



Mini 10K Centrifuge



Warranty

Qor Labs equipment has a one (1) year limited warranty. This warranty is not valid on normal wear and tear, cosmetic damages caused by chemicals, solvents, and/or cleaning solutions, as well as acts of God.

Please register your product online at: www.QorLabs.com/warranty-registration.

Installation and Setup

- 1 Remove your Qor Labs centrifuge from the shipping container and inspect for any possible shipping damage. If the centrifuge appears to be damaged, please contact Qor Labs immediately.
- 2 Read the instruction manual in full before operating. Store the operation instructions in a safe place, easily accessible by the trained staff that will be operating the centrifuge.
- 3 Place the centrifuge on a sturdy, level surface. Use the plastic latch to open the lid. Verify that there are no loose objects or packing material in the tube chamber. **DO NOT LOAD TUBES AT THIS TIME.**
- 4 Verify that the rotor is secure by pressing down firmly. Verify that there are no tubes or inserts in the rotor.
- 5 Close the lid, ensuring that it clicks and locks.
- 6 Verify that the **ON/OFF** switch is in the OFF 'O' position. Plug the power adapter into the rear of the unit, and plug the cord into an outlet.
- 7 Press the **ON/OFF** switch to the ON 'I' position to turn the unit on.

Test the unit: When the unit is closed, it should come up to speed with no vibration and a smooth and quiet sound. If there are unusual vibrations or sounds, stop the unit and contact Qor Labs.

Changing the Rotor

- 1 Use the plastic latch to disengage the lid.
- 2 Lift the lid. If the desired rotor is already installed, ensure that it is secured to the rotor shaft by pressing down firmly.
- 3 To change rotors, lift up on the rotor and set it aside in a safe place.
- 4 Select a rotor and slide it down over the motor shaft. Press down firmly to ensure rotor is secure.



Loading and Operation

- 1 Verify that the *ON/OFF* switch is in the OFF 'O' position.
- 2 **Spin only balanced loads.** Ensure that tubes of similar size and equal weight are placed opposite each other. Use a water-filled tube as a balance tube if necessary. Proper balancing will improve sample separation and extend the life of the centrifuge. Spinning out of balance loads may break tubes or damage the centrifuge.
- 3 Micro tubes and PCR strips are intended to hang by their caps in the centrifuge rotor. Be sure to use good quality tubes that will withstand forces up to 5,000g.



Note: Always ensure micro tube caps are NOT touching to avoid excessive noise and vibration.

- 4 Close the lid and turn the *ON/OFF* switch in the ON 'I' position to run the cycle.



Caution: Always ensure rotor is secure before each use.

- 5 This centrifuge does not include a timer. Use a cell phone or digital timer to keep track of the spin time of your application.

Care, Maintenance, and Troubleshooting

- 1 The Qor Labs 10,000rpm Mini Centrifuge motor is designed to be maintenance-free. With proper care, this centrifuge will provide years of service. However, if repairs should be needed, please contact Qor Labs.
- 2 Use only quality tubes that are rated for the g-forces utilized. Lower-quality tubes may fracture and allow contents to leak out of tube.
- 3 Never force tubes into the rotor.
- 4 Clean with common laboratory disinfectants regularly. Do not allow moisture to seep into the centrifuge and do not immerse the electrical components in any liquid during the cleaning process.

Because of safety issues with high g-forces in a centrifuge, it is recommended that rotors be inspected monthly for wear and fatigue. If there is any indication of wear, the rotor should be removed from service. Contact Qor Labs for return instructions so the rotor can be evaluated by a technician for repair or replacement. After 2 years of service, it is recommended that rotors be returned to Qor Labs for inspection or replacement.

Specifications

Speed Range:	10,000rpm
Maximum RCF:	5,000g
Max. Volume:	6, 0.5-1.5ml micro tubes
Input Voltage:	100-240v AC; 50-60Hz
Output Voltage:	24v DC, 4 amps
dBa:	50 dBA +/- 3 dBA @ 18"-24"

Dimensions

Product Dimensions:

Height:	4.8" (122 mm)
Depth:	6.3" (161 mm)
Width:	7.4" (189 mm)
Weight:	2.55 lbs (1.15 kg)

Boxed Dimensions:

Height:	12.9" (327.6 mm)
Depth:	9.8" (248.92 mm)
Width:	7.4" (187.96 mm)
Weight:	3.68 lbs (1.66 kg)