



ZR™ Prefilled Saline Flush Syringes



**NEEDLE
FREE**

Endorsed by:



ZR Syringe Technology

“ Prefilled syringes, with their single-use, disposable format, together with the fact that they eliminate several of the procedures required prior to administering a formulation presented in a vial, are significantly quicker and more convenient. Ease of use, in addition to simply making them more convenient, means that prefilled syringes are safer.¹”

ZR Prefilled Flush Syringes

A single device for flushing in-situ vascular access devices

Convenient

- Less preparation, fewer materials, easy storage and disposal.
- Remove need for vials, ampoules and needles with a single product.
- Available ready-to-use in unit doses.
- Simplify catheter maintenance procedures.

“...prefilled syringes are very much appreciated by nurses and pharmacists for their ease of use, safety and associated time savings²...”

Cost-Effective

- Eliminate flush syringe filling labour.
- Reduce costs for drug wastage.
- Simplification of purchasing and inventory control.

“It is preferable that only licensed ready-to-administer or ready-to-use injectable medicines are procured and supplied.”³

“The additional cost of preparing in pharmacy or purchasing ready to administer and ready to use product should be off-set against preparation in the clinical area which incorporates the cost of the component materials, staff time, wastage and associated risk.”³

Safe

- Promote best practice for IV line maintenance.
- Reduce contamination risk from multiple vial withdrawals or community bags.
- Sterile via terminal sterilisation process.

“Implement a ‘purchasing for safety’ policy to promote procurement of injectable medicines with inherent safety features.”³



According to a study, 8% of saline solutions manually prepared by nursing staff were contaminated with micro-organisms.⁴ The Infection Control Journal has suggested that ‘the use of single-dose vials or prefilled saline syringes might further reduce the risk for nosocomial transmission of blood-borne pathogens’.⁵

Clinical best-practice guidelines for catheter maintenance recommend the routine flushing of peripheral IV access sites with normal saline solution.⁶ ZR syringes provide a simple and effective means to accomplish best practice, help infection control and promote patient safety and comfort.

Using ZR Prefilled Flush Syringes is Easy

- Simply push on plunger to break seal (Figure 1).
- Remove tip cap and prime syringe to expel air (Figure 2).
- Connect to patient’s access device (Figure 3).
- Flush catheter according to facility policy.

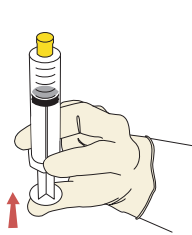


Figure 1

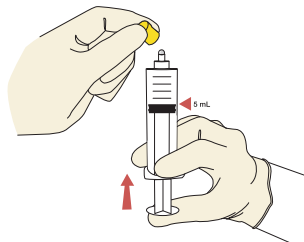


Figure 2

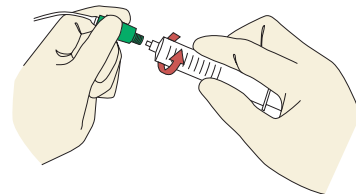


Figure 3

Refer to data sheet for instructions for use.

References

- 1 Dr. T. Schoenknecht, M. Romacker. “Prefilled Syringes: Why New Developments are Important in Injectable Delivery Today.” OndrugDelivery Ltd. 2005.
- 2 B. Detournay, G. Aden, X. Fabregas. M. Lattarulo, G. Lebouvier. “Prefilled Disposable Syringes vs Conventional Injection systems: European Medicoeconomic Analysis.” EHP. Vol 4, No 4. December 1998.
- 3 NIH. National Patient Safety Agency. Patient Safety Alert: Promoting safer use of injectable medicines. No. 20. March 2007.
- 4 Calop J, Bosson JL, Croizé J, Laurent PE. Maintenance of peripheral and central intravenous infusion devices by 0.9 %sodium chloride with or without heparin as a potential source of catheter microbial contamination. J. Hosp. Infection 2000; 46:161-162.
- 5 G. Krause, M. J. Trepka, R. Whisenhunt, D. Katz, O. Nainan, S. Wiersma, R. Hopkins. “Nosocomial Transmission of Hepatitis C Virus Associated With the Use of Multidose Saline Vials.” Infect Control Hosp Epidemiol. 2003;24:122–127.
- 6 The Joanna Briggs Institute for Evidence Based Nursing (So. Australia). “Management of Peripheral Intravascular Devices.” Best Practice: Evidence Based Practice Information Sheets for Health Professionals. Volume 2, Issue 1. 1998.

ZR Syringe Technology

Sterile, prefilled saline flush syringes that facilitate best practice for aseptic intravenous (IV) set maintenance. Designed to reduce syringe-related reflux. Available in sterile field and sterile pathway options.

STERILE FIELD SYRINGES, INDIVIDUALLY PACKAGED

ORDER NUMBER	FLUSH VOLUME	SYRINGE SIZE	QTY/BOX	QTY/CASE
15091 280	10 mL	10 mL	35	280



STERILE PATHWAY SYRINGES, INDIVIDUALLY PACKAGED

ORDER NUMBER	FLUSH VOLUME	SYRINGE SIZE	QTY/BOX	QTY/CASE	NHS CODE
15051 240	5 mL	10 mL	30	240	FWC146
15011 240	10 mL	10 mL	30	240	FWC147



SPECIFICATIONS:

- Syringe: Polypropylene.
- Piston: Polyisoprene.
- Tip Cap: Thermoplastic elastomer.
- Fluid: Isotonic solution of 0.9% sodium chloride; osmolarity of 0.31 mOsmol/mL, pH 4.5–7.0.
- Sterile Pathway Volume: 5 mL in 10 mL; 10mL in 10mL.
- Sterile Field Volume: 10 mL in 10mL.
- Packaged individually.
- Sterile Field: Contents are sterile and non-pyrogenic in unopened, undamaged package.
- Sterile Pathway: Fluid and fluid pathway are sterile and non-pyrogenic in unopened, undamaged package.
- Do not resterilise.
- Made in the USA.

For more information, visit www.baxa.com/zr

To place an order:

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