

Operations Manual

CLS-1606-01

V1.0

Mini-Fuge 8



Introduction:

Thank you for purchasing the Mini-Fuge 8. Please read this manual thoroughly prior to operating the instrument. The Mini-Fuge 8 Centrifuge is designed for low speed applications and quick spin downs of mini centrifuge tubes (0.2ml - 2.0ml) and for eight positions PCR strips.

Specifications:

Speed: 6000 rpm / 2000xg
 Capacity: 8 x 1.5/2.0ml
 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 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 mini-fuge 8 centrifuge includes a second rotor that is designed for holding PCR tubes (0.2ml) and PCR strips (8 positions). 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:

Use the included allen key to loosen the set screw located on the bottom of the rotor by turning counter-clockwise 4-5 complete turns. The rotor can now be removed by lifting it evenly off of the rotor shaft.

- 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 set screw can now be tightened by inserting the allen key and turning clockwise 3-4 complete turns.

Operation:

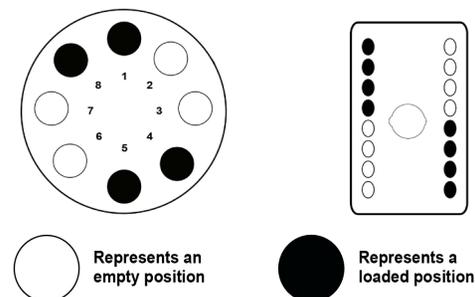
- Attach the power cord and place the power switch into the on "—" position.
 - Open the lid and load your samples into the rotor. Always ensure a balanced load (Please see the following section, **loading the rotor**, for details.)
 - Close the lid, the rotor quickly accelerates to the maximum speed of 6000 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:

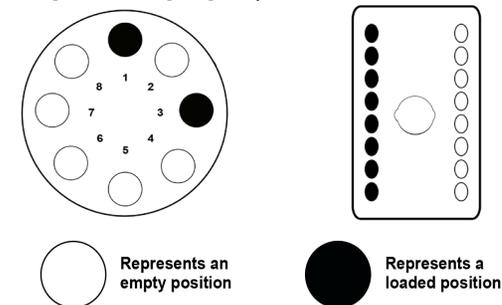
To ensure safe operation and long life of the instrument, samples must always be loaded into the rotor in a balanced fashion.

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 by using the included allen wrench to loosen the set screw. 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 Chemglass at 1-800-843-1794.