

Алматы (727)345-47-04
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саранск (8342)22-96-24
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Улан-Удэ (3012)59-97-51
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(727)345-47-04

Беларусь +(375)257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47

<https://labnet.nt-rt.ru> || aqd@nt-rt.ru

Labnet MPS 1000 Mini Plate Spinner

Instruction Manual

Catalog Numbers:

C1000

C1000-100V

C1000-230V



Table of Contents

1.0 Introduction	1
2.0 Symbols and Conventions.....	1
3.0 Safety Information	1
4.0 Specifications	1
5.0 Installation.....	2
6.0 Operation.....	2
7.0 Cleaning	2
8.0 Limited Warranty.....	3
9.0 Equipment Disposal	3

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.

Алматы (727)345-47-04
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саранск (8342)22-96-24
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Улан-Удэ (3012)59-97-51
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(727)345-47-04

Беларусь +(375)257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47