

# BD<sup>®</sup> PosiFlush<sup>™</sup> SafeScrub Prefilled Saline Flush Syringe

with an active disinfection unit built  
right into the tip cap



## Built-in scrub designed to help reduce contamination

PosiFlush<sup>™</sup> SafeScrub Prefilled Saline  
Flush Syringe—the all-in-one solution  
that actively scrubs *and* flushes



# Improving compliance is critical to help reduce the risk of catheter-related infections<sup>1</sup>

While the guidelines are clear on the importance of scrubbing the hub before access, inadequate catheter disinfection is one of the leading sources of catheter-related bloodstream infections (CRBSIs).<sup>1</sup>

Non-compliance to 'scrub the hub' guidelines increases CLABSI/CRBSI rates, leading to undesirable outcomes



7–13 day increase in ICU LOS<sup>2</sup>



Average cost to treat CLABSI per patient<sup>3</sup>



CLABSI has an estimated 12–25% mortality rate<sup>4</sup>



Annual cost to treat CLABSI in US<sup>5</sup>



Yet compliance to 'scrub the hub' disinfection guidelines is very low among clinicians<sup>1</sup>

Non-compliance rates as high as 90% increase in CLABSI/CRBSI and hospitalization rates, potentially driving further patient and hospital costs and increasing mortality rates.

As low as

10%

compliant<sup>1</sup>



# Designed to address common IV catheter care issues

With an active disinfection unit built into the tip cap, the all-in-one PosiFlush™ SafeScrub Prefilled Saline Flush Syringe is demonstrated to increase compliance to 'scrub the hub' guidelines<sup>†</sup> and significantly reduce microbial growth associated with potentially serious CRBSIs.<sup>6\*</sup>

PosiFlush™ SafeScrub has been shown to increase 'scrub the hub' compliance by

**~2x**

In a simulated study, PosiFlush™ SafeScrub has been shown to approximately double 'scrub the hub' compliance before flushing versus the standard practice of alcohol pad and prefilled saline syringes.<sup>†</sup>



## Demonstrated to reduce microbial growth<sup>6\*</sup>

Built-in active disinfection unit has been proven to reduce on average  $\geq 99.99\%$  microbial load of the leading microbes associated with CRBSIs.<sup>6\*</sup>



## Designed to reduce touch contamination

All-in-one solution is designed to promote aseptic non-touch technique (ANTT)<sup>®</sup>



## Improves efficiency

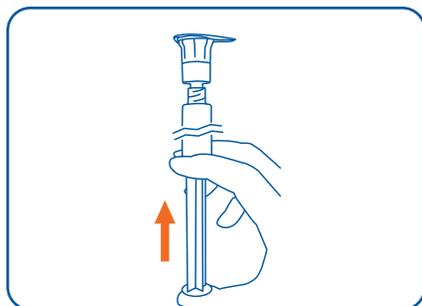
Seamless integration of scrubbing into workflow simplifies steps

<sup>†</sup> In a simulated use study of 60 clinicians, PosiFlush™ SafeScrub demonstrated 'scrub the hub' compliance of 34% in simulated uses (compliance defined per IFU as a minimum of 10 seconds & 8 back and forth rotations). The standard practice of alcohol pads demonstrated 'scrub the hub' compliance of 17% in simulated uses (compliance defined per clinicians' hospital policies, between 5–30 seconds or number of scrub rotations).

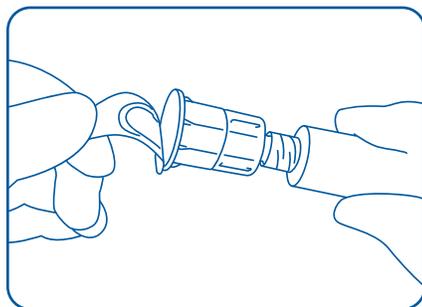
<sup>\*</sup> In vitro test results may not be predictive of clinical performance. Demonstrated reduction of the most common causative agents of CRBSI including *Staphylococcus aureus*, *Staphylococcus epidermidis*, *Acinetobacter baumannii*, *Pseudomonas aeruginosa*, *Escherichia coli*, *Candida glabrata* and *Candida albicans*.

