted, 2% w/v CHG/70% v/v IPA	
Catalogue ID	103.26	
Volume 	225 mL single unit dose	
Treatment area 	88 cm x 90 cm (7,920 cm ²) per 100 mL 34.65 in x 35.43 in (1227.6 in ²)	
Packaging 	 255 mL bottle	 12 bottles/  case


3M™ SoluPrep™ Brand Products QD* – 0.5% w/v CHG and 70% v/v IPA



Swab – DIN 02119803









 **Features:** Flexible handle, pre-moistened swab, clear solution, peel-open package

 **Application time:** 30 sec for a dry site or 2 min for a moist site

 **Intended use:** For use on intact skin prior to medical or surgical invasive procedures

Clear



Formal name	3M™ SoluPrep™ QD* Small Swab, Clear, 0.5% w/v CHG/70% v/v IPA	
Catalogue ID	102.02	
Volume 	1.6 mL (1 swab) single unit dose	
Treatment area 	7.6 cm x 7.6 cm (57.76 cm ²) 2.99 in x 2.99 in (8.94 in ²)	
Packaging 	1  per pouch	50 pouches  /  carton
	20 cartons  /  case	



Wipe—DIN 02060019

Features: Clear solution and cost-effective **Application time:** 30 sec for a dry site or 2 min for a moist site

Intended use: For use on intact skin prior to medical or surgical invasive procedures

Clear



Formal name	3M™ SoluPrep™ QD* Small Wipe, Clear, 0.5% w/v CHG/70% v/v IPA	
Catalogue ID	101.02	
Volume	0.65 mL (1 wipe) single unit dose	
Treatment area	6.5 cm x 6.5 cm (42.25 cm ²) 2.55 in x 2.55 in (6.5 in ²)	
Packaging	1 per pouch	
	200 pouches / carton	
	20 cartons / case	

Bottles—DIN 02116472

Features: Tinted or clear solution

Application time: 30 sec for a dry site or 2 min for a moist site

Intended use: For use on intact skin prior to medical or surgical invasive procedures

Clear



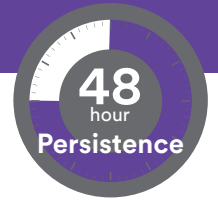
Formal name	3M™ SoluPrep™ QD* 500 mL Bottle, Clear, 0.5% w/v CHG/70% v/v IPA	
Catalogue ID	103.14	
Volume	500 mL single unit dose	
Treatment area	20 cm x 20 cm (400 cm ²) per 6 mL 7.87 in x 7.87 in (61.93 in ²)	
Packaging	1 500 mL bottle	
	12 bottles/ case	

Tinted





Formal name	3M™ SoluPrep™ QD* 500 mL Bottle, Tinted, 0.5% w/v CHG/70% v/v IPA	
Catalogue ID	103.24	
Volume	500 mL single unit dose	
Treatment area	20 cm x 20 cm (400 cm ²) per 6 mL 7.87 in x 7.87 in (61.93 in ²)	
Packaging	1 500 mL bottle	
	12 bottles/ case	


3M™ DuraPrep™ Brand – Surgical Solution Iodine Povacrylex (0.7% Available Iodine) / 74% w/w Isopropyl Alcohol



3M™ DuraPrep™ Applicator







 **Features:** Sterile applicator. Solution dries to a water-insoluble film that resists wash-off by blood and saline challenges, peel-open package

 **Application time:** Single pass, paint-on method

 **Intended use:** For external topical use as a long-lasting preoperative skin preparation with fast, broad-spectrum activity







 Brown



Formal name	3M™ DuraPrep™ Surgical Solution Iodine Povacrylex (0.7% Available Iodine) / 74% w/w IPA		
Catalogue ID	8630C		
Volume 	26 mL single unit dose		
Treatment area 	38 cm x 76 cm (2.88 m ²) 14.96 in x 29.92 in (447.60 in ²)		
Packaging 	1 per pouch 	20 pouches 	/  case

 Brown



Formal name	3M™ DuraPrep™ Surgical Solution Iodine Povacrylex (0.7% Available Iodine) / 74% w/w IPA		
Catalogue ID	8635C		
Volume 	6 mL single unit dose		
Treatment area 	20 cm x 25 cm (500 cm ²) 7.87 in x 9.84 in (77.44 in ²)		
Packaging 	1 per pouch 	50 pouches 	/  case

3M aqueous antiseptic products

Available formulations:

AQ[†] Alcohol Free–2% w/v Chlorhexidine Gluconate (CHG)

