

**INSTRUCTION MANUAL**  
**CAT. 87041 Series**  
**EMS MyFuge™ Mini Centrifuge**



## *Introduction*

Thank you for purchasing the EMS MyFuge™ Mini Centrifuge! Please be sure to carefully read through this manual prior to operating the instrument. The MyFuge™ Mini Centrifuge is designed for low-speed applications and quick spin downs of microcentrifuge tubes and for eight position PCR strips.

## *Specifications*

Speed:	6000 rpm / 2000 xg
Capacity:	8 x 1.5 / 2.0 ml 32 x 0.2 ml 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:	3.9 cm

## *Installation*

Place the MyFuge™ 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 and PCR strips. The rotor is conveniently stored in a bottom 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 Klik-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—no tool is required.

### **Operation**

1. Attach the power cord and place the power switch into the ON position.
2. Open the lid and load your samples into the rotor. Always ensure a balanced load.
3. Close the lid—the rotor quickly accelerated to the maximum speed of 6200 rpm.
4. 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 until the rotor has come to a complete stop.

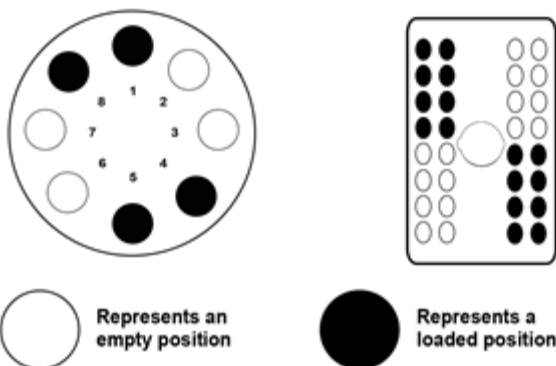
## **Electron Microscopy Sciences**

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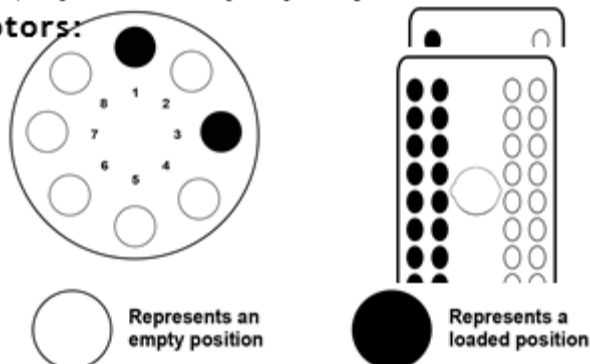
## Loading the rotor

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 Electron Microscopy Sciences at 1-800-523-5874.

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