



## Operations Manual

Item: C1008-R

V1.0



### Introduction:

Thank you for purchasing the **Ward's** Mini Centrifuge. Please read this manual thoroughly prior to operating the instrument.

The **Ward's** 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.

### Specifications:

Speed: 6000 rpm / 2000xg  
 Capacity: 8 x 1.5/2.0ml  
           32 x 0.2ml or 4 x PCR strips  
 Dimensions: 4.5 (W) x 5.9 (D) x 4.5 (H) in.  
               11.4 (W) x 15 (D) x 11.4(H) cm  
 Electrical: 120V to 240V, 50-60 Hz  
 Max. Radius: 4.9cm

### Installation:

Place the **Ward's** 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 **MyFuge** 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 new **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)

### 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.



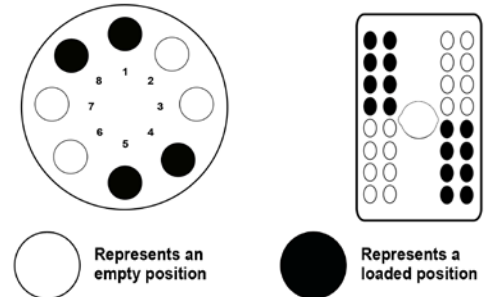
NEVER Attempt: to remove samples until the rotor has come to a complete stop.

### Loading the Rotor:

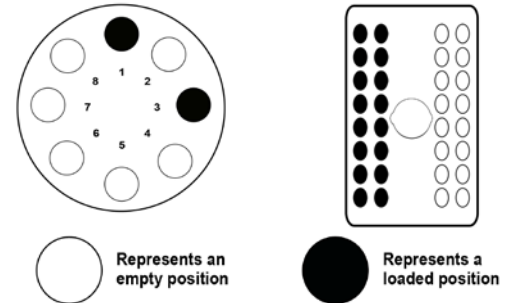
To ensure safe operation and long life of the instrument, samples must always be loaded into the rotor in a balanced fashion.

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

### Examples of properly balanced rotors:



### Examples of improperly balanced rotors:



### Cleaning and Maintenance:

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

### Service and Contact:

In the event that service or technical support is required, please contact Ward's Science at 1-800-962-2600.