

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.



ZR™ Prefilled Saline Flush Syringes

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:

Austria

tel: 0800 296 745
fax: 0800 296 746

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tel: 0800 914 524
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tel: 800 257 65
fax: 800 257 63

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fax: 0845 609 0251

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“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 routine flushing of peripheral IV access sites

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.

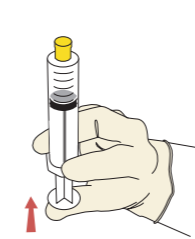


Figure 1

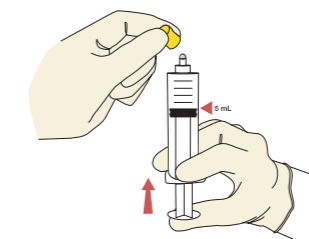


Figure 2

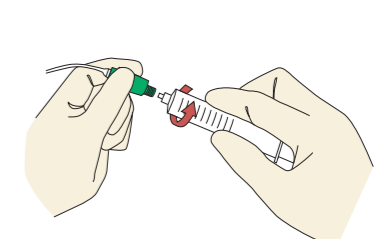


Figure 3

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.