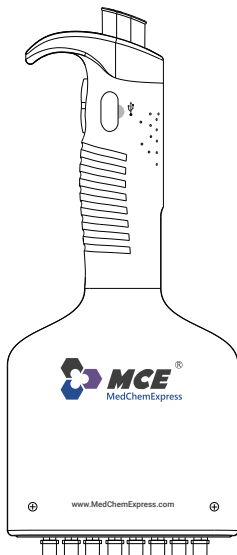


# User Manual



## 8-Channel Handheld Screw Cap Decapper



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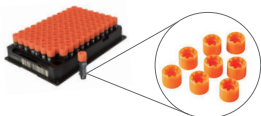
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# Decapper Overview and Compatibility

**Designed for use with:**

## 1. Round Cap Drivers

(1) FluidX Screw Caps, As shown in the figure below



Note: Compatible with 96-SBS rack format screw capped tubes



Round Cap Driver

## 2. Square Cap Drivers

(1) Thermo Scientific Screw Caps:

- Matrix 2D ScrewTop tubes:

4906, 4477, 3740, 3741, 3742,  
3743, 3744, 3745

- Nunc Cryobank 2D barcoded tubes:

374082, 374086, 374084, 374088, 374066,  
374074, 374070, 374078, 374017

(2) Corning 96 1D/2D Bar Coded Storage Tubes:

8500, 8501, 8502, 8503

(3) BIOLOGIX 1.4ml SBS ScrewTop tubes:

88-5143, 98-5227, 89-5143



Square Cap Driver

## **Hazards and Precaution**

1. There are no known hazards associated with the MCE 8-Channel Decapper when it is operated in accordance to instructions mentioned in the manual.
2. If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

## **Environmental Operating Conditions**

1. Operating Temperature: 10-35°C(50-95°F).
2. Relative Humidity: 10-95% non-condensing .

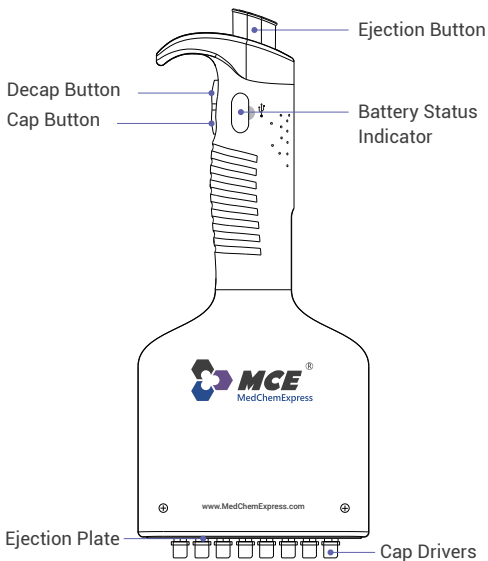
## **Parts**

### **Materials included in the package:**

1. MCE 8-Channel Decapper
2. Square and Round Cap Drivers (2 types, 8 Cap drivers for each type)
3. Operation Manual
4. Warranty Card
5. Cap Driver Changer

If any of the above parts are missing, please contact your MCE representative or our authorized distributor.

## Product Overview



## Operation

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### Power Requirements

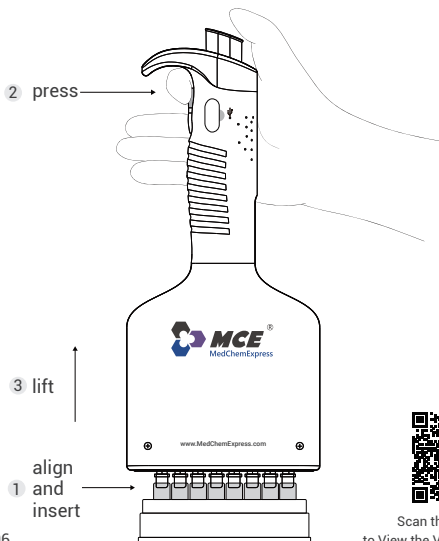
1. Power supply input: DC5-12V quick charge, 3A, 15W.
2. Interface type: Type-C Port Manager; support computer, notebook interface charging.

### Charging the Decapper

1. Before first-time use, charge the Decapper by plugging the power supply into the recharge socket at the base of the handle. Plug the other end into a standard 100-240 volt, 50-60 Hz wall socket and allow the unit to charge up to 1.5h. After 1.5h, the unit will be fully charged. Charging with computer or notebook interface will prolong the charging time.
2. Charging Status:
  - (1) **Red** = Battery charging, not fully charged
  - (2) **Green** = Battery fully charged
3. It can be used continuously for about 2-3 hours after being fully charged.