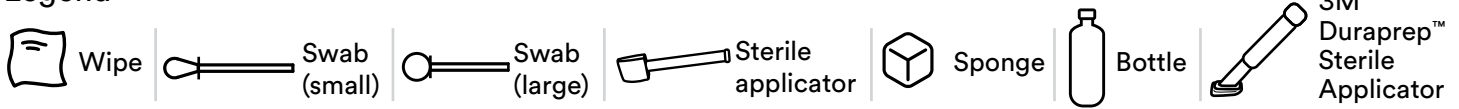
LD[‡] Low Dose–0.05% Chlorhexidine Gluconate (CHG)/4% Isopropyl Alcohol (IPA)

4% w/v Chlorhexidine Gluconate (CHG)

10% Povidone Iodine (PI)

Helping to improve patient outcomes

Legend



○ Clear ● Tinted ● Brown

3M™ SoluPrep™ Brand Products AQ – 2% w/v CHG



Sponges –DIN 02408430

Features: Antiseptic-impregnated sponge with clear solution, peel-open package

Application time: 30 sec for pre-injection/pre-vascular catheterization or 4 min for dry and moist sites pre-surgery (incisions)

Intended use: For use on intact skin prior to medical or surgical invasive procedures. For patients with allergies or sensitivity to alcohol.

○ Clear



Formal name	3M™ SoluPrep™ AQ [†] 4 Sponges, Clear (Alcohol Free), 2% w/v CHG
Catalogue ID	100.17
Volume	87 mL (4 sponges) single unit dose
Treatment area	20 cm x 20 cm (400 cm ²) 7.87 in x 7.87 in (62.0 in ²)
Packaging	4 per pouch
Packaging	30 pouches / carton
Packaging	4 cartons / case

[†]Aqueous
[‡]Low Dose



Formal name	3M™ SoluPrep™ AQ+ 2 Sponges, Clear (Alcohol Free), 2% w/v CHG	
Catalogue ID	100.19	
Volume		32 mL (2 sponges) single unit dose
Treatment area		17 cm x 17 cm (289 cm ²) 6.69 in x 6.69 in (44.8 in ²)
Packaging		2 per pouch
		30 pouches / carton
		4 cartons / case

Swab—DIN 02431483



Features: Flexible handle, pre-moistened swab, clear solution, peel-open package



Application time: 30 sec for pre-injection/pre-vascular catheterization or 4 min for dry and moist sites pre-surgery (incisions)



Intended use: For use on intact skin prior to medical or surgical invasive procedures. For patients with allergies or sensitivity to alcohol.



Formal name	3M™ SoluPrep™ AQ+ Small Swab, Clear (Alcohol Free), 2% w/v CHG	
Catalogue ID	102.07	
Volume		1.6 mL (1 swab) single unit dose
Treatment area		5 cm x 6 cm (30 cm ²) 1.97 in x 2.36 in (4.65 in ²)
Packaging		1 per pouch
		50 pouches / carton
		10 cartons / case

Wipes—DIN 02431491



Features: Clear solution and cost-effective



Application time: 30 sec for pre-injection/pre-vascular catheterization or 4 min for dry and moist sites pre-surgery (incisions)



Intended use: For use on intact skin prior to medical or surgical invasive procedures. For patients with allergies or sensitivity to alcohol.



Formal name	3M™ SoluPrep™ AQ+ Wipe, Clear (Alcohol Free), 2% w/v CHG	
Catalogue ID	101.08	
Volume		1.5 mL (1 wipe) single unit dose
Treatment area		5 cm x 5 cm (25 cm ²) 1.97 in x 1.97 in (3.88 in ²)
Packaging		1 per pouch
		100 pouches / carton
		10 cartons / case



3M™ SoluPrep™ Brand Products LD[‡]–0.05% w/v CHG



Sponges—DIN 02072955

Features: Antiseptic-impregnated sponge with clear solution, peel-open package. Low chlorhexidine dose formulation for fragile skin.

Application time: 4 min

Intended use: For use on intact skin prior to medical or surgical invasive procedures. For patients with fragile skin.

Clear



Formal name	3M™ SoluPrep™ LD [‡] 4 Sponges, Clear, 0.05% w/v CHG
Catalogue ID	100.03
Volume	87 mL (4 sponges) single unit dose
Treatment area	12.7 cm x 12.7 cm (161.29 cm ²) 5 in x 5 in (25.0 in ²)
Packaging	4 per pouch
	30 pouches / carton
	4 cartons / case

Clear



Formal name	3M™ SoluPrep™ LD [‡] 2 Sponges, Clear, 0.05%CHG, 100.08
Catalogue ID	100.08
Volume	32 mL (2 sponges) single unit dose
Treatment area	12.7 cm x 12.7 cm (161.29 cm ²) 5 in x 5 in (25.0 in ²)
Packaging	2 per pouch
	30 pouches / carton
	4 cartons / case

