



-Tip™

Needle-Free  
Injection System

# User Guide

**Important:** Reading and understanding of both the User Guide and the Instructions for Use (IFUs) is required prior to using the J-Tip. Follow Instructions for use carefully.

Guidance and information is always available from one of our knowledgeable team members, so don't hesitate to contact us with any questions at [949-768-1147](tel:949-768-1147).

## 4 Easy Steps to Pain Relief!

- 1 Select and Prepare Injection Site
- 2 Fill J-Tip with Medication
- 3 Prepare J-Tip for Activation
- 4 Give the injection

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### Step One: Select and Prepare the Injection Site

Disinfect the area allowing the disinfectant to dry completely prior to injection.

The injection site should be selected according to where the patient will be receiving an IV placement or other needle procedure. Select a location that will have the most subcutaneous space. Never inject directly over a vein, instead inject to the side of the vein. After injection use a sterile gauze to manipulate the medication over the vein. You may also use the Z-Track method when appropriate. Using Z-Track method allows you to inject on the skin above the vein by pulling the skin to the side of the vein during injection. The skin is then released and returns over the vein. However, if the vein rolls with the skin or disappears when the skin is pulled to the side while attempting Z-Track, choose to inject next to the vein instead.



## Step Two: Fill the J-Tip with Medication

The J-Tip may be filled by a clinical staff member at bedside from a vial, pre-filled luer syringe by 3rd party pharmacy or hospital's pharmacy.

If the J-Tip will be filled at the bedside or at its time of use, follow the steps below.

1. Attach a Vial Luer Adapter to medication vial.
2. Use a standard luer lock syringe to draw the desired quantity of medication.
3. Attach luer lock syringe to J-Tip and fill the J-Tip with the desired quantity of medication.

It should be noted that a blunt needle can be used in place of a Vial Luer Adapter to draw medication from a vial.



**1** Attach a Vial Luer Adapter to medication vial.



**2** Use a standard luer lock syringe to draw the desired quantity of medication.



**3** Attach luer lock syringe to J-Tip and fill the J-Tip with the desired quantity of medication.

## Step Three: Prepare the J-Tip for Activation

Inspect the J-Tip for damage and confirm the presence of a white End Cap, white Activation Lever, orange Safety Collar, and orange Luer Adapter or orange Sterility Cap.

Do not use J-Tip if any component is missing or damaged.



Remove the orange luer adapter cap or orange sterility cap from the end of the device



Lightly pinch up on the activation lever and slide the safety collar forward. Then twist to remove.

## Step Four: Give the Injection

Hold the J-Tip at a 90° angle, pressing the end of the device with a slightly firm compression against the skin on the desired injection site. If the Z-Track method is being used, use one hand's index finger or thumb to move the skin above the vein over to the side, while holding the J-Tip in the other hand as shown below. Once you are ready to inject, squeeze the Activation Lever. You will then hear a “pop” sound which confirms the J-Tip has been activated. The medication will be injected in a fraction of a second, however hold the J-Tip over the injection site for an additional 2-3 seconds following its activation. Then massage the injection site with a sterile gauze pad to help the medication disperse in a broad pattern. The J-Tip can now be discarded.

The injection area will become fully numb within 1-2 minutes and will have full effect for 15-20 minutes thereafter.



## Recommendations and Precautions

### Recommendations

- We recommend the use of 1% buffered lidocaine if available, or a preservative free lidocaine (MPF), to minimize any stinging or burning that can be associated with standard lidocaine.
- We recommend reading our FAQs section prior to use.
- The pressure used to deliver the medication is vented from the device upon activation which will make a “pop hiss” sound and should be explained to the patient prior to using the J-Tip. We like to compare the sound to opening a soda can. For younger and/or more anxious patients, distraction techniques can help keep the patient calm at the time of injection. Please review our Preparing Patients document for ideas.

### Precautions

- The J-Tip is not fragile, but usual caution should be exercised in handling. Prior to use, do not puncture or submit the CO<sub>2</sub> cartridge to any undue abuse as this could cause injury.
- Store the J-Tip at room temperature (60-100 °F).
- Approach intended dose reading with care so as not to overfill, since it is not possible to withdraw fluid from the J-Tip Needle-Free Injector. Overfilled injectors should be expelled and discarded.
- Avoid bubbles. Care should be taken to assure that medications are free of air bubbles and are completely soluble before transferring into the J-Tip Needle-Free Injector from a prefilled syringe.
- Patients receiving anticoagulants or persons with hemophilia, or other coagulation disorders may present greater incidence of post-injection bleeding and bruising.
- Take the same precautions as you would with needle-syringe injections and administer the appropriate treatment to minimize site reactions.
- The J-Tip is not recommended for use over ports.
- Discard if package is not intact.

### Contraindications

- Patients receiving chemotherapeutic agents may report increased incidents of tissue necrosis, ecchymosis, or bleeding at the injection site.