

Manuel utilisateur

EH1000

LABO-MODERNE

Specifications:

Dimensions: 153 x 153 mm (6" x 6")
Electrical: 115V, 60Hz, 130mA
240V, 50/60Hz, 65mA
Fuse: 0,5A, 250V (F)
Speed: 6000 rpm
RCF: 2000 x g

Spare Parts:

Replacement 1,5 ml rotor
Replacement strip rotor
Replacement allen key
Replacement fuses



OPERATING INSTRUCTIONS FOR

Centrifuge Z 100 M

General Information:

The HERMLE Centrifuge **Z 100 M** is supplied with two rotors, one for micro tubes and one for 0.2 ml PCR strip tubes. The 6 x 1.5 ml rotor is designed to centrifuge up to six individual 1.5 ml plastic micro centrifuge tubes. It will also accept 0.5 ml and 0.4 ml tubes with the adapters supplied with the unit. Adapters are available separately for 0.2 ml tubes. The strip tube rotor is designed to centrifuge two 8 x 0.2 ml strip tubes. It will also accept up to 16 individual 0.2 ml tubes. Both rotors are 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.

Warranty:

The centrifuge is covered by a one year warranty (from the date of purchase). This warranty covers the centrifuge and rotor. This warranty becomes invalid in the case of incorrect operation, use of non-standard spare parts or accessories and unauthorised modification of the rotor or centrifuge. The rotor warranty does not cover normal wear and tear or damage and/or weakening caused by radioactive contamination, cleaning agents, or over tightening of the allen screw. Fuses are not covered by the warranty.

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 tab on the front of the unit. This will release the lid lock and the rotor will slow gradually to a complete stop. 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 balanced. Failure to balance the rotor presents a hazardous condition and will damage the centrifuge. Individual tubes, strip tubes and/or adapters must always be loaded symmetrically to ensure the rotor is properly balanced. Never run the centrifuge with only one strip tube in place.

Exchanging Rotors:

The centrifuge is supplied with two interchangeable rotors. The rotors are easily exchanged using the allen wrench provided. Locate the set screw on the rotor shaft below the rotor head. Using the wrench, loosen the set screw and pull up on the rotor to remove. Place the other rotor into 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 allen wrench until finger tight. Do not over tighten as this will cause damage to the rotor and the motor shaft.

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 spinning.
- NEVER** use solvents or flammable 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 counterbalanced by another tube. Weight of individual tubes may not exceed of 3.0 g.
- ALWAYS** locate the centrifuge with easy access to an electrical outlet.
- ALWAYS** use only micro centrifuge tubes made from plastic and designed to withstand centrifugal forces of at least 2.000 x g.

Cleaning:

Before using any cleaning or decontamination methods except those recommended by the manufacturer, check with the manufacturer that the proposed method will not damage the equipment. To clean the centrifuge, use a damp cloth and a mild, non corrosive detergent (pH < 8). After cleaning, ensure all parts are dried thoroughly before attempting to operate the unit. Do not immerse the centrifuge in liquid or pour liquids over it.

Questions and Service:

Should you have a question about the centrifuge or require service for the unit, please use the contact numbers listed behind. Do not send in a unit for service without first calling to obtain an authorisation number. Should the centrifuge require service, be sure to decontaminate it before sending. The unit should be properly packed to avoid damage. Any damage resulting from improper packaging shall be the responsibility of the user.

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