



ZEPHYRUS[®] MiniCentrifuge

Instructions for Use

Ref. No.: Z-MC-502-G green lid

Z-MC-502-B blue lid

Z-MC-502-R red lid

Z-MC-502-P pink lid





Product description

Mini centrifuge is designed for 0.2ml~2.0ml tubes with rotors supplied with the unit. One rotor is designed for single tubes with corresponding adapters. Adapters are available separately for 0.2ml tubes and 0.5ml tubes. The second rotor is intended for 0.2 ml PCR strips. The rotors are designed for low speed applications, including quick spin down and microfiltration.

Technical specification

Dimensions (W x D x H)	175 x 148 x 118 mm
Speed	6,000 rpm
RCF	2,000 g
Maximum noise	≤ 50 Db
Power	100-240 V ~ 0.5 A
Fuse	250 V 3 A

Content of the package

- mini centrifuge
- adapter
- instructions for use
- 6 x 1.5/2.0 ml angle rotor
- adaptors for 0.5 ml tubes
- adaptors for 0.2 ml tubes
- 2 x 8 x 0.2 ml strip rotor
- slide rotor
- allen wrench

Assembling/disassembling the rotor

Removing the rotor from the motor shaft: Use the included allen wrench 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.



Notes: Do not press the rotor too far down the rotor shaft to compress to rubber collar at the base of the shaft. Over tightening the screw will damage the rotor and the rotor shaft.

Operation

Attach the power cord and place the power switch into the "on" position. Open the lid and load your tubes into the rotor. Always ensure a balanced load. Close the lid, the rotor quickly accelerates to the maximum speed. You do not need to press any buttons. When the desired run time has passed, push on the lid button to open the lid. The rotor starts to slow down to a complete stop.

Notes: Always balance the rotor. Tubes and adapters must always be loaded symmetrically. Unbalanced rotor may damage the centrifuge and be hazardous for the user. After stopping the rotor do not attempt to open the lid until the rotor completely stops. Remove samples only from a nonmoving rotor.

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.

Safety precautions

Never use the centrifuge in any manner not specified in these instructions.

Never put hands in the rotor area unless the rotor has completely stopped.

If any abnormal condition occurs during operation, please stop the unit immediately and contact our service centre.

Never move the centrifuge while the rotor is running.

Always locate the centrifuge within easy access to an electrical outlet.

Warranty

The mini centrifuge is warranted against defects in materials, workmanship and normal use for 1 year. If any defects occur in the instrument or accessories during this warranty period, Elisabeth Pharmacon will repair/ replace the defective parts/replace the instrument at its discretion without charge.

Warranty is excluded in the case of following:

- unauthorized repair



- use of spare parts by anyone other than Elisabeth Pharmacon Ltd.
- used in the manner not described in this manual
- damage caused by accident, neglect, misuse, improper service, natural forces or other causes not arising from defects in original material or workmanship

Spare parts

Name	Ref. No.
Allen wrench	Z-MC-512
1.5/2.0 ml rotor	Z-MC-513
Strip Tube rotor	Z-MC-514
Slide rotor	Z-MC-515
Adapter for 0.5 ml tube	Z-MC-516
Adapter for 0.2 ml tube	Z-MC-517

Manufacturer:

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