10K Variable Speed
Mini Centrifuge

Cat. No. BT604
INTRODUCTION
Rotor provided:

1. 8 x 1.5ml rotator, suitable for 1.5ml/2.0ml x 8 tubes.
   a. 8 x 0.2ml and 8 x 0.5ml tube adapters are also supplied for this rotor

SPECIFICATIONS
Dimension: 176 x 156 x 121 mm
Power: ≤45W
Power Input: AC220/110V, 50/60Hz
Fuse: 250V 1A Ф5 x 20
Max G Force (RCF): 5300 g
Speed: 3000-10000rpm

OVERVIEW

KEYBOARD AND DISPLAY PANEL
OPERATION

Timer Setting
1. Turn on the main power switch. The device will enter into initial interface. LCD displays “88 888” with beep alarm.
2. After 2 seconds, LCD displays the setting time in last operation.
3. Press ▲ or ▼ to increase or decrease the timing value. Change the value in different units, tens or hundreds. Keep pressing to make the value increase or decrease.
4. Keep pressing ▲ and ▼ simultaneously around 6 seconds to change time unit. The indicator light of “Minute” on means the time unit is minutes, the indicator light of “Minute” off means the time unit is seconds.
5. LCD displays 0000 means time function is shut off.

Operation
1. Open the lid and place samples in a balanced configuration.
2. Turn the switch to “I”, set the time and speed according to the above operation guide.
3. Close the cover, ensuring to latch and the device begins operating. When the operation completes, press the open button after the rotor is fully stopped. If needing to stop the operation, turn the switch to “O”.

IMPORTANT INFORMATION & WARNINGS
1. Do not open the cover before the rotor is fully stopped.
2. The samples must be properly balanced and orientated in a balanced configuration. Each sample tube should not exceed 3g.
3. If instrument emits a loud noise or is heavily vibrating, stop operating at once.
4. Do not use different capacity tubes when using the rotor for 8X1.5ml tubes.
5. Do not operate without a rotor
6. Do not put sample into the tube which is fixed in the rotor.
7. Do not move the device will centrifuging
8. Ensure centrifuge is placed on a flat, level and sturdy bench.

MAINTENANCE
Use soft cloth with non-corrosive cleansing fluid (pH=7±1) to clean surface of the instrument. Operate the instrument only when dry. Do not dip the instrument into fluid or water.
## TROUBLESHOOTING

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<tr>
<th>Issue</th>
<th>Possible Causes</th>
<th>Solution</th>
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<td>Not working when power is on</td>
<td>Power line problem</td>
<td>Check the power line</td>
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<tr>
<td></td>
<td>No power</td>
<td>Check power situation</td>
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<tr>
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<td>Broken switch</td>
<td>Contact BT Lab Systems to exchange the switch</td>
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<tr>
<td></td>
<td>Cover is not closed well</td>
<td>Close the cover well</td>
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<td></td>
<td>Fuse blowout</td>
<td>Contact BT Lab Systems to exchange it.</td>
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<tr>
<td>Noisy and vibrate heavily during operation</td>
<td>Workbench is not stable</td>
<td>Put instrument on a stable and firm workbench</td>
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<td></td>
<td>Tubes are not balanced</td>
<td>Place the tubes in balanced holes</td>
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<td>Sample level is different resulting in imbalance</td>
<td>Put same sample volume in each tube</td>
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<tr>
<td></td>
<td>Tube lid is not covered well, sample poured out when instrument operating</td>
<td>Put same sample volume in each tube and cover the lid well.</td>
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<td>Bad quality tubes, weeping leads to imbalance.</td>
<td>Contact BT Lab Systems to exchange the cover if damaged.</td>
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<td>Rotor aged or partial defective</td>
<td>Contact BT Lab Systems to exchange the rotor</td>
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<td>Different types of tubes in the same operation</td>
<td>Use the same type of tube to centrifuge at the same time</td>
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<td>Rotor cover deformed or cracked</td>
<td>Maintain cover daily. Contact BT Lab Systems to exchange the cover</td>
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## 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