

MINI LABROLLER ROTATOR

User Manual



H5500
H5500-230V-EU
H5500-230V-UK



Labnet
Labnet International, Inc.

1.0 GENERAL SPECIFICATIONS

Electrical requirements:

115 volt model	115V \pm 10% 50/60Hz, 0.03A
230 Volt model	230V \pm 10% 50/60Hz, 0.015A

Speed:

115 volt model	24 rpm
230 Volt model	20 rpm

Motion

Rotating

Maximum Capacity

H5500-02	36 x 1.5ml or 2.0 ml tubes
H5500-15	10 x 15ml tubes
	12 x 5/7ml tubes
H5500-50	6 x 50 ml tubes

Dimensions WxLxH

21.3 X 10.2 X 12.6 cm

Included accessories

Rotisserie 36 x 1.5ml or 2.0 ml tubes

(H5500-02)

Weight

0.8 kg

Operating conditions condensing

4°C to 65°C, up to 85% RH, non-

2.0 INSTALLATION OF THE ROTATOR

2.1 UNPACKING

Before starting the installation, carefully examine the rotator:

- Open the box and carefully remove the padding. Check to see that the rotator has not been damaged during transportation. Keep the packing material until you are sure the rotator works properly.
- Make sure that all of the accessories are included.
- Carefully lift the unit from the box.
- Be sure that the following information is included on the serial number located on the bottom of the unit: Serial number, Product number, Electrical rating.
- Check that the power cord has the correct configuration that matches the outlet according to your local standards.

If any damage occurred during transportation, contact your carrier immediately.

2.2 STARTING UP THE ROTATOR

Place the rotator on a level and stable surface. Connect the plug into a grounded outlet. Avoid lines where line surges may occur, i.e. refrigerators and similar devices are connected, Use the on/off switch to control the rotator.



**Use caution when plugging into a grounded outlet!
DO NOT touch the plug with wet hands!
DO NOT unplug the unit by pulling the power cord!**

3.0 LOADING THE ROTISSERIE



Figure 1

The rotisserie supplied with the unit is designed to hold standard 1.5ml or 2.0ml microcentrifuge tubes (Fig 1). There are two other rotisseries available separately for different size tubes. Each rotisserie consists of a rotisserie plate with bar keys for placement into the apparatus and a two piece rotisserie rod with bar key on either end.

Install the rotisserie rod by screwing the two elements together through the hole in the center of the rotisserie plate. Insert the tubes into the tube holders. Mount the rotisserie in the apparatus in either the vertical position, using the rotisserie rod, or the horizontal position, using the bar keys on the plate. The side opposite to the driving mechanism is flexible to allow inserting the rotisserie without tools. Insert the bar key on the rotisserie rod or plate into the drive mechanism. The other end of the rotisserie is suspended in the bushing located in the opposite side of the unit. Be sure to distribute tubes evenly across the rotisserie carrier to achieve smooth rotating motion.

2.1 Tumbling

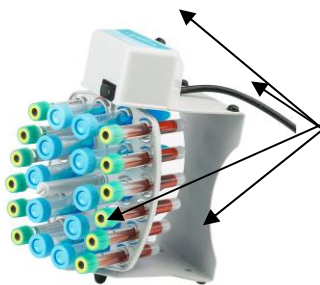


Figure 2

To create tumbling motion, load the tubes and mount the rotisserie so the tubes are held in a vertical position. Then rest the unit on its end making sure that it is supported by the black side legs (Fig.2). The unit can be rested on either end. Setting the unit on the end with the power switch will create more vigorous tumbling motion than when it is rested on the opposite end.

2.2 Mixing Plates



Figure 3

Any of the rotisseries can be used for mixing in microplates. Remove the rotisserie rod if it is installed. Seal the microplates completely to avoid leakage. Make sure the microplate lines up with locking dimples. Fasten the plate (or plates) with rubber bands or small bungee cords (not supplied with the unit). Maximum of two deep well plates can be mixed at a time. For all

other types of motion, two plates should be placed on the rotisserie for proper balance.

4.0 ROUTINE MAINTANCE/ CLEANING

- No routine maintenance or lubrication is required
- Keeping the rotator clean will the help to maintain it in proper operating condition.

