



MagFuge® The industry's first Hybrid High-speed Centrifuge and Magnetic Stirrer, in ONE unit



High-Speed Mini Centrifuge

Two Units in One!

Magnetic Stirrer

The high-speed Centrifuge (12,500 RPM) 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 / 9,800 x g), and appropriate for PCR, microfilter cell separation, and HPLC protocols
- Adjustable time (30 seconds to 60 minutes) and speed (500 to 12,500 RPM)
- Variable speed can be set in RPM or RCF and has rapid acceleration and fast controlled breaking
- Two rotors included, 12 place for 1.5/2.0 mL tubes and 6 place for 5 mL 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

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, c. 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 2,500 RPM)
- After hours of continuous use, the unit remains cool ensuring sample integrity
- Sensor technology prevents the stirrer rotor from being used above 2,500 RPM 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 12 mm) included have PTFE coating for chemical resistance

MagFuge®

Item No.	Color	L x W x H in	cm	UOM
72355-02	Gray/Purple	9.2 x 7.3 x 4.7	23.5 x 18.5 x 12	1/ea
72355-01	Gray/Blue			

Package Includes

MagFuge®	Stirrer Rotor	12 Tube Adapters 0.2 mL
5 mL Tube Rotor	2 Stir Bars	12 Tube Adapters 0.5 mL
1.5 mL Tube Rotor	2 Silicone Mats for Stirrer Lid	
1 low voltage, double insulated power adapter with 4 interchangeable plugs		



Specifications: MagFuge® Centrifuge

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)
Run Time Ranges	30 seconds – 60 minutes (5 second increments)

Specifications: MagFuge® Magnetic Stirrer

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

Patent Information

Community Design No. 003515337-0001-0002
Euro. Pat. App. 3 246 088
US Design Patent No. D814,045
Utility Patent Pending



5
Year
Warranty*



Back-lit Display
showing time, speed and operational information on the same screen

Adjustable
time and speed

Quick-spin Button
for momentary spin requirements, press and hold to operate, release to end spin cycle

Gusto® High Speed Centrifuge

- Durable ABS body and polycarbonate lid
- UV-Resistant plastic, increased useful life under harsh light conditions
- Compact footprint and brush-less motor for quiet operation and low vibration
- Powered by 12V DC
- Select the digital speed display for RCF or RPM
- Push button lid release
- Sample imbalance and tilt safety shut-off
- Manual override allows user to open lid in case of power failure
- Long-life maintenance free motor
- Safety interlock lid prevents opening while rotor is turning
- Easy to clean design



Tool Free
rotor exchange

Gusto®

Item No.	Color	L x W x H in	cm	UOM
72359-12	Blue	8 x 6.7 x 4.5	20.3 x 17.1 x 11.4	1/ea

Specifications	
Speed Range	500–12,500 rpm
RCF	15–9,800 x g
Run Time Ranges	1 – 30 minutes

Package Includes

- Gusto® High-Speed Mini-Centrifuge
- 12 place 1.5/2.0 mL tube rotor
- 12 tube adapters 0.2 mL
- 32 place 0.2 mL tube rotor (singles, or 4 x 8 Strip)
- 12 tube adapters 0.5 mL
- 1 low voltage, double insulated power adapter 110–240V 50/60 Hz, with 4 interchangeable cord types





Tool-free SnapSpin rotors change out with the push of a button



Sprout® Plus = a larger lid to accommodate longer and skirted tubes, as well as taller tube lids

Sprout® Plus Mini Centrifuge

- Maximum Speed: Approx. 6,000 rpm (fully loaded)
- Maximum RCF: 2000 x g
- Ideal for microfilter cell separations and HPLC samples, with adapters to accommodate all major microtube and PCR tube styles (1.5/2.0, 0.5, 0.2 mL) for customized use
- Quick spin option make the unit fast and easy to use
- Functionally designed, the lid fits in the palm for one handed repeat opening and quick tube extraction
- Weighted rubberized base eliminates movement, dampens vibration and noise
- Breaking function quickly stops the unit when powered off or when the lid is opened
- ABS housing and polycarbonate lid make the unit easy to clean
- Compliant with North American and EU safety requirements
- Low voltage, double insulated power adapter with 4 interchangeable plugs
- Accessory kit includes: 6 place 1.5/2.0mL tube rotor, 16 place 0.2mL tube rotor (single or 2x8 strip), 6 tube adapters 0.2mL, 6 tube adapters 0.5mL, 4 O-rings, storage case for rotors and adapters, tube rack
- A locking lid for added protection when the unit is in use



Sprout® Plus

Item No.	Color	L x W x H		UOM
		in	cm	
72362-02	Green	6 x 5 x 4.3	15.3 x 12.8 x 10.9	1 ea
72362-01	Blue			





Magnetic Induction Stirrer

- Capacity: 3 liter plus
- Speed: 10 to 2,000 rpm
- Motor-less, advanced coil technology with no moving parts
- Strongest magnetic coupling for viscous solutions
- Will generate minimal heat, even after hours of continuous use
- Multiple stirring modes; single clockwise, single c. clockwise, auto reverse rotation
- 100% wear and maintenance free
- Durable ABS housing is corrosion resistant and easy to clean
- Quiet operation and low vibration
- Continuous constant speed for reproducible results
- Two stir bars included (35 mm x 12 mm) with PTFE coating for chemical resistance

Patent Information

Community Design No. 003515337-0001-0002
 Euro. Pat. App. 3 246 088
 US Design Patent No. D814,045
 Utility Patent Pending



Magnetic Induction Stirrer

Item No.	Color	L x W x H		UOM	
		in	cm		
72365-10	Gray/Purple	9.7	7.7 x 3	24.5 x 19.5 x 7.5	1 ea
72365-20	Gray/Blue				



