

# ENDURO™ MINI MIX

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## User Manual



**S0600**  
**S0600-230V**



**Labnet**

## About This Manual

This manual is designed to assist you in the optimal usage of your Enduro Mini Mix. The manual is available in English, French, German, Italian, Portuguese, and Spanish on our website at [www.labnetinternational.com/document-center](http://www.labnetinternational.com/document-center)

## Overview

The Enduro MiniMix is a three dimensional shaker typically used for maintaining the uniform suspension of liquids over transfer membranes with a minimum volume. The Enduro MiniMix is also ideal for processing Western Blots and staining and destaining PAGE gels.

The Enduro MiniMix achieves its 3-dimensional mixing by combining the rotating motion of an orbital shaker with the rocking motion of a platform rocker.

The modern styling of the Enduro MiniMix's housing is achieved through the use of injection molded FRABS plastic. The small platform is constructed of powder coated aluminum topped with a rubber TPE mat.

## Installation

The Enduro MiniMix can be used on a bench, in a cold room or in an incubator up to 40°C. Place the unit on a flat stable surface and be sure to leave sufficient room around the unit to allow both the platform and load to move freely. A minimum of 4 inches (10cm) clearance on all sides of the mixer is advised.

Plug the unit into a properly grounded outlet of the appropriate voltage as shown on the unit's data plate label.

## Operation

The flat matted pattern is configured to allow 4, 8 x 10 cm (Bio-Rad, NuSep) or 2, 10 x 10 cm (Lonza, Invitrogen) blotting boxes to be securely placed on the mat without additional strapping. If blotting boxes are to be stacked, they should be secured with rubber bands. Holes in the corners of the platform edges are provided for this purpose. Always load the platform in a uniform and balanced fashion.

Use the On / Off switch to turn the unit on. The direction of rotation in which the unit starts is random and does not affect mixing. If desired, the rotational direction can be reversed by holding the unit's base and very briefly touching the rotating platform on the bottom at one corner. This technique can also be used to select the direction of rotation.

## Maintenance

Always disconnect cord from power source before maintaining or servicing.

The Enduro MiniMix requires no maintenance other than occasional cleaning with a damp cloth with mild detergent. The rubber mat may be washed in soap and water. **Do not immerse the unit in water or spill liquids over the unit.** Be sure the unit is dry before reconnecting to power.

## Service & Repair




The Enduro MiniMix is a well-built unit that should provide years of trouble free service. Should service be needed, contact Labnet International at 1-732-417-0700. Service should only be performed by a qualified service technician.

## Specifications

Mixing action:	3 dimensional rocking rotating
Mixing speed:	18 rpm fixed (120V model) 20 rpm fixed (230V model)
Platform Tilt angle:	5 degrees fixed
Platform dimensions:	9.5 in. x 6.75 in (20cm x 16.5cm)
Mixer dimensions WxHxD:	(9.5 in x 5.75in x 6.75) (24cm x 14.6cm x 17cm)
Mixer weight:	1.88 lbs (0.85 kg)
Platform load capacity:	1.75 lbs balanced (0.8kg)
Platform capacity w/o stacking:	4, 8 x 10 cm (Bio-Rad, NuSep) or 2 10 x 10 cm (Lonza, Invitrogen) blotting boxes.
Ambient operating range	4°C to 40°C
Electrical:	120V, 50/60Hz, 0.03 amps or 230V, 50 /60Hz, 0.015 amps

## 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-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), Enduro MiniMix 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](http://www.corning.com/weee)*

## 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'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 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.

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