# Points to Practice<sup>7</sup>

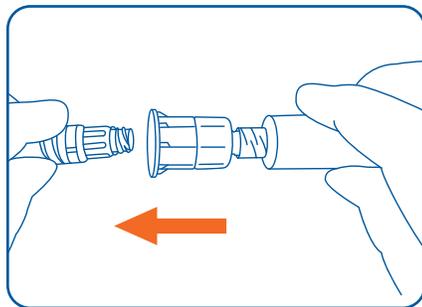
To ensure safe medication preparation and administration, clinicians should practice the “7 rights” of medication administration: right patient, right drug, right dose, right time, right route, right reason, and right documentation.



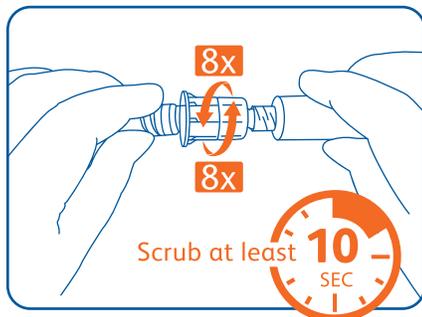
1. Tear open flow wrap packaging at either end and remove device. Inspect device for product integrity. Depress plunger with disinfection unit on to relieve the resistance between the stopper and the barrel.



2. Using aseptic technique, peel off foil cover of the disinfection unit. Do not touch the interior foam pad. Use device immediately after removal of lid.

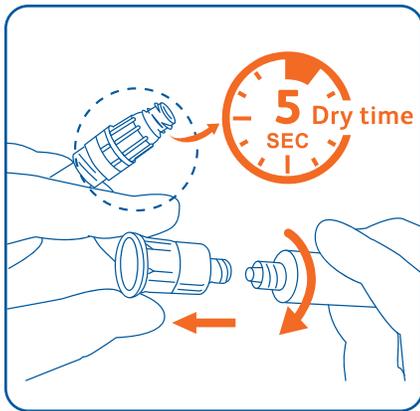


3. **Center the disinfection unit** onto the needleless access device. **Press the disinfection unit/device** until the foam encapsulates the surface of the needleless access device.



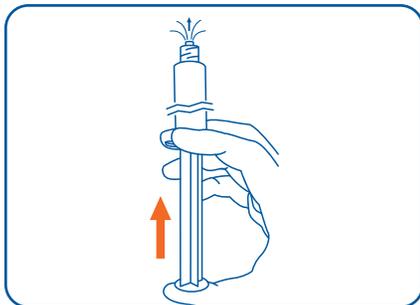
4. **Scrub** by twisting back and forth for at least **10 seconds**. Do this for a minimum of **8 repetitions clockwise** alternating with **8 repetitions counterclockwise**.

This guide is not intended as a replacement for the detailed information contained in the IFU. Please consult BD product labels and package inserts for any indications, contraindications, hazards, warnings, cautions and instructions for use.



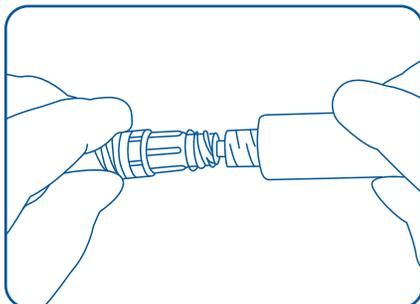
5. Allow the needleless access device to **dry for a minimum of 5 seconds**. Aseptically remove disinfection unit/syringe cap by twisting counterclockwise and discard as per facility protocol, including potentially unused disinfection unit. **DO NOT REUSE** disinfection unit/syringe cap.

