

OPERATING INSTRUCTIONS FOR EG FUGE

MINI CENTRIFUGE: E610328-B



General Information -----

The EG Fuge Mini Centrifuge is supplied with two rotors , one for microtubes and one for 0.2ml PCR strip tubes. The 6x1.5ml rotor is designed to centrifuge up to six individual 1.5ml plastic microcentrifuge tubes. It will also accept 0.5ml and 0.2ml tubes with the adapters supplied with the unit. Adapters are available separately for 0.2ml tubes and 0.5ml tubes. The strip tube rotor is designed to centrifuge two 8x0.2ml strip tubes. It will also accept up to 16 individual 0.2ml tubes. Both rotors are designed for applications requiring relatively low g-forces, such as microfiltration, cell separation and quick spin downs from the walls of tubes. Please read this manual thoroughly before attempting to operate the centrifuge.

Features -----

Dimensions	189 x 161 x121 (mm)	Speed	6,000rpm
RCF	2,000g	Weight	1kg
Fuse	0.5A , 250V	Noisy.....	</- 48dB
Power	Please properly use the voltage to meet local charge		

How to change rotors -----

The centrifuge is supplied with two interchangeable rotors. The rotors may be easily exchanged using the allen wrench provided. Locate the setscrew on the rotor shaft below the rotor head. Using the wrench, loosen the setscrew and pull up vertically on the rotor to remove. Place the other rotor in position on the motor shaft. Take care not to press the rotor down so far as to compress the rubber collar at the base of the shaft. Tighten the screw using the allen wrench until finger tight. Do not overtighten as this will cause damage to the rotor and the motor shaft.

Operation -----

Before operating the centrifuge, be sure that the power switch is in the " on " position. To begin a run, simply close the lid of the centrifuge. No other controls are required. To stop rotation, press down on the lid release tab on the front of the unit. This will release the lid lock and the rotor will slow down gradually to a complete stop in a few seconds, Caution : Do not attempt to open the lid or remove samples until the unit has come to a complete stop. After the rotor has stopped, the lid may be opened by grabbing it with the thumb on the front and fingers on the back then lifting the lid back on the hinge. Safe operation for the centrifuge requires that the rotor be loaded in a **balance**. Failure to load the rotor may cause a hazardous to the centrifuge . Individual tubes, strip tubes and / or adapters must always be loaded symmetrically to ensure proper balance. **Never run the centrifuge with only one strip or tube I the rotor.**

Safety Precautions -----

- NEVER : use the centrifuge in any manner not specified in these instructions.
- NEVER : operate the centrifuge without a rotor properly attached to the shaft.
- NEVER : fill tubes while they are in the rotor. Liquid spillage may harm unit.
- NEVER : put hands in the rotor area unless the rotor is completely stopped.
- NEVER : move the centrifuge while the rotor is running.
- NEVER : use solvents or flammables near this or other electrical equipment.
- NEVER : centrifuge flammable, explosive or corrosive materials.
- NEVER : centrifuge hazardous materials outside of a hood or proper containment facility.
- ALWAYS: load the rotor symmetrically. Each tube should be counterbalanced by another tube. Weight of individual tubes may not exceed of 3.0g
- ALWAYS: locate the centrifuge within easy access to an electrical outlet.
- ALWAYS: use only microcentrifuge tubes made from plastic and designed to withstand centrifugal forces of at least 2,000g.