

Same great device...

IMed GUARD      Competing Brand



**Description**

**PATIENT ANATOMICAL SITE FOR USE OF DEVICE**

Vascular insertion sites of other devices (i.e. catheters, etc.) outside the body



**MODE OF OPERATION**

Antimicrobial foam disc with antimicrobial agent CHG to protect device-related vascular insertion sites



**GEOMETRY OF DEVICE**

Circular foam disc with center hole and radial slit



**TEMPERATURE REQUIREMENTS:** 15 to 30°C (59 to 86°F)



**ANTIMICROBIAL AGENT:** Chlorhexidine gluconate (CHG)



**FUNCTION/PURPOSE OF ANTIMICROBIAL AGENT**

Prevents contamination of the dressing by inhibiting microbial growth and colonization of the dressing



**PHARMACOLOGY OF ANTIMICROBIAL AGENT**

CHG provides antiseptic and antimicrobial effect with rapid bactericidal action. CHG has a positive charge that reacts with the negatively charged microbial cell surface and destroys the integrity of the cell membrane.



**ANTIMICROBIAL AGENT APPLICATION METHOD TO MEDICAL DEVICE**

Incorporation/infusion through soaking foam in CHG solution



**SPECTRUM OF ACTIVITY OF ANTIMICROBIAL AGENT**

Broad spectrum (works against a wide range of gram-positive and gram-negative bacteria, yeast and mold) antimicrobial agent



**TARGET PATHOGENS**

- Staphylococcus aureus (MRSA)
- Pseudomonas aeruginosa
- Staphylococcus epidermidis (MRSE)
- Candida albicans
- Vancomycin-Resistant Enterococci (VRE)
- Candida tropicalis
- Enterobacter cloacae
- Klebsiella pneumoniae



**AVERAGE CHG CONCENTRATION**

Industry standard concentration across sizes



# Same great device... (cont.)

Description	IMed GUARD	Competing Brand
<b>PRODUCT SIZE CONFIGURATIONS</b>		
• 1 inch (2.5 cm) disc, 4.0 mm center hole with radial slit	✓	✓
• 1 inch (2.5 cm) disc, 7.0 mm center hole with radial slit		
• 0.75 inch (1.9 cm) disc, 1.5 mm center hole with radial slit		
<b>PYROGEN &amp; LATEX FREE</b>	✓	✓
<b>SINGLE USE &amp; DISPOSABLE</b>	✓	✓
<b>STERILITY ASSURANCE LEVEL (SAL): 10<sup>-6</sup></b>	✓	✓
<b>FILM ADHESIVE: Pressure-sensitive acrylic</b>	✓	✓

## ...with better features.

	IMed GUARD™	Competing Brand
<b>DESIGN FEATURES</b>	IMed GUARD™ Protective Disc with CHG is a chlorhexidine gluconate (CHG) infused sterile hydrophilic absorptive foam dressing (disc)	BIOPATCH Protective Disc with CHG is a hydrophilic polyurethane absorptive foam with chlorhexidine gluconate
<b>DEVICE MATERIALS</b>	Medical grade hydrophilic polyurethane foam impregnated with chlorhexidine gluconate (CHG) with a polyether polyurethane film with print	Polyurethane foam impregnated with chlorhexidine gluconate with a nylon reinforced urethane film with print
<b>ABSORBENCY</b>	11 times its own weight in fluid	8 times its own weight in fluid
<b>STERILIZATION METHOD</b>	E-beam Radiation	Ethylene Oxide
<b>MICROBIAL REDUCTION</b>	5 log reduction or greater	4 log reduction
<b>PRODUCT EDGE FINISH</b>	Pinched (beveled)	Straight
<b>PACKAGING</b>	LLDPE film and aluminum foil laminate, non-breathable (suitable for E-beam)	Tyvek/lid is spun bound polyolefin with an adhesive coating, breathable (suitable for ethylene oxide)
<b>MEM ELUTION CYTOTOXICITY</b>	Moderately cytotoxic	Severely cytotoxic



### CONTACT:

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