



-Tip™

Needle-Free  
Injection System

## Product Overview

The J-Tip Needle Free Injector is a revolutionary way to anesthetize patients virtually pain free without the use of a needle.



J-Tip .25mL Subcutaneous (SC) Jet Injector

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## Benefits

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Quick and  
Easy to Use



Virtually  
Pain Free



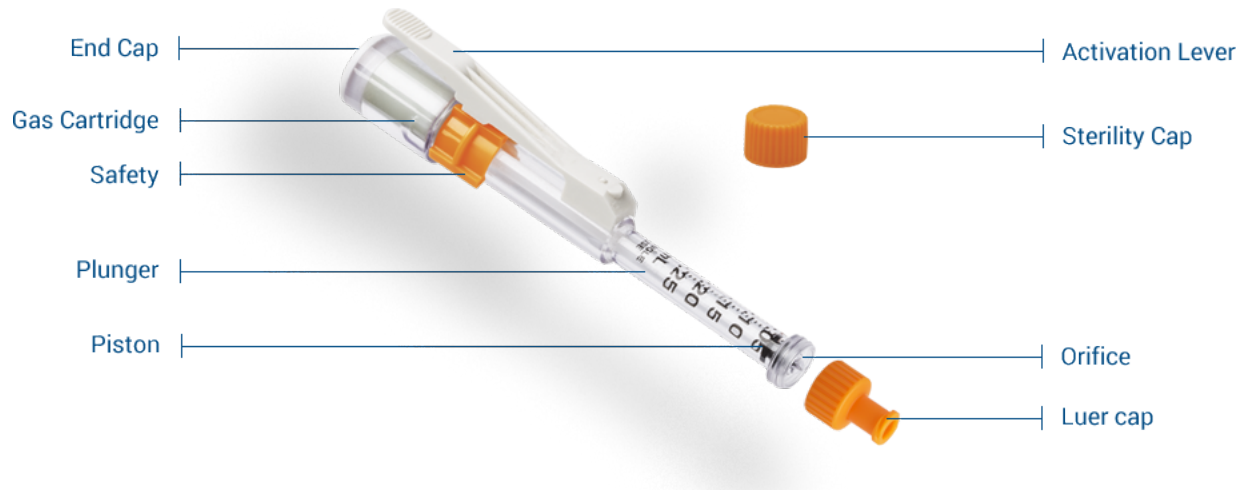
Needle  
Free



Helps Improve  
Patient Satisfaction

# Technology

The J-Tip is a U.S. FDA cleared, sterile, single use, subcutaneous jet injector indicated for use with Xylocaine (Lidocaine). J-Tip's innovative technology uses CO<sub>2</sub> gas to create a fine stream of liquid anesthesia which is able to pass through the skin and into the subcutaneous tissue. The CO<sub>2</sub> gas does not come into contact with the medication and is exhausted from the device once the injection has been given. Jet injection technology is able to create a spray like pattern of medication once inside the subcutaneous tissue, which allows for broad dispersion and quick absorption.



## Uses and Applications

The J-Tip is cleared for use with Xylocaine (Lidocaine). We recommend using the J-Tip with 1% Buffered Lidocaine if available, or a standard preservative free lidocaine (MPF), as these medications have been found to be most comfortable for patients vs. regular lidocaine.

**The J-Tip can provide local anesthesia for pain relief prior to the following procedures and more:**

- IV Starts
- Blood Draws
- Lumbar Punctures
- PICC insertions and IM injections
- Minor Surgical Procedures

**The J-Tip can help reduce procedural pain in these departments:**

- ER
- Pediatrics
- Child Life
- Infusion Therapy
- Vascular Access Team (VAT)
- Anesthesiology
- Surgical Services
- PICU
- Radiology
- Pain Management

## Clinically Proven

Multiple studies and clinical trials have been conducted over the past 15 years to evaluate the efficacy of using the J-Tip to provide local anesthesia for pain relief prior to routine needle procedures. The Emergency Nurses Association has evaluated the volume of research available in their 2015 Clinical Practice Guideline on Needle-Related Procedural Pain in Pediatric Patients.

The ENA Clinical Practice Guideline Committee has given their highest level of recommendation (Level A) to Subdermal Local Anesthetic with Needle-Free Delivery (using the J-Tip).

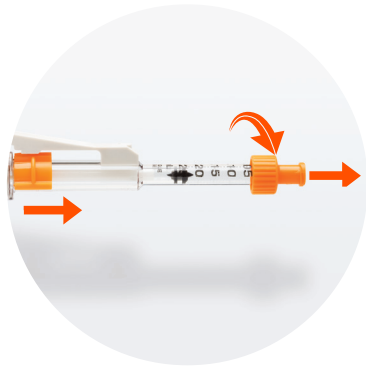
# As Easy as 1,2,3,4!



**1** Select an injection site and prepare with disinfectant.



**2** Fill J-Tip with medication.



**3** Slide orange Safety Collar forward and remove orange Luer Adapter.



**4** Press the J-Tip against skin firmly at a 90° angle. Squeeze Activation Lever to inject. Do not inject directly over a vein.

Refer to User Guide and Instructions for Use (IFUs) to ensure safe injections.

## Optional Components



**J-Tip Sterility Cap**

Many hospitals choose to fill the J-Tip prior to its time of use. We recommend the use of a Sterility Cap to protect the J-Tip after it has been filled and prior to its time of use. Store J-Tip at room temperature (60-100 °F).



**Universal Vial Luer Adapter**

For users who choose to fill the J-Tip by the bedside, we recommend using a Universal Vial Luer Adapter in combination with a standard luer lock syringe to draw medication from a vial and transfer it into the J-Tip.