

MAKING SCIENCE  
AFFORDABLE

# 8-CHANNEL HANDHELD CAPPER/DECAPPER USER GUIDE

telephone: +44 (0)1279 940 983  
fax: +44 (0)1707 240 451  
email: [support@3crbio.com](mailto:support@3crbio.com)  
web: <https://3crbio.com/>

Unit 10, West Point Business Park, West Road, Harlow,  
Essex, CM20 2BU United Kingdom

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## 1. INTRODUCTION

Welcome to the user guide for the 8-Channel Handheld Capper/Decapper, a versatile and innovative tool designed to streamline laboratory workflows. Engineered to handle the simultaneous capping and decapping of multiple tubes, this device enhances efficiency, ensures consistent performance, and reduces operator fatigue. With its lightweight, ergonomic design, the 8-Channel Handheld Capper/Decapper is tailored for seamless integration into both manual and automated systems, making it an indispensable asset for laboratories of all sizes.

The 8-Channel Handheld Capper/Decapper is designed for use with the following tubes:

- 0.75 mL 3CR Bio sample tubes
- 0.9 mL 3CR Bio sample tubes
- 1.0 mL 3CR Bio sample tubes

## 2. SAFETY WARNINGS AND PRECAUTIONS

There are no known hazards associated with the 3CR Bio 8-Channel Handheld Capper/Decapper when it is operated in accordance with the instructions in this manual.

The equipment should only be used in the manner specified. Other uses may cause damage to the equipment.

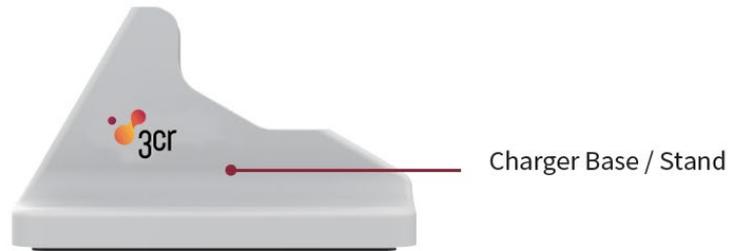
### Operating Conditions:

- Temperature: 5-35°C
- Relative Humidity: 10-95%

### The following items are included:

- 3CR Bio 8-Channel Handheld Capper/Decapper
- Charger base/stand
- Operation manual
- Power adapters
- Empty tube rack

COMPONENTS OF THE 8-CHANNEL HANDHELD CAPPER/DECAPPER



## 3. BASIC OPERATION

### POWER REQUIREMENTS

Power supply input: 100 V-240V AC, 50/60 Hz. Power supply output: 10.0V DC, 1.0 A, constant voltage

### CAPPING/DECAPPING TECHNIQUE

Hold the Handheld Capper/Decapper in one hand so that your thumb can press the Cap Release, Capper, and Decapper buttons.

### DECAPPING

1. Place the Handheld Capper/Decapper over a row of tubes to be decapped, ensuring the ejector plate is parallel with the top of the tube caps.
2. While lightly pushing down on the tube caps, press the “” button on the handle to ensure all caps are seated properly into the cap drivers on the device head.
3. Once all caps are seated, press the “” button again until the tubes are decapped.

### EJECTING CAPS

1. After decapping, align the Handheld Capper/Decapper with an empty row on the spare tube rack provided.
2. Insert the caps into cavities in the empty tube rack.
3. Push the ejection trigger rod

### CAPPING/RECAPPING

1. Apply the caps from the tube rack onto the cap drivers on the Handheld Capper/Decapper head.
2. Align the Handheld Capper/Decapper with the row of tubes to be recapped, ensuring the ejector plate is parallel with the tubes. Place the Handheld Capper/Decapper on the tubes.
3. Press the “” button to recap. **Do not push caps on manually.** Let the caps screw onto the tubes.
4. Once the caps are securely on the tubes, press the cap release button to remove the caps from the cap drivers.

### CHARGING

1. Place the Handheld Capper/Decapper into the charger base/stand.
2. The device will automatically charge when in the charger base/stand if plugged into a wall socket.
3. A full charge takes approximately 2-3 hours

#### LED Indicator Lights:

- Blinking Red & Green: Charging
- Solid Green: In operation or charge complete

Note: For long-term use, avoid leaving the device connected to the charger for extended periods, as this may shorten the battery life.

## 4. MAINTENANCE AND SERVICE

### DECONTAMINATION

The entire 3CR Bio 8-Channel Handheld Capper/Decapper can be cleaned with most common laboratory disinfectants but **must not be submerged in liquid**. This instrument contains electrical components that cannot be autoclaved.

#### Steps to disinfect:

1. Wet a cloth with the desired disinfectant.
2. Wipe down the Handheld Capper/Decapper, ensuring no disinfectant drips into the inner cavity.

Suggested Disinfectants: Alcohol Wipes

### SERVICE/MAINTENANCE

Service the 3CR Bio 8-Channel Handheld Capper/Decapper after **30,000 cycles** or **1 year** of continuous use, whichever occurs first.

### DISPOSAL

The disposal of the 3CR Bio 8-Channel Handheld Capper/Decapper is the customer's responsibility and must be conducted in an environmentally responsible manner.

## 9. ORDERING INFORMATION

For ordering details, please visit [www.3crbio.com](http://www.3crbio.com)

## 10. SUPPORT

If you require any support with the use of the 8-channel Handheld Capper/Decapper or other 3CR Bioscience products, please contact our Technical Support team on [support@3crbio.com](mailto:support@3crbio.com).

## 11. WARRANTY

A 12-month warranty is included with the 3CR Bio 8-Channel Handheld-Capper. For further details, please contact 3CR Bioscience. Any unauthorised modifications to this instrument will void the warranty.

## 13. LICENCE INFORMATION

### **For Research Use Only. Not for use in diagnostic procedures.**

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For any queries about this guide please contact:

Email: [support@3crbio.com](mailto:support@3crbio.com)

Tel: +44 (0)1279 940 983

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