



# WHEATON | Magnetic Stirrers

Proven Tools for Life Science Research



## BioStir® and Micro-Stir® Magnetic Stirrers

Magnetic Stirrers are used in the laboratory for general mixing and cell growth applications. The stirrers are made of stationary electro magnets that create a rotating magnetic field which manipulates the stir bar submerged in the spinner flask causing it to spin.

Wheaton Magnetic Stirrers are primarily used with Wheaton Spinner Flasks. This is the method of choice for suspension and/or adherent lines coupled with microcarrier beads. Wheaton Magnetic Stirrers are preferred in research over gear-driven motorized stirrers because they are less noisy, more efficient, and have no moving parts to break or wear out.

Designed to ensure gentle mixing, Wheaton Magnetic Stirrers prevent shear of the cell and low heat transfer. They feature several automatic modes of operation to optimize the growth of your cells and allow you to concentrate on your results. Speed ranges from 5-200 RPM with the Micro-Stir Magnetic Stirrer and 150-1200 RPM with the BioStir Magnetic Stirrer. This will give you the ability to maximize your culture and increase your yield.



### Specifications:

#### Electrical:

Operating voltage: .....100-240 VAC, 50/60 Hz  
Power consumption: .....15 Watts  
Pollution Degree: .....Class 2

#### Environmental:

Operating temperature: .....15°C to 40°C  
Humidity: .....80% up to 31°C, 50% at 40°C  
Altitude limit: .....2000 meters

#### Operational:

Operating speed:  
Micro-Stir: .....5 - 200 RPM  
BioStir: .....150 - 1200 RPM  
Maximum flask size: .....3 L flask

#### Dimensions: H x W x D

Single Place: .....3.6 x 8.0 x 9.8 in (9.2 x 20.3 x 24.9 cm)  
Four Place: .....4.0 x 15.5 x 17.5 in (10.2 x 39.4 x 44.5 cm)

#### Weight:

Single Place: .....4.5 lb (1.9 kg)  
Four Place: .....10 lb (4.5 kg)

## Remote Control

### • For BioStir and Micro-Stir Magnetic Stirrers

The Wheaton Remote Control allows all stirrer functions to be controlled and monitored without opening an incubator and disturbing the incubator contents. The remote control comes with a 12 ft. (3.66 m) cord which allows the stirrer to be placed in an incubator (such as the Wheaton Roll-In or CO<sub>2</sub> Incubators) while allowing freedom of placement for the remote controller.

## Ordering Information

Cat. No.	Description	Qty/Case
W900704	Remote Control	1



Single Place Micro-Stir® Pictured with  
Wheaton Magna Flex® Microcarrier Spinner Flask

## Micro-Stir® Slow Speed Magnetic Stirrer

- 5-200 RPM

Designed specially for cell culture applications requiring exceptionally slow speeds, gentle mixing preventing shear and low heat transfer. May be used in an environment with CO<sub>2</sub> and non-condensing humidity, and with a temperature range to 50°C.

### Ordering Information

Cat. No.	Plug Style	Qty/Case
<b>Single Place Micro-Stir</b>		
W900700-A	120 VAC, North America	1
W900700-B	100 VAC, Japan	1
W900700-C	230 VAC, Continental Europe	1
W900700-D	230 VAC, United Kingdom	1
W900700-F	240 VAC, Australia/China	1
W900700-G	230 VAC, Italy/Chile	1
W900700-J	230 VAC, India	1
<b>Four Place Micro-Stir</b>		
W900701-A	120 VAC, North America	1
W900701-B	100 VAC, Japan	1
W900701-C	230 VAC, Continental Europe	1
W900701-D	230 VAC, United Kingdom	1
W900701-F	240 VAC, Australia/China	1
W900701-G	230 VAC, Italy/Chile	1
W900701-J	230 VAC, India	1



Four Place BioStir® Pictured with  
Wheaton Erlenmeyer Flasks (Cat. No. 635165)

## BioStir® Heavy Duty Magnetic Stirrer

- 150-1200 RPM

Designed specifically for use with suspension culture flasks. The effortless motor provides uniform speeds for great results with cell culture or small fermentations. Accurate speed control is set using an easy to read display. The smooth-running motor reduces heat transfer to medium being stirred. Takes flask sizes up to 3 Liters. Can be used in an environment with CO<sub>2</sub> and non-condensing humidity, and with a temperature up to 50°C.

### Ordering Information

Cat. No.	Plug Style	Qty/Case
<b>Single Place BioStir</b>		
W900702-A	120 VAC, North America	1
W900702-B	100 VAC, Japan	1
W900702-C	230 VAC, Continental Europe	1
W900702-D	230 VAC, United Kingdom	1
W900702-F	240 VAC, Australia/China	1
W900702-G	230 VAC, Italy/Chile	1
W900702-J	230 VAC, India	1
<b>Four Place BioStir</b>		
W900703-A	120 VAC, North America	1
W900703-B	100 VAC, Japan	1
W900703-C	230 VAC, Continental Europe	1
W900703-D	230 VAC, United Kingdom	1
W900703-F	240 VAC, Australia/China	1
W900703-G	230 VAC, Italy/Chile	1
W900703-J	230 VAC, India	1



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