

fisherbrand



Centrifuge/Stirrer

A high-speed centrifuge and magnetic stirrer in one unit

A truly great product is ultimately defined by its functional design

The industry's first high-speed centrifuge and magnetic stirrer, combined into one unit. This design innovation enables substantial cost savings for labs by not having to purchase two pieces of equipment, a stirrer and a centrifuge, because this does it all.

- Made from a durable chemically resistant ABS and polycarbonate making it easy to clean, maintenance free and helps lower the cost of ownership
- The modern low-profile design is compact and has a small footprint for labs with limited bench space and limited height that ultimately helps reduce clutter in the lab
- An easy to use back-lit digital control panel for time, speed and operation ensures effective outcomes and streamlines the work flow process by allowing for quick set up



High-Speed Mini Centrifuge

Two Units in One!

Magnetic Stirrer

The high-speed Centrifuge (12,500rpm) is designed to give you maximum speed and flexibility while being comfortable and easy to use.

- Ideal for most protocols requiring fast spins (12,500rpm / 9,800xg), and appropriate for PCR, microfilter cell separation, and HPLC protocols
- Adjustable time (30 seconds to 60 minutes) and speed (500 to 12,500rpm)
- Variable speed can be set in rpm or RCF and has rapid acceleration and fast controlled breaking
- Two rotors included, 12 place for 1.5/2.0mL tubes and 6 place for 5mL tubes with adapters for additional tube sizes
- Manual lid override allows users to open lid in case of a power failure and prevents loss of samples
- Safety features help ensure it will not operate when the lid is open, a rotor is jammed, or the unit is out of balance

Compatible Tubes:

- 0.2mL - 5.0mL
- 0.5mL
- 1.5mL
- 2.0mL



The high-performance Magnetic Stirrer (3L Plus) is designed to provide a powerful magnetic coupling that ensures consistent accurate alignment of the stir bar that significantly reduce the chance of spin-outs.

- Ideal for work with sensitive samples such as cell lines and protocols requiring more aggressive mixing to quickly achieve full dilution of samples in solution
- Multiple stirring modes, clockwise, counter-clockwise and oscillate enable protocols to be controlled precisely for reproducible results
- Adjustable time (30 seconds to 60 minutes or continuous) and speed (50 to 2,500rpm)
- After hours of continuous use, the unit remains cool ensuring sample integrity
- Sensor technology prevents the stirrer rotor from being used above 2,500rpm helping to protect users and prevent unit damage
- A silicone mat is included to help prevent spills and to help keep vessels stable
- High-quality rare-earth magnets are used in the stirrer rotor to ensure the strongest magnetic coupling
- Two rare-earth stir bars (40 x 12mm) included have PTFE coating for chemical resistance

? FAQ



Precision, literally at the touch of one button!

The Centrifuge/Stirrer offers an easy to program digital display.

Multiple functions and options are available to achieve the best possible centrifugation and stirring results for a wide range of protocols.

Conveniently rotate the knob to choose the function desired (centrifuge or stirrer) and push to lock in the selection.



After selecting a function, rotate through the performance options and select the program to meet your requirements.

- Speed Display or Stirrer Mode
- Speed: Centrifuge 500 to 12,500rpm, Stirrer 50 to 2,500rpm, 5 sec. increments
- Time: 30 seconds to 60 minutes, 5 sec. increments (continuous option for stirrer)



Last run memory feature is available for repeat protocol requirements.

How easy is it to change the rotors?

Very. No tools are required. Each rotor takes seconds to screw finger tight into place.

What happens if the wrong rotor is used with the wrong mode?

An error message will be displayed and the centrifuge/stirrer will not operate. The unit can detect the rotor installed and it must be matched with the mode for it to work.

What is the oscillating mode?

In the oscillating mode you can program the stirrer to automatically stir one direction, then stop and stir in the other direction. The number of cycles can be set up to 99 times.

Why would I use the oscillating mode?

The oscillating mode is ideal for helping to dissolve solids and stirring of more viscous solutions. By constantly changing the direction of the stirring, it ensures the most thorough of mixing and can help reduce mixing time.

What happens if there is a spill on the centrifuge/stirrer?

The shape of the stirrer housing guides any spillages away from the electrical components, which are also protected by the seamless top shell.

How can you clean the centrifuge/stirrer?

You can use any standard detergents or disinfectants that are compatible with Acrylonitrile Butadiene Styrene, more commonly known as ABS and polycarbonate.



Ordering Information

Cat. No.	Description
15909350	Centrifuge/Stirrer



Specifications: Centrifuge

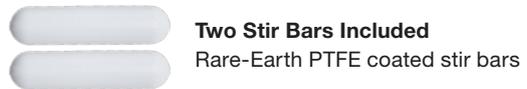
Speed Range	500 to 999rpm (increments of 1); 1,000 to 5,000rpm (increments of 5); 5,000 to 12,500rpm (increments of 25)
RCF	16 to 9,783xg (max RCF calculated)
Run Time Ranges	30 seconds to 60 minutes (5 second increments)

Specifications: Magnetic Stirrer

Speed Range	50 to 999rpm (increments of 1); 1,000 to 2,500rpm (increments of 5)						
Run Time Ranges	<table border="1"> <tbody> <tr> <td>Stirrer Mode</td> <td>30 seconds to 60 minutes or continuous (5 second increments)</td> </tr> <tr> <td>Oscillating Stirrer Mode</td> <td>1 second to 60 minutes or continuous</td> </tr> <tr> <td>Oscillating Period</td> <td>30 seconds to 15minutes</td> </tr> </tbody> </table>	Stirrer Mode	30 seconds to 60 minutes or continuous (5 second increments)	Oscillating Stirrer Mode	1 second to 60 minutes or continuous	Oscillating Period	30 seconds to 15minutes
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Oscillating Stirrer Mode	1 second to 60 minutes or continuous						
Oscillating Period	30 seconds to 15minutes						
Capacity	3 Litres plus. Diameter of vessel not to exceed 130mm						

Package Includes

Centrifge/Stirrer	Stirrer Rotor	12 Tube Adapters 0.2mL
5mL Tube Rotor	2 Stir Bars	12 Tube Adapters 0.5mL
1.5mL Tube Rotor	2 Silicone Mats for Stirrer Lid	
1 Low Voltage, Double Insulated Power Adapter with 4 Interchangeable Plugs		



1.5/2.0mL Tube Rotor 5mL Tube Rotor Stirrer Rotor

Find out more at eu.fishersci.com

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