

# Spectrafuge Mini Centrifuge

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## User Manual



**C1301**  
**C1301-230V**



**General Information:**

The Spectrafuge Mini Centrifuge is supplied with two rotors, one for microtubes and one for 0.2ml PCR strip tubes. The 6 x 1.5ml rotor is designed to centrifuge up to six individual 1.5ml 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 two 8 x 0.2ml strip tubes. It will also accept up to 16 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.

If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

**Warranty:**

The centrifuge and rotor are covered by a one year warranty. This warranty covers the centrifuge and rotor. This warranty is void in the event of incorrect operation, use of nonstandard spare parts or accessories and unauthorized modification of the rotor or centrifuge. The rotor warranty does not cover normal wear and tear or damage and/or weakening caused by radioactive contamination, cleaning agents, or over tightening of the allen screw. Fuses are not covered by the warranty.

**Exchanging Rotors:**

The centrifuge is supplied with two interchangeable rotors. The rotors are easily exchanged using the allen wrench provided. Locate the set screw on the rotor shaft below the rotor head. Using the wrench, loosen the set screw and pull up on the rotor to remove. Place the other rotor into position on the motor shaft. Take care not to press the rotor down so far as to compress the rubber collar at the base of the shaft. Tighten the screw using the allen wrench until finger tight. Do not over tighten as this will cause damage to the rotor and the motor shaft.

**Installation:**

Place the centrifuge on a level, clean surface, position the centrifuge near an accessible power outlet so that the cord and outlet are within easy reach of the operator.

**Operation:**

Before operating the centrifuge, be sure that the power switch 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 down on the lid release tab on the front of the unit. This will release the lid lock and the rotor will slow gradually to a complete stop. Caution: Do not attempt to open the lid or remove samples until the unit has come to a complete stop. After the rotor has stopped, the lid may be opened by grabbing it with the thumb on the front and fingers on the back then lifting the lid back on the hinge. 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.

### **Safety Precautions:**

- 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.

### **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 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... ..... 6" x 6" (153 x 153mm)
- Electrical ..... 115V, 50/60Hz,130mA
- Fuse ..... 0.5A, 250V (F)
- Speed ..... 6000rpm
- RCF ..... 2000 x g Ambient Operating Range: 0 to 40°C,< 85%

## Spare Parts:

Replacement 1.5ml rotor: C-1300-RT

Replacement strip rotor: C-1300-RTS




Replacement allen key: C-1300-RW

Replacement fuses: C-1200-F

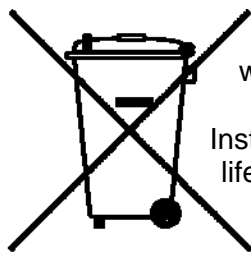
## Appendix

### 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.
	<b>CAUTION</b> 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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Email: [labnetinfo@corning.com](mailto:labnetinfo@corning.com)  
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## NOTES

## Declaration of Conformity

Number: CE 00401

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.

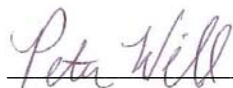
**Device Name:** Spectrafuge Mini Centrifuge

**Device Models Numbers:** C1301  
C1301-230V

**Relevant EC Directives:** Low Voltage Directive 2006/95/EC  
EMC Directive 2004/108/EC  
RoHS 2002/95/EC  
WEEE 2012/19/EU

**Harmonized Standards:** EN 61010 Issued: 2001  
EN 61010-2-020: 2006  
EN 61326-1: 2006

**Date:** May 1, 2012



Peter Will  
Product Line 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 one (1) year 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 12 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](http://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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