4.1 CLEANING

The outside housing can be cleaned with a soft, damp cloth when needed. DO NOT use any aggressive or abrasive cleaners (acetone, nitro, polish etc.). This may permanently damage the rotator finish.

Before cleaning the rotator, always unplug the power cord.

Warnings:

- **DO NOT use the rotator near water sources. Be sure that water does not get on the device, especially during cleaning procedures.**
- **DO NOT expose the rotator to aggressive solvents.**
- **Hazardous samples should be mixed only in appropriate containment vessels.**
- **DO NOT mix flammable or explosive samples!**

NOTE: Misuse or unauthorized modifications will waive the warranty rights. If the equipment is used in a manner not specified by the manufacture, the safety features of the rotator may be impaired

5.0. TROUBLESHOOTING GUIDE / SERVICE

Be sure to disconnect the rotator from the main power source immediately in case of any signs of malfunction and contact Labnet International, Inc. Service Department at (732) 417-0700; Monday through Friday; 8.30a.m. - 5.00p.m. EST.

Problem

Rotator does not START




Explanation / Solution

Check the power connection,
Check if the rotisserie is properly inserted into the drive mechanism
Call Labnet Service Department

6.00 APPENDIX

6.1 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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Declaration of Conformity

Number: CE 00056

Manufacturer: Labnet International, Inc., 31 Mayfield Ave., Edison, NJ 08837 USA

Labnet International declares that the devices described below are in conformity with the EC directives listed. In the event of unauthorized modification of any of the devices listed below, this declaration becomes invalid.

Device Name: Mini LabRoller Rotator

Device Models Numbers: H5500
H5500-230V-EU
H5500-230V-UK

Relevant EC Directives: Low Voltage Directive 2006/95/EC
EMC Directive 2004/108/EC
WEEE 2002/96/EC

Harmonized Standards: IEC 61010-1 Issued:2001/02/01Ed:2
IEC 61326-1 Issued:2005/12/0 Ed:1.0
IEC 61000-3-2:2000
IEC 61000-3-3:2002
IEC 61000-4-2:2001
IEC 61000-4-3:2002
IEC 61000-4-4:2004
IEC 61000-4-5:2001
IEC 61000-4-6:2003
IEC 61000-4-11:2004

Date: March 21, 2012



Amin Brihmat
Global Marketing Manager

Labnet
Labnet International, Inc.

LIMITED WARRANTY

Labnet International, Inc. warrants that this product will be free from defects in material and workmanship for a period of two (2) years from date of purchase. This warranty is valid only if the product is used for its intended purpose and within the guidelines specified in the supplied instruction manual.

Should this product require service, contact Labnet International, Inc.'s Service department at 732-417-0700 to receive 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. Labnet International, Inc. will not be responsible for damage incurred by improper packaging. Labnet International, Inc. may elect for onsite service for larger equipment.

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.

ALL WARRANTIES INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION OF 24 MONTHS FROM THE ORIGINAL DATE OF PURCHASE.

LABNET INTERNATIONAL, INC.'S SOLE OBLIGATION UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT, AT LABNET INTERNATIONAL, INC. DISCRETION, OF A DEFECTIVE PRODUCT. LABNET INTERNATIONAL, INC. IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGE, COMMERCIAL LOSS OR ANY OTHER DAMAGES RESULTING FROM THE USE OF THIS PRODUCT.

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 Labnet International, Inc., any other obligation of liability, or extend the period of this warranty.

Mail Warranty Registration to :

or

Register online at

**Labnet International, Inc.
31 Mayfield Ave.
Edison, NJ 08837**

www.labnetinternational.com

✂ cut along the dotted line

To validate the warranty, complete and return this card within 10 days.

Model _____

Serial No. _____ Date Tested _____

Date Rec'd _____ PO# _____

Name/Title _____

Phone _____

Institution _____

Address _____

City _____ State _____ Zip/Postal Code _____ Country _____

Purchased from (distributor) _____

How would you rate the quality of this product? Excellent Good Fair Poor

What feature(s) on this product made you purchase it? _____

What feature(s) would you change to improve the performance of this product? _____

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