Mini Magnetic Stirrer

An economical solution made for ultimate function

- Capacity: 1 Liter Plus
- Speed: 200 to 2200 rpm
- Optimal magnetic coupling significantly reduces stir bar spin outs
- Made of ABS and PC blend that is chemical resistant and easy to clean
- Includes two 9 x 95mm stir bars
- Low profile design has a small footprint which saves valuable bench top space

Patent Information

US Design Patent No. D814,045
 US and EU Utility Patent Pending



Mini Magnetic Stirrer

Item No.	Color	L x W x H		UOM	
		in	cm		
72368-01	Gray/Purple	7.2	5.2 x 1.85	18.3 x 13.2 x 4.7	1 ea
72368-02	Gray/Blue				





Vortexer

- Speed Range: Pre-set 1000, 2000, and 3000 rpm (shaking to vortexing)
- Body made from durable ABS to resist most commonly used chemicals, and is easy to clean
- Orbit: 3.7 mm
- Stable elastomeric device feet, provide vibration dampening and prevent movement during operation
- Innovative head can be removed for cleaning purposes

Patent Information

US Design Patent No. D787,085
US Utility Patent No. 9895670



Center pad area for hand held mixing



Assay plate x 1 (to be used with retention cords)



50 mL conical tubes x 2 (horizontally mounted)



15 mL conical tubes x 2 (horizontally mounted)



5 mL tubes x 2 (horizontally mounted in the same retention space as 15 mL)



0.5 mL microfuge tubes x 6 (vertically mounted)



1.5/2 mL microfuge tubes x 4 (vertically mounted)



0.2 mL microfuge tubes (strip tubes) x 24 (vertically mounted)

One Mixing Head:

holds 6 tube sizes, a standard assay plate and has a center pad area for quick hand-held mixing

Vortexer

Item No.	Power Supply	L x W x H		UOM
		in	cm	
71839-01	110V-120V, 50-60Hz, 96 Watts, US/NA	6.7 x 7.5 x 7.8 <i>(with mixing head in place)</i>	17.1 x 19 x 19.7 <i>(with mixing head in place)</i>	1 ea



Mini Vortexer

- Speed: 4500 rpm
- Orbit: 6 mm
- Capacity: Up to 50 mL tube
- Modern design allows easy one-handed touch start operation – shaking stops when tube is lifted
- Low activation force minimizes fatigue
- Made from ABS and silicone materials that resist most commonly used chemicals
- Silicone tacky feet prevent movement during operation
- 2 silicone caps included

Patent Information

US Design Patent No. D814,045
US and EU Utility Patent Pending



Mini Vortexer

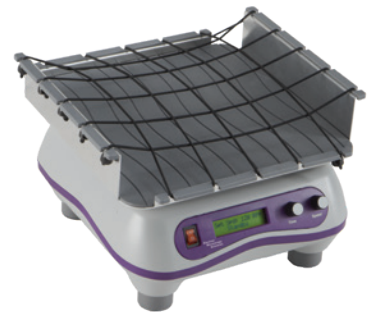
Item No.	Color	L x W x H		UOM
		in	cm	
87004-02	Gray/Purple	5.1 x 4.3 x 3	13 x 11 x 7.5	1 ea
87004-01	Gray/Blue			





Digital Orbital Shaker

- Speed Range: 20-300 rpm, 1 rpm increments
- Orbit Diameter: 19 mm (0.8 in)
- Timer Range: 0 to 74 hours and 59 minutes with 1 second increments or continuous
- Body made from durable ABS to resist most commonly used chemicals, and is easy to clean
- A high weight loading of 4.5 kg (10 lbs.), with an overload protection shut-off
- No-stop electronic motor feedback, enables the unit to instantly adjust to weight load changes and unbalanced loads for truly reproducible results
- Hi-Lo platform & bungee cords allows you to create your own holding matrix for vessels of all shapes and sizes
- Suitable for use in incubators and cold rooms within the stated temperature range
- Time and speed can be separately set
- Back-lit display is easy to read
- Soft-start and shut down feature at higher speeds reduces spill instances from full vessels
- Very low start speed for sensitive sample agitation, with a high top end and good stability for more vigorous applications
- Long-life maintenance free motor and drive



Item No.	L x W x H		Platform Interior W x D		UOM
	in	cm	in	cm	
65105-10	12.4 x 7.8 x 12.2	31.4 x 19.7 x 31	11 x 11	27.9 x 27.9	1 ea





**Electron
Microscopy
Sciences**

Easy Identification

5 different colored nose cones help differentiate department, task or user, as well as a labeling area on the side of the unit



Soft-Coated Triggers
with direction indicators

Ergonomically Balanced
in the hand with a loaded pipette

Universal Grip
for right- or left- handed users



Small Adapter

Magnetic Wall-Mount



3 Modes

Bright LEDs indicate 3 operation modes: high, low, & gravity



EMS Pipette Controller

- Long-life Li-ion battery, with quick charge—up to 20 hours continuous use
- Toggle operation by pressing the large mode button
- An adapter can be fitted to the nose cone to stabilize small volume and thinner pipettes
- New USB connector ensures the appropriate charger is used with the unit
- Low-battery indicator
- Can be recharged when in use
- Filter: PTFE/25mm dia/0.45 µm filter
- **Autoclavable** nose cone assembly

Storage Stand

doubles as a charging station



EMS Pipette Controller

Item No.	No. of Channels	Volume Range mL	L x W		UOM
			in	cm	
70955-01	Single	1–100	9 x 8.5 x 5	22.9 x 21.6 x 12.7	1 ea





**Electron
Microscopy
Sciences**

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