From the BD production line to your patient's IV line, quality flows through the BD PosiFlush™ Prefilled Saline Syringe

The BD PosiFlush™ Prefilled Saline Syringe is a solution that is part of the BD vascular access management portfolio and may be a safe and effective way to optimise intravenous (IV) therapy. This polypropylene syringe, containing a sterile 0.9% sodium chloride solution, is an effective flushing device for intravascular access devices. Effective flushings help maintain catheter patency and minimise the risk of contamination.[1]

The BD PosiFlush™ Prefilled Saline Syringe is available in three sizes of equal diameter:
3 mL, 5 mL and 10 mL.

Our commitment to patient safety

The IV catheter is one of the most used medical devices in the world. Although one of the most common ways to administer medication in healthcare facilities[2], IV therapy always carries a risk of complications for patients. From 35-50% of patients experience a catheter-related complication.[2]

The BD Patient Safety initiative seeks to optimise care along the entire patient pathway, while promoting a culture of safety in healthcare facilities. As part of this initiative, BD supports those who strive to make vascular access management a recognised discipline within healthcare. This integrated approach to vascular access device selection, site preparation, placement, securement, connection and maintenance is designed to improve patient safety and the quality of care. Choosing a BD PosiFlush™ Prefilled Saline Syringe may help protect your patients and healthcare workers.

Ensuring quality every step of the way

The BD plant in Fraga, Spain manufactures the BD PosiFlush™ Prefilled Saline Syringe, along with other vascular access management solutions. This plant is the largest medical device sterilisation centre in Europe and it has the largest robotised medical device warehouse in Spain.[3] Along with high-quality raw materials and stringent processes, the dedication of our associates is essential for delivering the highest quality standards every single day. The BD PosiFlush™ production line is fully automated. This is how BD ensures that consistent, high-quality syringes are made available to clinicians across Europe every day.

"Quality is a matter of trust."

Javier Pardiño, BD Fraga plant director

From the production line to your patient's IV line

From plastic pellets to the final product, there is no human contact with BD PosiFlush™ Prefilled Saline Syringes until they are in the hands of a healthcare worker. Even before the production process begins, vendors and raw materials are selected. Once the raw materials are carefully received at the plant, they are subjected to incoming quality inspections before moving on to the production line.

Throughout the production process, syringes are inspected to ensure quality. Good manufacturing practice is respected throughout the entire process[4].

BD PosiFlush™ Prefilled Saline Syringes are sterilised using moist heat, which eliminates microorganisms.[5]

"We make the best product possible, so that healthcare workers can focus on the patient."

Alberto Villalba, BD PosiFlush™ production manager

After production, the syringes are packaged. Pallets of syringes are then loaded onto lorries. After loading, the syringes are transported to our European distribution centre. All shipments are carefully monitored from the plant to the distribution centre, and all the way through to customer delivery.

BD commitment to quality and patient safety is at the heart of everything we do. This is reflected at every step of our BD PosiFlush™ Prefilled Saline Syringe production process because BD knows how important they are to your healthcare facility and your patients.

Discover BD Patient Safety: **eu.bd.com/patient-safety**

References
1. Sacha G, Rogers JA, Miller RL. Pre-filled syringes: a review of the history, manufacturing and challenges. *Pharm Dev Technol*. 2015;20(1):1-11. doi: 10.3109/10837450.2014.982825.
2. 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.0000000000000100.
3. Europa Press. La empresa Becton, Dickinson and Company, de Fraga, logra el Premio Empresa Huesca 2011. *20 minutos*. 24 March 2011. Accessed on 19 November 2019, at https://www.20minutos.es/noticia/999692/0/
4. Council Directive 2001/83/EC of 28 May 2014 on the principles and guidelines of good manufacturing practice for active substances for medicinal products for human use. *Official Journal* of the European Union. 2014;L337:1-7.
5. Brown K, Graf LM, Guyader MJ, et al. Technical Report No. 48 Moist Heat Sterilizer Systems: Design, Commissioning, Operation, Qualification and Maintenance. Bethesda, Maryland, United States: Parenteral Drug Association; 2010.

BD Switzerland Sàrl, Terre-Bonne Park - A4, Route de Crassier 17, 1262 Eysins, Switzerland

bd.com