**WARNING:** Do not leave the disinfection unit on the needleless access device after disinfecting.

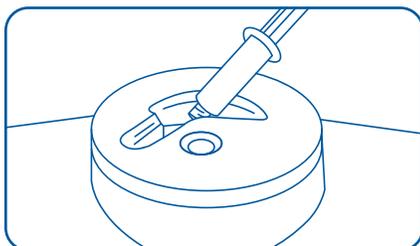


6. Hold the syringe upright and expel the air in the syringe.

**Note:** If using a blunt plastic cannula (not included with device) for flushing needleless IV system with split septum injection sites, attach blunt plastic cannula to syringe tip.



7. Attach the syringe to the needleless access device then flush system following institution's policy and indwelling device manufacturer's recommendations.



8. Discard used syringe and any unused portion of the solution according to institution policy. **DO NOT REUSE**.

# PosiFlush™ SafeScrub Prefilled Saline Flush Syringe

SKU Number	Size	Description	Quantity
303191	10 mL Prefilled Saline Syringe	0.9% Sodium chloride injection, USP, and 70% isopropyl alcohol	30/480

To learn more about the PosiFlush™ SafeScrub Prefilled Saline Flush Syringe, contact your local BD sales representative or call 1-844-823-5433.

For technical and clinical information about BD products and the procedures in which they are used, contact the BD Medical Information Services team at 1-800-562-0027 or email us at [medical.services@bd.com](mailto:medical.services@bd.com).

**Description:** BD PosiFlush™ SafeScrub is a prefilled saline flush syringe with an integrated disinfection unit. It comprises a flush syringe and a disinfection unit that is permanently attached to the distal end of the syringe cap. The prefilled flush syringe contains 0.9% sodium chloride injection, USP and performs as a delivery device at the time of administration. The disinfection unit is a disinfection cleaner that contains 70% isopropyl alcohol (IPA).

**Intended Use:** The 0.9% sodium chloride injection, USP, BD PosiFlush™ SafeScrub Prefilled Saline Flush Syringe with an integrated disinfection unit is intended to be used as a disinfection cleaner for needleless access devices attached to indwelling vascular access devices (VADs) and flushing of these VADs.

**Contraindications:** Do not use this device on patients weighing less than 2.1 kg (4.6 lbs).

- This product is not made with natural rubber latex or preservatives.
- Sterile Isopropyl Alcohol solution and sterile Sodium Chloride solution.
- **CAUTION:** Federal (USA) law restricts this device to sale by or on the order of a physician.

This guide is not intended as a replacement for the detailed information contained in the IFU. Please consult BD product labels and package inserts for any indications, contraindications, hazards, warnings, cautions and instructions for use.

- 1 Moureau NL, Flynn J. Disinfection of Needleless Connector Hubs: Clinical Evidence Systematic Review. *Nurs Res Pract.* 2015;2015:796762.
- 2 Sagana R, Hyzy RC. Achieving zero central line-associated bloodstream infection rates in your intensive care unit. *Critical Care Clinics.* 2013;29(1):1-9.
- 3 Haddadin Y, Annamaraju P, Regunath H. Central Line Associated Blood Stream Infections. In: StatPearls. Treasure Island (FL): StatPearls Publishing; November 26, 2022.
- 4 Chovanec K, Arsene C, Gomez C, et al. Association of CLABSI With Hospital Length of Stay, Readmission Rates, and Mortality: A Retrospective Review. *Worldviews Evid Based Nurs.* 2021;18(6):332-338. doi:10.1111/wvn.12548
- 5 Helm RE, Klausner JD, Klemperer JD, Flint LM, Huang E. Accepted but unacceptable: peripheral IV catheter failure. *J Infus Nurs.* 2015;38(3):189-203. doi:10.1097/NAN.000000000000100
- 6 BD Inc. Data on file. In vitro test results may not be predictive of clinical performance. Demonstrated reduction of the most common causative agents of CRBSI including Staphylococcus aureus, Staphylococcus epidermidis, Pseudomonas aeruginosa, Escherichia coli, Candida glabrata and Candida albicans.
- 7 BD PosiFlush™ SafeScrub Prefilled Saline Flush Syringe Instructions for Use.

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[bd.com](http://bd.com)

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