



Mini Centrifuge, 12K Variable

Cat. No. BT601

INTRODUCTION

The 12K variable speed mini centrifuge is equipped with two rotors and tube adaptors, making it suitable for centrifugal tubes of 1.5ml, 0.5ml, 0.2ml, and 8-strip 0.2ml PCR tubes. The centrifuge has a safety feature that stops the centrifuge when the lid is opened.

FEATURES

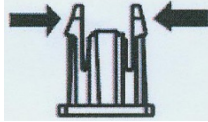
1. The "3-in-1" 18-place rotor is suitable for three different centrifugal tubes: 1.5ml, 0.5ml, 0.2ml.
2. It adopts high-frequency, broad voltage technical technology. The input voltage range is 85-265V AC.
3. It has an LED screen to set time and speed.
4. It adopts brushless motor with very low noise.

TECHNICAL PARAMETERS:

- Speed: 1000-12000 rpm
- Relative centrifugal force: 7900g
- Time setting range : 1-99 minutes
- Sample capacity : 6 x 1.5ml/0.5ml/0.2ml tubes and 2 x 8 x 0.2ml PCR tube
- Input voltage: 85-265V AC, 50/60Hz
- Noise level :≤45db
- Weight: 1.5kg
- Size: 196 x 176 x 122 (mm)

OPERATION

Rotor Replacement

1. Push the two sides of the rotor clip towards the middle. 
2. Carefully lift the rotor from the centrifuge.
3. Place the new rotor over the rotor clip and push down until a click is heard and the rotor is firmly secured.

Speed & Time Setting

1. Switch the power button to "I". The LED screen will display the previous parameters.
2. Press the "SET" button once and the cursor will twinkle in the speed display.
3. Adjust the speed by pressing the up or down arrows.
4. Press the "SET" time by pressing the up or down arrows.
5. The set value will be confirmed after 3 seconds.

Operation

1. Make sure the lid is entirely closed. Press the START/STOP button to start centrifugation. When the set time reaches 0, the buzzer alarm rings.

NOTE: *During centrifugation, the speed can be changed at any time.*

2. To stop the centrifugation, press the START/STOP button or press the white lid lock button.

WARNING

1. Do not open the lid until the centrifugation completely stops.
2. The centrifugal tube should be placed in balance and in equivalent volume/weight. Each tube can't exceed 3g.
3. Should loud noise or abnormal vibration occur after centrifugation, please stop the centrifugation immediately and check the machine.
4. When using the rotor of 6X1.5ml, it is absolutely forbidden to use 1.5ml, 0.5ml, and 0.2ml tubes altogether.

SAFETY TIPS

1. Do not operate the centrifuge without rotors inside.
2. To avoid corrosion, do not add samples to the tubes when the tubes are already placed in the rotor.
3. Do not move the centrifuge at all while centrifuging.
4. Do place the centrifuge on a flat and solid bench or surface.

CLEANING

Use dry cloth and non-corrosive detergent to clean the surface of the instrument. Please ensure that all the components are thoroughly dry before operation. Do not immerse the instrument into any liquid or let instrument be wet by any liquid.

TROUBLESHOOTING

Issue	Reason	Solution
The rotor does not work	The power cord is not firmly attached to centrifuge	Check the power cord
	No power from the wall socket.	Find alternative power source.
	Centrifuge power switch is off	Switch on the power button.
	The tube cap is not closed firmly	Keep the tube cap closed
	Fuse is burned out.	Change the fuse or contact the supplier.
Loud noise or dramatic vibration or abnormal sound after power on.	The instrument is not placed on a flat and solid bench.	Place the instrument on a flat and solid bench.
	The rotor is not installed horizontally or correctly.	Re-install the rotor.
	The tubes are not balanced	Place the tubes in a balance.
	Rotor is aged or partly broken	Change new rotor.
	Use multiple sizes of tubes.	Use tubes with same size.
	Rotor cover is out of shape or broken.	Change rotor cover.

TECHNICAL SUPPORT

BT Lab Systems offers technical support for all of its products. If you have any questions about the product's use or, operation, please contact BT Lab Systems at the following info.

E-Mail: info@BTLabSystems.com