

## *Spectrafuge 16M Microcentrifuge*

### **Meeting the full spectrum of your requirements**

- ❑ **Brushless motor . . . maintenance free**
- ❑ **Exceptionally quiet**
- ❑ **Extremely small footprint**
- ❑ **High maximum speed (14,000rpm/16,000 x g)**
- ❑ **Unique airflow patterns - samples stay cool**
- ❑ **Cold room compatible**
- ❑ **18 x 1.5/2.0 ml rotor**
- ❑ **Economically priced**
- ❑ **Choice of 5 accent colors**



## Everything you ever wanted in a microcentrifuge

Labnet's high speed *Spectrafuge™ 16M* is the culmination of many years of centrifuge design experience combined with the latest brushless drive technology. In the development process, we sought out our customers' input and produced a microcentrifuge that met all their requirements. The result is a remarkably quiet and cool running unit that requires a minimum of bench space. Although the *Spectrafuge* is a high performance, brushless microcentrifuge, it is priced below most brush models.

### ❑ **Brushless motor**

The *Spectrafuge 16M* is powered by a maintenance-free brushless motor. There are no brushes to change and no carbon dust emissions. This high performance motor is extremely quiet and generates a minimal amount of heat while running. It also allows for exceptionally fast acceleration and deceleration of the rotor.

### ❑ **Cool operation**

The unique air ducting system in the *Spectrafuge 16M* supplies a continuous flow of ambient air to the rotor chamber. This airflow keeps the rotor cool and prevents a significant rise in sample temperature. For applications requiring conditions below ambient, the *Spectrafuge 16M* can be used in refrigerated environments.

### ❑ **Precise control**

Variable speed across a broad range makes the *Spectrafuge 16M* valuable for a variety of applications including microfiltration and separation of proteins and nucleic acids. Speeds from 1,000rpm (85 xg) to 14,000rpm (16,000 xg) are quickly and precisely selected with the speed control knob. Operation may be timed, continuous or momentary. The centrifuge will run at the preset speed regardless of the chosen mode.

### ❑ **Complete package**

The *Spectrafuge 16M* is supplied complete with an 18 place angle rotor for microtubes which is easily removed for cleaning and autoclaving. The rotor accepts a wide variety of microtubes, including those with screw caps and skirted

bottoms. Smaller tubes (200µl to 500µl) are accommodated with the available adapters. Our new *StripSpin™* adapter, available separately, snaps easily onto the 18 place rotor for processing 0.2ml PCR strips or individual 0.2ml tubes.



StripSpin™ adapter for 0.2ml PCR strips or tubes. Cat. #C-0160-SS.

### Ordering Information

Cat. No.*	Description
C-0160	<i>Spectrafuge 16M</i> , 120V, standard gray
C-0160-B	<i>Spectrafuge 16M</i> , 120V, blue accents
C-0160-T	<i>Spectrafuge 16M</i> , 120V, teal accents
C-0160-P	<i>Spectrafuge 16M</i> , 120V, purple accents
C-0160-R	<i>Spectrafuge 16M</i> , 120V, red accents
C-0160-SS	<i>StripSpin</i> adapter for 0.2ml strip tubes
C-1205	Adapter for 500µl tubes, set of 6
C-1206	Adapter for 250µl and 400µl tubes, set of 6
C-1222	Adapter for 200µl cycling tubes, set of 6

### Specifications

<b>Maximum speed/RCF</b>	14,000rpm/16,000 x g
<b>Acceleration to max. speed</b>	10 seconds
<b>Deceleration from max. speed</b>	9 seconds
<b>Max. radius for 1.5/2.0ml</b>	7.3 cm
<b>Timer</b>	1 to 30 minutes or hold
<b>Noise level</b>	55 dB(A)
<b>Dimensions (W x D x H)</b>	8.25 x 8.9 x 7 inches 201 x 226 x 178 mm
<b>Weight</b>	10 lb/4.5 kg
<b>Voltage*</b>	120V~, 50/60 Hz