



**United  
Scientific®**

**Laboratory Equipment**



**Eco  
series**



# United Scientific™ Eco-Stir Magnetic Stirrer

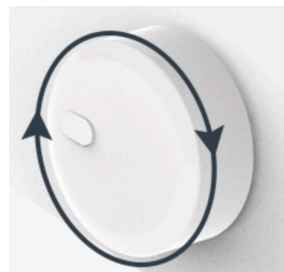
The United Scientific™ Eco-Stir Magnetic Stirrer is designed for use with low viscosity liquid or solid/liquid mixtures. Compact design with a small footprint while capable of stirring volumes up to 2L. Four non-slip feet provide stability. Includes power adapter, magnetic stirbar, and user manual.



- **Stirs up to 1800 rpm**
- **For volumes up to 2L**
- **Durable brushless motor**

### Technical Specifications:

- Motor type: Brushless
- Speed Control: Continuous variable rotary knob
- Speed Range: 350 - 1800 rpm
- Working platform diameter: 13.5 cm
- Maximum Stirring Volume: 2 liters
- Stir Bar Accommodation: 20mm to 30mm
- Product Dimensions: 16.8 x 16 x 4.7 cm
- Input Power: 5W
- Operates on 115V / 60 Hz



Speeds can be easily adjusted using continuous rotary knob



Includes power adapter and magnetic stirbar

**Compact**

**Easy Adjust**

**Non-Slip**

Item #	Description
UNMGSTR-2	United Scientific™ Eco-Stir Magnetic Stirrer

**⚠ WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# United Scientific™ Eco-Spin Mini Centrifuge

This benchtop microcentrifuge is ideal for quick spin-downs of microcentrifuge tubes. Includes a multi-rotor that accommodates twelve microcentrifuge tubes in 0.2ml, 0.5ml, 1.5ml, or 2ml capacities, or four 8-well, 0.2ml PCR strips. Safety lid with lock stops centrifuge quickly when opened. Includes power adapter and user manual.

- Spins at 4000 rpm
- Compact design
- Low noise and vibration levels

### Technical Specifications:

- Multi-rotor: holds 12 microcentrifuge tubes (0.2ml, 0.5ml, 1.5ml, or 2ml) or 4 PCR strips (8-well, 0.2ml)
- Power Control: PI power direct drive
- Maximum spin speed: 4000 rpm  $\pm$  5%
- Maximum Relative Centrifuge Force (RCF): 1080g
- Maximum Speed Acceleration / Reduction:  $\leq$  12s /  $\leq$  15s
- Noise:  $\leq$  47 db(A)
- Input Power: 20W
- Operates on 115V / 60 Hz



Multi-Rotor accommodates microcentrifuge tubes or PCR strips

Compact

Multi-Rotor

Low Noise

Item #	Description
UNMCNTF-4	United Scientific™ Eco-Spin Mini Centrifuge

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# United Scientific™ Eco-Mix Vortex Mixer

The United Scientific™ Eco-Mix Vortex Mixer has a simple touch-and-go function that makes it easy to use. The compact design saves bench space, yet the mixer is powerful enough to deliver robust vortex mixing at 3000 rpm. Compatible with centrifuge tubes up to 50mL capacity, and can also be used with test tubes.

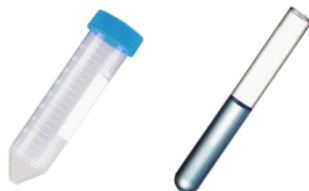
- **Compact design**
- **Constant speed mixing at 3000 rpm**
- **Accommodates centrifuge tubes up to 50mL**

### Technical Specifications:

- Motor Type: Brushless
- Speed: 3000 rpm
- Shaking Orbit: 4.5 mm (circular)
- Maximum Centrifuge Size: 50mL
- Heavy-duty zinc alloy base
- Input Power: 12W
- Operates on 115V / 60 Hz



Mixes at a constant speed of 3000 rpm



For use with centrifuge tubes and test tubes



Oscillator has a shaking orbit of 4 mm



Heavy zinc alloy base with rubber feet provides stability

**Compact**

**Easy to Use**

**Non-Slip**

Item #	Description
UNVORTMX-50ML	United Scientific™ Eco-Mix Vortex Mixer

**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# United Scientific™ Eco-Heat Hot Plate with Stirrer

This aluminum top hot plate with stirrer has a powerful, 500W heating element and a 280° C maximum temperature. The unit automatically stops heating when the maximum temperature is reached. Temperature range is from 0 to 280° C. Stirring function operates at speeds from 0 to 1,600 rpm. Aluminum top measures 12 cm x 12 cm. Includes a grounded power cord and spare fuse.

Accessories included with the product are a 1” Teflon-coated stir bar and a support stand assembly with a base rod, extender rod, right angle clamp, and thermometer holder.

- **Temperature range is from 0 to 280°C**
- **Stirring speeds from 0 to 1,600 rpm**
- **12cm x 12cm aluminum top**

### Technical Specifications:

- Speed Control: Continuous variable rotary knob
- Speed Range: 0 - 1,600 rpm
- Working platform size: 12 cm x 12 cm
- Maximum Stirring Volume: 1L
- Operates on 115V / 60 Hz



Hot plate/stirrer is shipped with a grounded power cord, spare fuse, Teflon-coated stirbar, and support rod assembly with thermometer holder.



Heat and Stir

Aluminum Top

Easy Adjust

Item #	Description
UNREHPLATE-1L	United Scientific™ Eco-Heat Hot Plate with Stirrer

**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# United Scientific™ Eco-Heat Heating Mantle

The United Scientific™ Eco-Heat Heating Mantle accommodates round bottom flasks up to a 250 mL capacity. Continuously adjustable heating from ambient room temperature to a maximum of 380° C. Mantle is woven from glass fiber yarn to provide uniform heating to round bottom flasks. The inner core is constructed of high temperature E-glass fiber that protects against corrosion and provides durability and high temperature resistance.

- **Compact design**
- **For round bottom boiling flasks up to 250 mL**
- **Heats up to 380° C**

### Technical Specifications:

- Heating Function: Electronic thermoregulation
- Heating Power: 100W - 2400W
- Maximum Heating Temperature: 380° C
- Operates on 115V / 60 Hz



Indicator light shows when product is in use.



Temperature can be easily adjusted using continuous rotary knob.



Durable inner core with E-glass fiber construction.

**Compact**

**Easy Adjust**

**Durable Core**

Item #	Description
UNEHMTLE-250	United Scientific™ Eco-Heat Heating Mantle

**⚠ WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).