## Decapping

1. The tubes should be placed on the corresponding tube rack.
2. Hold the Decapper and make sure that all the “Cap Drivers” is fully inserted into the eight corresponding screw caps and the “Ejection Plate” should be parallel to the tubes.
3. Hold the position, press the “Decap Button” to open the caps, move the Decapper away from the tubes, now screw caps have been removed from the tubes and seated into the “Cap Drivers”.





## Parking Screw Caps

1. Screw caps may be seated into the "Cap Drivers" of the Decapper during all steps of pipetting into and from the open tubes. At this stage, the Decapper may be kept in the stand.
2. Alternatively press the "Ejection Button" and eject screw caps into the wells of a cap carrier. Thus, multiple rows of tubes may be opened and later on re-closed after pipetting steps have been completed.



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## Capping

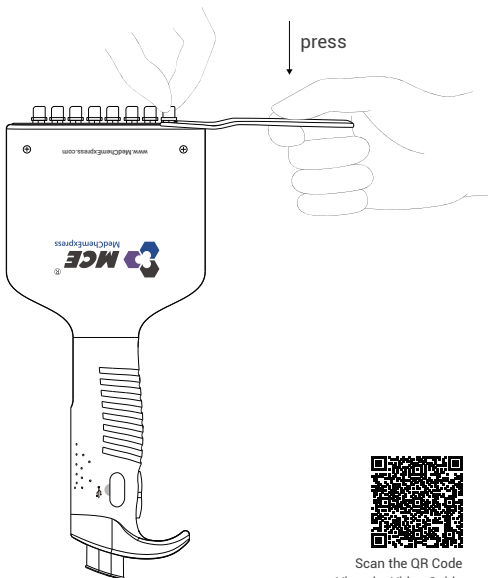
1. Insert the "Cap Drivers" into the screw caps, line up the Decapper with the row of tubes to be recapped, making sure the "Ejection plate" is parallel with the tubes.
2. Before starting the operation, ensure that all screw caps are properly loaded into the "Cap Drivers".
3. Press the "Cap Button" on the handle until all caps are screwed on the tubes.
4. Release screw caps by pressing the "Ejection Button".



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## Changing Cap Drivers

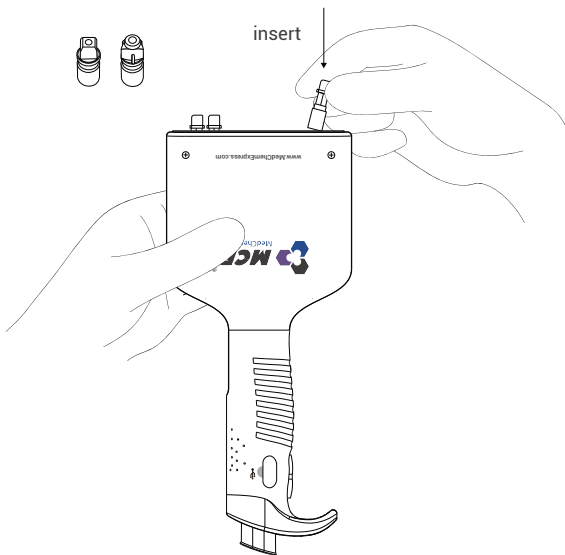
1. Hold the handle of the Decapper and put the Cap Drivers' end upward.
2. Clamp the opening part of the "Cap Driver Changer" under the ring protrusion of the "Cap Driver" and pry it vigorously, make the "Cap Driver" out of the Decapper. Repeat the same operation until all "Cap Drivers" are removed.



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## Changing Cap Drivers

3. Take another set of “Cap Drivers” prepared by MCE, pinch the smaller end of one “Cap Driver” and insert the other end into the “Cap Drivers” hole hard. Repeat the operation until all adapters are plugged in. Finally, you need to ensure that the “Cap Drivers” does not wobble or fall when you hold the handle vertically down. At this point, all “Cap Drivers” have been replaced successfully.



## Cleaning

1. MCE 8-Channel Decapper can be cleaned with common laboratory disinfectants but must not be submerged in liquid.
2. Do not autoclave the instrument.
3. Steps to Disinfect:
  - (1) Wet a wipe cloth with the desired disinfectant.
  - (2) Wipe down Decapper making sure not to drip disinfectant into the inner cavity.
4. Suggested Disinfectants:
  - (1) Alcohol Wipes
  - (2) 5% Bleach Solution
  - (3) RNase Away
  - (4) DNA Away

## Maintenance

1. Keep the surface of the Decapper dry during use.
2. Keep the surface of the Decapper dry during use.

## Warranty

MCE 8-Channel Decapper is guaranteed for 12 months, excluding man-made damage. Please contact our sales representative or authorized agent for any other quality related problems.



**Do not dispose of electronic and electrical equipment randomly, as it may cause environmental pollution.**

## Contact Information

Exporter's name: MedChemExpress

Tel : 609-228-6898

Fax: 609-228-5909

E-mail: [sales@medchemexpress.com](mailto:sales@medchemexpress.com)