

Prism Mini Centrifuge

User Manual



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



Labnet
Labnet International

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

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
If the centrifuge stops working prematurely **NEVER** try to continue operating the centrifuge. Stop the centrifuge immediately by turning off the main power switch on the back side of the centrifuge. Wait one minute before turning on the main power switch to operate the centrifuge again.

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.

Questions and Service:

Should you have a question about the operation of *the Prism Mini Centrifuge* or if service is required, contact Corning at : 800-492-1110. Do not send in a unit for service without first calling to obtain a repair authorization number. Should the unit require return to Corning for service, it 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-EUROPEAN REGULATIONS



According to Directive 2012/19/EU of the European Parliament and of the Council of 4 July 2012 on waste electrical and electronic equipment (WEEE), Labnet Prism Mini centrifuge is marked with the crossed-out wheeled bin and must not be disposed of with domestic waste.

Consequently, the buyer shall follow the instructions for reuse and recycling of waste electronic and electrical equipment (WEEE) provided with the products and available at the following link: www.corning.com/weee

NOTES

Warranty Statement

Corning Incorporated (Corning) warrants that this product will be free from defects in material and workmanship for a period of one (1) year from date of purchase. CORNING DISCLAIMS ALL OTHER WARRANTIES WHETHER EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE.

Corning's sole obligation shall be to repair or replace, at its option, any product or part thereof that proves defective in material or workmanship within the warranty period, provided the purchaser notifies Corning of any such defect. Corning is not liable for any incidental or consequential damages, commercial loss or any other damages from the use of this product.

This warranty is valid only if the product is used for its intended purpose and within the guidelines specified in the supplied instruction manual. This warranty does not cover damage caused by accident, neglect, misuse, improper service, natural forces or other causes not arising from defects in original material or workmanship. This warranty does not cover motor brushes, fuses, light bulbs, batteries or damage to paint or finish. Claims for transit damage should be filed with the transportation carrier.

In the event this product fails within the specified period of time because of a defect in material or workmanship, contact Corning's Customer Service at the following numbers: USA: 1-800-492-1110; Canada: 1-978-442-2200. For other regions of the world, please visit www.corning.com/lifesciences or see the included instruction manual for a list of World Wide Support Offices.

Corning's Customer Service team will help arrange local service where available or coordinate a return authorization number and shipping instructions. Products received without proper authorization will be returned. All items returned for service should be sent postage prepaid in the original packaging or other suitable carton, padded to avoid damage. Corning will not be responsible for damage incurred by improper packaging. Corning may elect for onsite service for larger equipment.

Some states do not allow limitation on the length of implied warranties or the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights. You may have other rights which vary from state to state.

No individual may accept for, or on behalf of Corning, any other obligation of liability, or extend the period of this warranty.

For your reference, make a note of the serial number, date of purchase and supplier here.

Serial No. _____ Date Purchased _____

Supplier _____

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www.labnetinternational.com***



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