

Labnet MPS 1000 Mini Plate Spinner

Instruction Manual

Catalog Numbers:

C1000

C1000-100V

C1000-230V



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1.0 Introduction

The Labnet MPS-1000 Mini Plate Spinner is designed for quick spins of samples in PCR plates. Primarily designed for use with 96- or 384-well plates and small volumes, it will accommodate skirted, non-skirted and semi-skirted styles. With the use of the adapter you may spin half plate, 8 or 12 x 0.2 µL strips, and individual PCR tubes.

No decontamination is required for the equipment.

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.

2.0 Symbols and Conventions



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.

3.0 Safety Information

- ▶ Never use the centrifuge in any manner not specified in these instructions.
- ▶ 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.
- ▶ Never continue to operate a centrifuge that is vibrating excessively.
- ▶ Always load the rotor symmetrically. Each plate should be counterbalanced by another plate of the same brand, type and volume.
- ▶ Always use plates that have been sealed in some manner to avoid spillage.
- ▶ Always load plates so that the sealed side faces the center of the rotor and the bottom of the plate faces out.
- ▶ Always be sure the plates are pushed all the way to the bottom of the rotor slot before operating the centrifuge.
- ▶ Always locate the centrifuge within easy access to an electrical outlet.



WARNING: This unit is intended for short run usage only, requiring 15-20 seconds to spin down samples. Inadvertent continuous use could cause sample temperature to rise and the thermal switch to open, which will shut down the motor.

4.0 Specifications

Capacity	2 PCR plates
Dimensions	7.5 x 8.2 x 7.2 in. (19 x 21 x 18.3 cm)
Electrical	100, 120 or 230V, 50/60 Hz
Max Speed	2,500 rpm ±10%
Max RCF	500 x g
Electrical	100V, 50/60Hz, 0.6A (Fuse 1.0 AT) 120V, 50/60Hz, 0.6A (Fuse 1.0 AT) 230V, 50/60Hz, 0.3A (Fuse 0.5 AT)

5.0 Installation

The Labnet MPS-1000 Mini Plate Spinner should be placed on a clean, flat surface with sufficient space around it for ventilation. Be sure that both the bench and the unit's rubber feet are clean. Plug the power cord into the back of the unit and turn the power switch knob (on the back of the unit) to the On position.

6.0 Operation



To avoid spillage of samples, only plates that have been heat or tape sealed should be placed in the centrifuge. Plates are loaded into the rotor in a vertical position.

1. Lift the clear centrifuge cover to gain access to the rotor (press the Open button to release the lid if it is locked down).
2. Using the knob on the top of the unit, turn the rotor until the rotor slot lines up with the opening. Carefully, slide the first plate into position so that the sealed side faces the center of the rotor and the bottom of the plate faces out. Be sure that the plate is pushed all the way down into the slot.
3. Line up the second slot like the first, using the knob on the top of the unit.
4. Load the second plate in the same manner as the first, making sure that it is all the way down in the rotor slot. If spinning only one plate, it is extremely important to load a dummy plate of the same brand, style and sample volumes (water can be used) as a balance.
5. To begin a run, close the lid of the centrifuge. The centrifuge will quickly ramp up to speed. Allow the unit to run for 15-20 seconds. This is sufficient time to spin the samples down to the bottoms of the wells.
6. To stop, press the Open button. Once the rotor has stopped, fully open the lid to gain access to your samples. To remove the plates, turn the knob on the top of the unit until the rotor slot lines up with the opening.

NOTE: A slight vibration may be felt when the centrifuge reaches full speed. Excessive vibration indicates that the rotor is not balanced. Do not run the centrifuge unbalanced. Always use a balance plate of the same brand, type, and sample volumes.

7.0 Cleaning

The outside of the centrifuge may be wiped down with a clean, soft cloth. The rotor slots may be cleaned with a sponge. Do not pour liquids in or over the centrifuge. Do not immerse the centrifuge in liquid.

8.0 Limited Warranty

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 Customer Service at: USA/Canada 1.800.492.1110, outside the U.S. +1.978.442.2200, visit www.corning.com/lifesciences, or contact your local support office.

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 and model number, date of purchase, and supplier here.

Serial No. _____ Date Purchased _____

Model No. _____ Supplier _____

9.0 Equipment Disposal



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), this product 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 www.corning.com/weee.

To request certificates, please contact us at www.labnetlink.com.

Warranty/Disclaimer: Unless otherwise specified, all products are for research use or general laboratory use only.* Not intended for use in diagnostic or therapeutic procedures. Not for use in humans. These products are not intended to mitigate the presence of microorganisms on surfaces or in the environment, where such organisms can be deleterious to humans or the environment. Corning Life Sciences makes no claims regarding the performance of these products for clinical or diagnostic applications. *For a listing of US medical devices, regulatory classifications or specific information on claims, visit www.corning.com/resources.

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