[‡]Low Dose

3M Brand Antiseptic Solution Products–10% PI



Sponges–NPN 02094541

Features: Antiseptic-impregnated sponge with brown solution, peel-open package

Application time: 1 min for pre-injection or 5 min for pre-surgery

Intended use: For use on intact skin prior to medical or surgical invasive procedures. For external use. For patients allergic/sensitive to chlorhexidine, when aqueous solution is required

Brown



Formal name	3M Brand Antiseptic Solution 10% Povidone Iodine 4 Sponges, 10% PI
Catalogue ID	100.12
Volume	100 mL (4 sponges) single unit dose
Treatment area	20 cm x 20 cm (400 cm ²) 7.87 in x 7.87 in (62.0 in ²)
Packaging	4 per pouch
Packaging	30 pouches / carton
Packaging	4 cartons / case

Brown



Formal name	3M Brand Antiseptic Solution 10% Povidone Iodine 2 Sponges, 10% PI
Catalogue ID	100.09
Volume	52 mL (2 sponges) single unit dose
Treatment area	20 cm x 20 cm (400 cm ²) 7.87 in x 7.87 in (62.0 in ²)
Packaging	2 per pouch
Packaging	30 pouches / carton
Packaging	4 cartons / case

3M™ SoluPrep™ Brand Products – Antiseptic Skin Cleanser, 4% w/v CHG

Sponge–DIN 01925202

Feature: Antiseptic-impregnated sponge, peel-open package

Application time: Allow cleanser to remain on skin for 2 min before rinsing

Intended use: Pre-surgical antimicrobial cleansing. Helps remove oil, dirt and bacteria from skin and helps reduce risk of developing an infection. For use on intact skin.

Clear



Formal name	3M™ SoluPrep™ Antiseptic Skin Cleansing Sponge, 4% w/v CHG
Catalogue ID	100.10
Volume	25 mL single unit dose
Treatment area	1 sponge per shower
Packaging	1 per pouch
Packaging	30 pouches / carton
Packaging	4 cartons / case

Guidelines

Centers for Disease Control (CDC)

Guideline for the Prevention of Intravascular Catheter-Related Infections, 2011⁸

- “Prepare clean skin with a >0.5% chlorhexidine preparation with alcohol before central venous and peripheral arterial catheter insertion & during dressing changes.” Category 1A, pg. S4, S11
- “Ensure catheter site care is compatible with catheter material.” Category 1B, pg. S5, S12
- “Scrub access port with chlorhexidine, povidone iodine, iodophor, or 70% alcohol.” Category 1A, pg. S7

Infusion Nurses Society (INS), 2016⁹

Standards of Practice

- For short peripheral, midline, arterial and central venous access device insertion and maintenance, “perform skin antisepsis using the preferred skin antiseptic agent of > 0.5% chlorhexidine in alcohol solution.” Standard 33 Pg. S65, S66 Standard 44, pg. S82
- “Acceptable disinfecting agents for needleless connectors include 70% isopropyl alcohol, iodophors, or >0.5% chlorhexidine in alcohol solution.” Standard 34, pg. S68

Safer Healthcare Now!

Prevent Central Line Infections, 2012¹⁰

- “Chlorhexidine skin antisepsis provides better skin antisepsis than other antiseptic agents such as povidone-iodine solutions.”
- “Include chlorhexidine antisepsis in central line checklist.”
- “Reduce choice and possible error by making only chlorhexidine available. This includes the practice of using chlorhexidine antiseptic to swab ports.”

Prevent surgical site infections. Getting started kit, 2014¹¹

- “The antiseptic of choice for skin preparation should be alcohol-based chlorhexidine instead of povidone-iodine, unless contraindicated.”
- “Alcohol-based chlorhexidine antiseptic solutions significantly reduce the likelihood of wound, catheter, and surgical site colonization and maximize the rapidity, potency and duration of bactericidal activity when compared to other solutions.”

World Health Organization (WHO), 2016¹²

Global guidelines for the prevention of surgical site infection

- “Use alcohol-based antiseptic solutions based on chlorhexidine gluconate for surgical site skin preparation.” Strong recommendation, low to moderate quality of evidence
- “A meta-analysis of 12 RCTs showed that alcohol-based antiseptic solutions were more effective than aqueous solutions in reducing the risk of SSI.” Strong recommendation, low quality of evidence
- “A significant reduction of SSI risk was shown with the use of alcohol-based chlorhexidine gluconate compared with either aqueous povidone-iodine or povidone-iodine in alcohol-based solutions.” Strong recommendation, moderate quality of evidence

Operating Room Nurses Association of Canada (ORNAC), 2017¹³

Standards, guidelines, and position statements for perioperative registered nurses

- “The operative site should be cleansed prior to surgery with a chlorhexidine (CHG)/70% alcohol based solution.”

Surgical Skin Prep Decision Guide

Patient Assessment

Does the patient have any allergies or sensitivities?



