

Prism Mini Centrifuge

User Manual



C1801
C1801-230V-EU
C1801-230V-UK

Your Distributor is:
Braintree Scientific, Inc.
PO Box 850498, Braintree, MA 02185
781-917-9526
Email: Info@braintreesci.com
Web: www.braintreesci.com

General Information:

The Labnet Prism Mini Centrifuge is supplied with two rotors, one for microtubes and one for 0.2ml PCR strip tubes. The 8 place rotor is designed to centrifuge up to eight individual 1.5/2.0ml plastic microcentrifuge tubes. It will also accept 0.5ml and 0.4ml tubes with the adapters supplied with the unit. Adapters are available separately for 0.2ml tubes. The strip tube rotor is designed to centrifuge four 8 x 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 microfiltration, cell separation and quick spin downs from the walls of tubes. Please read this manual thoroughly before attempting to operate the centrifuge.

Intended use of the equipment

- For Quick Spin-down from Walls or Caps of Centrifuge Tubes
- Complete Set with Circular Fixed-Angle Rotor and Strip Rotor

Installation

1. Bench top area required for the clearance envelope for the intended use
2. Methods for leveling of the centrifuge
3. Instructions for site preparation

Operation:

Before operating the centrifuge, be sure that the power switch on the back of the unit 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 and release the tab on the front of the lid. This will release the lid lock, allowing the lid to self-open and the rotor to come to a gradual stop. **Caution:** Do not attempt to open the lid or remove samples until the unit has come to a complete stop. Once the lid has fully opened and the rotor has stopped, samples may be removed from the rotor.

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 in place.

Equipment maintenance

1. Instructions specify inspection of any means of fixing the equipment to the mounting surface and the condition of the mounting surface itself
2. Instructions specify safeguards for the operator during cleaning
3. Inspection of the protective casing
4. Frequency of inspection and the method of replacement of BIOSEALS and other bio-containment components
5. The instructions for use state the precautions when the materials to be used with a laboratory centrifuge are known to be toxic, radioactive, or contaminated with pathogenic micro-organisms

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Rotors:

The centrifuge is supplied with two interchangeable quick release rotors. No tools are required to exchange the rotors or attach them to the motor shaft. The rotors can be easily exchanged with one hand by way of the quick release system. Removal of the rotors is done by placing your thumb on top of the motor shaft and lifting up with two fingers under the rotor. Place the other rotor into position on the motor shaft and snap in.

(8 place tube rotor and 4 place strip rotor)



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 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 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 2,000 xg.

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, noncorrosive 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.

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Questions and Service:

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

Specifications:

Dimensions... 5.2" x 5.2" x 4.4" (inches) / 13.2 x 13.2 x 11.2 cm

Weight.....1.2 lbs / 0.55 Kg

Electrical AC 230V, 50/60Hz, 65mA

AC 115V 50/60Hz, 130mA

Fuse 0.5A, 250V (F)

Speed 6000rpm

RCF 2000 x g

Environmental conditions

- Indoor use only
- Altitude up to 2000m
- Temperature 5°C to 40°C
- Maximum relative humidity 80% for temperature up to 30°C decreasing linearly to 50% relative humidity at 40°C
- Pollution degree 2

Spare Parts:

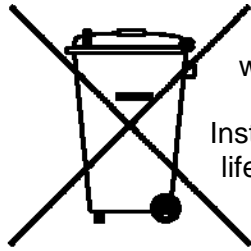
10588W005	Lid, Handle
10588W015	Rotor, Spin Strip
10588W016	Rotor, 8 Places
COM 014-1	Motor 115V
COM 015	Motor 230V

Symbols and Conventions:

The following chart is an illustrated glossary of the symbols that may be used in this manual or on the product.

	The electrical warning indicates the presence of a potential hazard which could result in electrical shock.
	CAUTION This symbol refers you to important operating and maintenance (servicing) instructions within the product Instruction Manual. Failure to heed this information may present a risk of damage or injury to persons or equipment.
	This symbol identifies a Protective Earth (PE) terminal, which is provided for connection of the supply system's protective earth (green or green/yellow) conductor.

EQUIPMENT DISPOSAL



This equipment is marked with the crossed out wheeled bin symbol to indicate that this equipment must not be disposed of with unsorted waste.

Instead it's your responsibility to correctly dispose of your equipment at lifecycle-end by handing it over to an authorized facility for separate collection and recycling. It's also your responsibility to decontaminate the equipment in case of biological, chemical and/or radiological contamination, so as to protect from health hazards the persons involved in the disposal and recycling of the equipment.

For more information about where you can drop off your waste equipment, please contact your local dealer from whom you originally purchased this equipment.

By doing so, you will help to conserve natural and environmental resources and you will ensure that your equipment is recycled in a manner that protects human health.

Thank you

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