Operations Manual

Mini Centrifuge
Mini-6K / Mini-7K / Mini-10K



Introduction:
Thank you for purchasing Mini Centrifuge. Please read this manual thoroughly prior to operating the instrument.

Specifications:

	Mini-6K	Mini-7K	Mini-10K
Dimension	175× 148×118(mm)		
Power	100-240V~ 0.5A		
Fuse	250V 3A		
Speed	6,000rpm	7,000rpm	10,000rpm
RCF	2,000g	2,300g	5,000g

This Mini centrifuge is designed for 0.2ml~2.0ml tubes with the adapters supplied with the unit. Adapters are available separately for 0.2ml tubes and 0.5ml tubes. The rotor is designed for low speed applications.

Mini-6K is supplied with 3 rotors:

- 6 x 1.5/2.0ml angle rotor
- 2 x 8 x 0.2ml strip rotor
- Rotor for slide

Mini-7K is supplied with 2 rotors:

- 6 x 1.5/2.0ml angle rotor
- 2 x 8 x 0.2ml strip rotor

Mini-10K is supplied with 1 rotor:

- 6 x 1.5/2.0ml angle rotor

Rotor Exchange:

- 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 4-5 complete turns.

Operation:

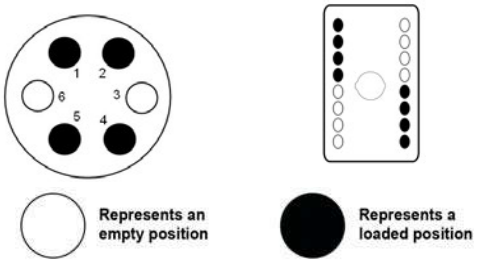
- Attach the power cord and place the power switch into the on "-" position.
- Open the lid and load your samples into the rotor. Always ensure a balanced load (Please see the following section, **Loading the Rotor**, for details.)
- Close the lid, the rotor quickly accelerates to the maximum speed.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

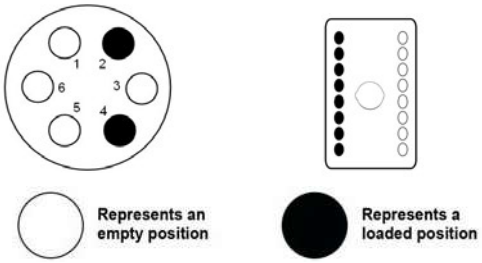
Loading the Rotor:

- 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.

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