▶	CHG allergy or sensitivity	▶	Use iodophor-based product
▶	Iodine allergy or sensitivity	▶	Use CHG-based product
▶	Isopropyl alcohol allergy or sensitivity	▶	Use alcohol-free aqueous based product

Is the patient less than 2 months old?



▶	The preferred choice is a product that is specified by the manufacturer for patients under two months of age. When products contain a warning or caution regarding use in infants less than 2 months old, the perioperative team should collaboratively evaluate risks and benefits of the products and alternatives such as soaps or saline. The goal is to select a safe and effective surgical skin prep to help reduce bacteria that can cause surgical site infection.
▶	Use alcohol-based antiseptic unless contraindicated

Surgical Site Assessment

Intact Skin?

▶	Use alcohol-based antiseptic unless contraindicated
▶	If open wound or trauma, no alcohol-based products may be used. Refer to manufacturer's instructions for use.

Eyes?

▶	<ul style="list-style-type: none"> Do not use alcohol-based products Do not use CHG as it can cause corneal damage Use ophthalmic iodine-based product as specified by manufacturer's instructions for eye site procedures
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Ears?

▶	<ul style="list-style-type: none"> Do not use alcohol-based products Do not use CHG as it can cause deafness if in contact with the inner ear Use aqueous-based iodophor product
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Mucous Membranes?

▶	<ul style="list-style-type: none"> Do not use alcohol-based products CHG should be used with caution. Some CHG products are prohibited for use in genital area. See manufacturer's instructions for use. Use aqueous-based iodophor product
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Surgical Factors

Large amount of fluids? (saline and blood)

▶	Consider the use of a water-insoluble, film-forming prep
▶	Not a factor for prep selection

Upright patient position (e.g., shoulder surgery)

▶	Consider the use of a water-insoluble, film forming antiseptic
▶	Not a factor for prep selection

Large prep area? (bariatric, cardiovascular surgery)

▶	Efficacy is linked to treatment area. Some antiseptics cover more area per applicator than others. Check manufacturer's information. Applying an antiseptic beyond treatment area specifications may affect efficacy.
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Safety Factors

Prep area with high microbial count? (groin, toes, fingernails, skin folds)











▶	Follow manufacturer's instructions for use. Efficacy testing is based on correct application time, method and treatment area. Some antiseptics have different application times for both dry and moist body sites. An applicator must be discarded after prepping a higher microbial area regardless of any remaining solution. This may require the use of more than one applicator to complete the patient prep.
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Is the antiseptic flammable?



▶	Additional precautions should be taken to minimize the risk of surgical fire. Follow manufacturer's instructions for use and AORN Guidelines for Perioperative Practice.
▶	Follow manufacturer's instructions for use and AORN Guidelines for Perioperative Practice.

Recommendations for use of small volume 3M skin antiseptics

	0.5% CHG/70% IPA		2% CHG/70% IPA			2% CHG Aqueous	
							
Suggested for use prior to:							
Insertion of peripheral intravascular catheters	1st alternative choice	2nd alternative choice	Not recommended (too much product)	1st choice	2nd choice	1st alternative choice	2nd alternative choice
Insertion of central venous catheters	Not recommended (larger surface coverage required)*		1st choice	Not recommended (larger surface coverage required)*		Not recommended (larger surface coverage required)*	
Central line site maintenance	1st alternative choice	2nd alternative choice	Not recommended (too much product)	1st choice	2nd choice	1st alternative choice	2nd alternative choice
Percutaneous device insertion (i.e., chest tube, feeding tube)	Not recommended (larger surface coverage required)*		1st choice	Not recommended (larger surface coverage required)*		Not recommended (larger surface coverage required)*	
Percutaneous device site maintenance (i.e., chest tube, feeding tube)	1st alternative choice	2nd alternative choice	Not recommended (too much product)	1st choice	2nd choice	1st alternative choice	2nd alternative choice
Minor surgical and medical invasive procedures. (i.e., skin biopsy, bone marrow aspirate, paracentesis)	Not recommended (larger treatment area required)	Alternative choice (assess procedure and treatment area required)	1st choice	Alternative choice (assess procedure and treatment area required)	Not recommended (larger treatment area required)	Alternative choice (assess procedure and treatment area required)	Alternative choice (assess procedure and treatment area required)
Blood culture	1st alternative choice	2nd alternative choice	Not recommended (too much product)	1st choice	2nd choice	1st alternative choice	2nd alternative choice
Application							
Directions	Product should be applied with gentle friction using a repeated back-and-forth motion for manufacturer-recommended application time.						
Dry Time	Allow product to air dry completely; dry time can be affected by volume of product, body site, presence or absence of hair, humidity etc.						
Legend	 Large Swab		 Small Swab			 Wipes	

* Assessment based on average adult; may be sufficient for pediatrics.

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