

# Instruction Manual

appleton®

## Mini Centrifuge

AES2000



### Introduction

The **Appleton** Mini Centrifuge is designed for low speed applications and quick spin downs of microcentrifuge tubes (0.2ml - 2.0ml) and for eight position PCR strips.

Please read this manual thoroughly before attempting to operate the Appleton Mini Centrifuge.

## **I. Specifications**

<b>Speed</b>	6000 rpm / 2000xg
<b>Capacity</b>	8 x 1.5/2.0mL
<b>Dimensions</b>	5.7 (W) x 6.9 (D) x 4.5 (H) in. 14.5 (W) x 17.8 (D) x 11.4 (H) cm.
<b>Maximum radius</b>	4.9cm
<b>Electrical</b>	120V to 240V, 50-60 Hz, 50W
<b>Warranty</b>	2 years, parts and labour

## **II. Product Set-Up**

Remove the Mini Centrifuge from the box. Keep all packing materials until the unit is shown to be in good working order.

Place the Mini Centrifuge on a flat and level surface nearby an electrical outlet. It should not be near a heat source or in direct sunlight.

### **Rotor Exchange:**

The **Appleton** Mini Centrifuge includes a second rotor that is designed for holding PCR tubes (0.2ml) and PCR strips (8 position). The rotor is conveniently stored in a compartment on the bottom of the centrifuge. To access this rotor, turn the machine upside down and remove it from the compartment.

#### **- Removing the Rotor from the motor shaft:**

The **Clik-n-Lok™** rotor attachment system allows for instant exchange of rotors. To remove a rotor, simply pull it upwards, off the shaft. (NO TOOL IS REQUIRED.)

**- Attaching the Rotor to the motor shaft:** Place the rotor on the motor shaft and press down until the rotor comes to a stop. The rotor is now secured. (NOT TOOL IS REQUIRED)

### III. Product Operation

Attach the power cord and place the power switch into the on " - " position.

- Open the lid and load your samples into the rotor. Always ensure a balanced load (Please see the following section, **Loading the Rotor**, for details.)
- Close the lid, the rotor quickly accelerates to the maximum speed of 6200 rpm.
- When the desired run time is completed, push on the lid button to open the lid, the rotor quickly brakes to a stop and the samples can be retrieved.



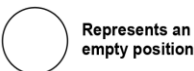
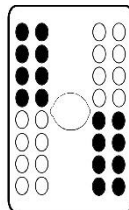
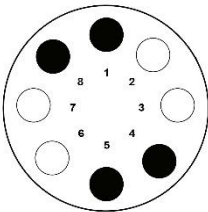
**NEVER Attempt:** to remove samples until the rotor has come to a complete stop.

#### **Loading the Rotor:**

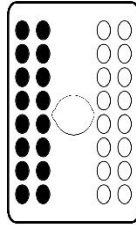
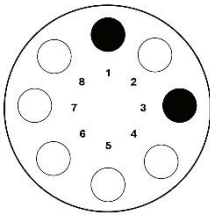
To ensure safe operation and long life of the instrument, samples must always be loaded into the rotor in a balanced fashion.

Tubes and strips must always be loaded symmetrically across from one another and contain the same volume of liquid. See the following examples:

#### **Examples of properly balanced rotors:**



## Examples of improperly balanced rotors:



Represents an empty position



Represents a loaded position

## IV. Care and Maintenance

The centrifuge rotors can be removed for cleaning. Once removed, the rotors can be cleaned with isopropyl alcohol or can be sterilised in an autoclave at 121°C for 20 minutes.

## V. Service and Contact

Appleton Woods distribute these products in the UK; for customer service or technical support, please contact

**[info@appletonwoods.co.uk](mailto:info@appletonwoods.co.uk)** or call on **0121 4587740**.



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