

# Adapt to the daily challenges

that impact productivity and  
job satisfaction in the lab.

Heathrow Scientific MagFuge<sup>®</sup> multi-function  
high-speed centrifuge (MFC) bundle.



# Customize your high speed centrifuge on the fly and make your job easier

There's friction between operators in the lab. The friction comes from conflicting priorities and shared equipment.

That friction causes drops in productivity, job satisfaction, and employee retention.

Give your operators a tool to relieve that friction and you can reverse all those negative trends at once.

That's what we built the MagFuge® multi-function high-speed centrifuge bundle to do.



## Benefits for your lab



Reduce friction between staff.



Improve employee retention.



Eliminate bottlenecks caused by centrifuges and stirrers.



Build better workstations for operators.



Use storage space more intelligently.



Empower operators to work at their own pace.



Replace multiple instruments with one small footprint.



Make your lab more adaptable.

## Spend 50% less on spinning and stirring equipment

The MagFuge® multi-function high-speed centrifuge bundle includes multiple rotors, adapters, and accessories that reduce your lab's need for overlapping equipment.



It can spin samples from 5ml down to 0.2mL with the included rotors and adapters. And it can stir samples of 3L or more with the included magnetic stirrer rotor, stir bars, and adapters. It costs half as much as comparable high-speed centrifuges and includes a high-performance magnetic stirrer. It takes up half as much space as the comparable instruments too.

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## Centrifuge stats at a glance

Suitable for PCR, microfilter cell separation, HPLC protocols, and similar common applications.

Time adjustable from 30 seconds to 60 minutes.

Speed adjustable from 500 to 12,500 RPM (9,800 x g).

Variable speed can be set in RPM or RCF

Rapid acceleration and fast controlled braking to facilitate increased productivity.

Compatible tubes:

- 5mL
- 2mL
- 1.5mL
- 0.5mL
- 0.2mL



## Stirrer stats at a glance

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.

Suitable for samples of 3L or greater.

Time adjustable from 30 seconds to 60 minutes or continuous.

Speed adjustable from 50 to 2,500 RPM.

No measurable heat generation.

Stirring modes include clockwise, counterclockwise, oscillate.

## What you get



MagFuge MFC	Power adapter with 4 plugs	2 stir bars
5mL tube rotor	1.5mL tube rotor	Stirrer rotor
12 tube adapters @ 0.5mL	12 tube adapters @ 0.2mL	Silicone mats for stirrer lid

It's chemically resistant (made from ABS and polycarbonate).  
It's easy to clean. It's maintenance free. It's quiet. It's small.

What you get is **easy versatility**.

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## Maintain and replace equipment less. Cut repair costs.

Your MagFuge MFC bundle comes with a 5-year warranty.

Heathrow Scientific lives by strict standards that include 3rd party plant reviews and 100% multi-level product inspections. Our equipment reliability is rated 99.7%.

What does that mean to you?

Fewer repairs. Fewer replacements. And a super low cost of ownership.



## Change rotors. No tools required.



Tools get lost. Tools wear down parts because operators over-tighten and fray nuts and bolts. Tools reduce the lifespan of lab instruments.

MagFuge MFC is built for hand-tightening. Operators can adjust for their application on the fly without searching for knick knacks.






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# MagFuge®

Item No.	Color	L x W x H in	L x W x H cm	UOM
120581	Gray/Purple	9.2 x 7.3 x 4.7	23.5 x 18.5 x 12	1/ea, 2ea/cs
120582	Gray/Blue			



## Specifications

Weight	1.85 kg (4.08 lb)	
Operating Temp.	Range 2°C to 40°C	
Max. Relative Humidity	Non-condensing, 80% for temperatures up to 31°C decreasing linearly to 50% R.H. at 40°C	
Electrical	Level VI	
Power Adapter Rating	Input	100-240 VAC 50/60 Hz 2.0-1.0 A
	Output	12 VDC 8.33 A
MagFuge® Rating	Input Current (Under load) Power	12 VDC Approx. 6.5 A Approx. 78W
Warranty	5 years	
Certifications	CE, SGS, RoHS2, WEEE	    

## MagFuge® Centrifuge Specifications

Speed Range	500 – 999 rpm (increments of 1); 1,000 – 5,000 rpm (increments of 5); 5,000 – 12,500 rpm (increments of 25)
RCF	16 – 9,783 x g (max RCF calculated)
Capacity	12 place 1.5/2.0 mL tube rotor: 24 mL total maximum liquid volume 6 place 5 mL tube rotor: 30 mL total maximum liquid volume
Run Time Ranges	30 seconds – 60 minutes (5 second increments)

## MagFuge® Magnetic Stirrer Specifications

Speed Range	50 – 999 rpm (increments of 1); 1,000 – 2,500 rpm (increments of 5)
Stirrer Mode	30 seconds to 60 minutes or continuous (5 second increments)
Run Time Ranges	Oscillating Stirrer Mode 1 second – 60 minutes or continuous  Oscillating Period 30 seconds – 15minutes
Capacity	3 liters plus. Diameter of vessel not to exceed 130 mm (6.70")
Plate Dimensions	Approx. 130 mm diameter

## Package Includes

MagFuge MFC	Power adapter with 4 plugs	2 stir bars
5mL tube rotor	1.5mL tube rotor	Stirrer rotor
12 tube adapters @ 0.5mL	12 tube adapters @ 0.2mL	Silicone mats for stirrer lid



Stirrer Rotor



1.5/2.0 mL  
Tube Rotor



5 mL Tube  
Rotor

1 low voltage, double insulated power adapter with 4 interchangeable plugs



**Two stir bars included Rare-Earth PTFE coated stir bars**

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