

# The LeEject 2<sup>®</sup> Syringe and Needle System

## Instructions for Use

### Introduction

The LeEject 2 Syringe is exclusively for use with LeEject Needles and accepts a 1.8cc anesthetic cartridge. The LeEject 2 syringes are available in Type CW (Cook-Waite) and Type A (Astra) finger rests. The syringes are supplied non-sterile. Please visit [www.LeEject.com](http://www.LeEject.com) and watch the instructional video prior to handling.

### Indications for Use

The LeEject 2 Syringe and Needle System is indicated to be used in conjunction with the anesthetic cartridges for injection of anesthetic solutions in the oral cavity.

### Warnings

1. Do not apply extreme physical pressure or bend the needle which may cause the needle to break.
2. Do not pick up a dropped needle with hands; use dental pliers or a hemostat to pick up the dropped needle.
3. To avoid a needle stick injury, discard the used needle immediately after all injections have been given. If an additional injection is needed, use a new needle. Avoid transferring uncapped needles to other dental personnel to avoid needle stick injuries.

### Precaution

1. The syringes are supplied non-sterile and must be sterilized prior to use. Use only steam heat sterilization (autoclave); do not use cold sterilizing solutions or dry heat sterilization.
2. Sharps containers with large opening are recommended for easy disposal of the needles. It is recommended to remove all sharps in the treatment area prior transferring to sterilization area.
3. The needles are disposable. If the seal of the needle is broken, the needle is not sterile and must not be used.

## Operating Instructions

1. Please remember that the needle is loaded before a cartridge is inserted. The empty cartridge must be removed prior to needle disposal.
2. The plastic safeguard secures the needle, but primary needle stability is achieved by the force of injection.

### Loading the LeEject Needle

1. Rotate the plastic safeguard to open the cone receptacle area of the syringe.
2. Twist off the short protective cap and place the cone part of the needle into the safeguard.
3. Rotate the safeguard clockwise to secure the needle.

### Insertion and Removal of Anesthetic Cartridges are same as other dental syringes.

1. Retract the piston rod fully and place the anesthetic cartridge into the syringe barrel.
2. Tap the thumb ring hard to engage the harpoon into the cartridge plunger.
3. Aspirate and inject slowly.
4. Disengage the harpoon from the cartridge by pulling the thumb ring rapidly.
5. While the piston is retracted, tilt the syringe to expel the empty cartridge.
6. Place another cartridge into the syringe if needed.

### Disposal of the Needle

1. Remove the cartridge prior to removing the needle.
2. Rotate the safeguard counterclockwise **fully** to expose the cone part of the needle and invert the syringe upside down so that the needle will fall directly into an opening of a sharps container.
3. Alternatively, place the needle onto a dental tray, and dispose of the needle and other sharps into a sharps container using dental pliers.

## Cleaning Instructions

Routine use of a dental syringe results in minimal contact with saliva and blood. The plastic safeguard should be removed only when both conditions are met:

1. The syringe is grossly contaminated with blood and saliva; and
2. The syringe was not cleaned immediately or pre-soaked.

To remove the safeguard, rotate the safeguard from open (unlock) to close (lock) position and apply more force in the same direction until the safeguard is disengaged.

1. **Rinsing.** and Manual Cleaning. Scrub and rinse the instruments under running water with a soft brush and pH neutral detergent.
2. **Ultrasonic Cleaning.** Clean the instruments in the ultrasonic bath for 20 minutes. Rinse them and lay on paper towel to dry.
3. **Inspect and Reassemble.** Inspect for loose components like the thumb ring or finger rests and re-tighten if needed. Reinsert the safeguard into the LeEject 2 syringe by force until two **clicks are heard** and the safeguard tip is even with the syringe tip.

## Sterilization Instructions

1. Place a syringe in the appropriate sterilization packaging materials, such as wraps or pouches with indicators.
2. Autoclave syringes according to an approved National/International Standard. The LeEject 2 syringes have been tested with no adverse effects under the following sterilization parameters with acceptable results.

Steaming Type: Pre-Vacuum steam sterilizer  
Temperature: 132 degree C (270F)  
Exposure Time: 4 minutes  
Dry Time: 30 minutes

3. Store syringes in a dry and clean area in the sterilization pouches.

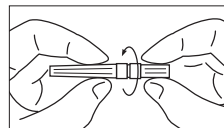
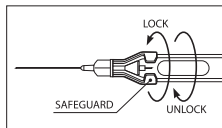
## User Assistance Information:

Advanced Technology & Capital, Inc., 5 Sylvan Avenue, Englewood Cliffs, NJ 07632, USA.  
Contact us by email at [info@LeEject.com](mailto:info@LeEject.com) or call us at +1 201 803 5202.

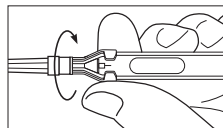
The LeEject 2 syringes and needles are made in the Republic of Korea.

Revised in 8/18.

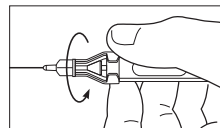
## LeEject 2<sup>®</sup> Syringe Instructions



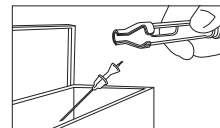
1. Twist off the protective cap.



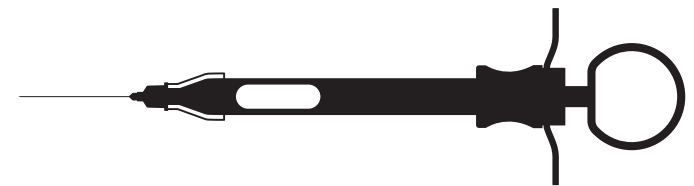
2. Place the needle into the syringe and rotate the plastic Safeguard clockwise.



3. After use, remove cartridge and turn Safeguard counterclockwise.



4. Position syringe and invert it so that needle falls into sharps container.



**LeEject 2<sup>®</sup> Syringe & Needle**  
Dental Safety Device