

Mini Centrifuge

Instruction manual

Catalog No.

AB-MC8



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Packing List

- 1x AB-MC8 Mini Centrifuge
- 1x Rotor 8*1.5ml
- 1x Rotor 4 (row) *8 (well) 0.2ml
- 8x 0.5ml tube adaptor
- 8x 0.2ml tube adaptor
- 1x US Plug
- 1x Manual

Signed by:

Date:

Major Science is liable for all missing or damaged parts / accessories within 7 days after customer received this instrument package. Please contact Major Science immediately regarding this issue. If no response within such time period from consignee party, that will be consignee party's whole responsibility.

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Warning

Safety Precautions

- **DO NOT** use the centrifuge in any manner not specified in these instructions.
- **DO NOT** operate the centrifuge without a rotor properly attached to the shaft.
- **DO NOT** fill tubes while they are in the rotor. Liquid spillage may harm unit.
- **DO NOT** put hands in the rotor area unless the rotor is completely stopped.
- **DO NOT** move the centrifuge the rotor is spinning.
- **DO NOT** use solvents or flammables near this or other electrical equipment.
- **DO NOT** centrifuge flammable, explosive or corrosive materials.
- **DO NOT** 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 3.0g.
- **ALWAYS** locate the centrifuge within easy access to an electrical outlet.
- **ALWAYS** use only microcentrifuge tubes made from plastic and designed to withstand centrifugal forces of at least 2350g.

Section 1 Introduction

General Information

The AB-MC8 Mini Centrifuge is supplied with two rotors, one for micro-tubes and one for 0.2ml PCR strip tubes. The 8*1.5ml rotor is designed to centrifuge up to eight individual 1.5ml plastic micro-centrifuge tubes. It will also accept 0.5ml and 0.4ml tubes with the adapters supplied with unit. Adapters are available separately for 0.2ml tubes. The strip tube rotor is designed to centrifuge four 8*0.2ml strip tubes. It will also accept up to 32 individual 0.2ml tubes. Both rotors are designed for applications requiring relatively low g-forces, such as micro-filtration, cell separation and quick spin down from the walls of tubes. Please read this document thoroughly before attempting to operate the centrifuge.



▲ Front view



▲ Components

Product Description & Feature

1. Appearance: Sleek design, small size with beautiful look.
2. Material and Technology: Using high quality materials, modern manufacture technology, one-step moulding with strict quality assurance system.
3. Safety Design: Using three-gate switch, when the cover opens, the machine stops operating. Outer cover uses high strength materials to ensure stable quality.
4. Motor: Using airline-dedicated permanent magnet micromotor to ensure the product durability.
5. Voltage: Using advanced broad range power source to ensure it could be used worldwide.
6. Rotor Exchange: Using the specific patent design, easy to change the rotors.
7. Various Rotor: Standard packed with two sets of rotors and adaptors. User could customize other kinds of rotors additionally.
8. Low Noise: Noise is under 50 dB for reducing sound interference.

Section 2 Product Specifications

Dimension	150*140*105 mm
Power Input	110V/220V, 60Hz
Speed	7200rpm
RCF	2350g

Section 3 Installation Instructions

Exchanging Rotors

The centrifuge is supplied with two interchangeable rotors. The rotors are easily exchanged using the all en 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 all en wrench until finger tight. Do not over tighten as this will cause damage to the rotor and the motor shaft.

Section 4 Operation Instructions

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 gradually to a complete stop. 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 the hinge. Safe operation of the centrifuge requires that the rotor be loaded in a balanced fashion. Failure to load the rotor properly presents a hazardous condition and may damage the centrifuge. Individual tubes, strip tubes and /or adapters must always be loaded symmetrically to ensure proper balance. Never run the centrifuge with only one strip tube.

Section 5 Trouble shooting and Maintenance

Questions and Service

Should you have a question about the centrifuge or require service for the unit, please contact.

If you are in North America: GTS Technical Service

If you are in other countries, please contact your local GTS distributor.

Do not sent in a unit for service without first calling to obtain a repair authorization number and a decontamination form. The unit should be properly packed to avoid damage. Any damage resulting from improper packaging shall be the responsibility of the user.

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 liquids over it.

Section 6 Ordering Information

Cat. No.	Description
AB-MC8-EU	AradyBio Mini Centrifuge, 8 x 0.5ml-2ml rotor capacity, EU spec.
AB-MC8-UK	AradyBio Mini Centrifuge, 8 x 0.5ml-2ml rotor capacity, UK spec.
AB-MC8-US	AradyBio Mini Centrifuge, 8 x 0.5ml-2ml rotor capacity, US spec.

Section 7 Warranty

The centrifuge and rotor are covered by a one-year warranty. This warranty covers the centrifuge and rotor. This warranty is void in the event of incorrect operation, use of nonstandard spare parts or accessories and unauthorized modification of the rotor or centrifuge. The rotor warranty does not cover normal wear and tear or damage and /or wakening caused by radioactive contamination, cleaning agents, or over tightening of the all en screw. Fuses are not covered by the warranty.

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