



## BENCHTOP LOW SPEED CENTRIFUGE

BCBL-301

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# 1. General Information

BCBL-301 The Benchtop Low Speed Centrifuge is supplied with one rotor, 6x1.5ml rotor for micro tubes. The 6 x 1.5ml rotor is designed to centrifuge up to six individual 1.5ml plastic micro centrifuge 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 rotor is designed for applications requiring relatively low g-forces, such as micro filtration, cell separation and quick spin downs from the walls of tubes. Please read this manual thoroughly before attempting to operate the centrifuge.

## 2. Features

Dimensions : 189× 161×122(mm) Speed : 10,000rpm

Power : 110V, 60Hz RCF : 5000g

Fuse : 0.5A,250V

## 3. How to assemble /disassemble the Rotor

The centrifuge is supplied with one rotor. The rotor may be easily exchanged using the alien 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 new 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 alien wrench until finger tight. Do not over tighten, as this will cause damage to the rotor and the motor shaft.

## 4. 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 of the centrifuge requires that the rotor be loaded in a balance. Failure to load the rotor may cause a hazardous to the centrifuge. Individual tube, and/or adapter must always be loaded symmetrically to ensure proper balance. Never run the centrifuge with only one adapter or tube in the rotor.

## 5. 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 counter balanced 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 micro centrifuge tubes made from plastic and designed to withstand centrifugal forces of at least 2,000g.



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