

## *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 x g) to 14,000rpm (16,000 x g) 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

**For lower speed applications, try the Spectrafuge 7M**

- ❑ 10,000rpm/7,176 x g
- ❑ 12 x 1.5/2.0ml rotor
- ❑ Quiet and cool running
- ❑ Economically priced



Cat. No. C-0165

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