



# Benchtop Lab Equipment

REFERENCE CATALOG

Globe Scientific's line of bench-top laboratory equipment offers a compact design to conserve valuable space in crowded work areas.

All equipment models are engineered for quiet and efficient operation and manufactured with durable materials to provide a long service life.



### NUTATING MIXER - 3-DIMENSIONAL

Globe Scientific's nutating mixer provides thorough foam-free mixing of liquid in blood tubes, centrifuge tubes and flat vessels. The mixers are available in two platform sizes and come standard with an autoclavable dimpled mat to hold tubes in place. The mixers feature maintenance free brushless motors that are safe for use in cold rooms and incubators. Optional accessories include a flat mat for mixing other vessel types and a stacking platform for doubling the usable surface area.

Item #	Description
520	Nutating Mixer, 10.5" x 7.5" platform, 115V
520-230	Nutating Mixer, 10.5" x 7.5" platform, 230V
520-FM	Optional flat mat, 10.5" x 7.5"
520-DM	Optional dimpled mat, 10.5" x 7.5"
520-SFM	Optional stackable platform with flat mat, 10.5" x 7.5"
520-SDM	Optional stackable platform with dimpled mat, 10.5" x 7.5"
522	Nutating Mixer II, 12" x 12" platform, 115V
522-230	Nutating Mixer II, 12" x 12" platform, 230V
528-FM	Optional flat mat, 12" x 12"
528-DM	Optional dimpled mat, 12" x 12"
528-SFM	Optional stackable platform with flat mat, 12" x 12"
528-SDM	Optional stackable platform with dimpled mat, 12" x 12"



### SPECIFICATIONS:

Platform Size - Nutating Mixer:	10.5" x 7.5" (27cm x 19cm)
Platform Size - Nutating Mixer II:	12" x 12" (30cm x 30cm)
Dimensions - Nutating Mixer:	10" x 7.5" x 8"
Dimensions - Nutating Mixer II:	12" x 12" x 8.3"
Speed Range:	24 rpm (230V is 20 rpm)
Tilt Angle:	+/- 20 Degrees
Load Capacity:	2.0 kg / 4.4lbs
Operating Temp. Range:	+4°C to 65°C
Weight - Nutating Mixer:	3.7 lbs (1.7 kgs)
Weight - Nutating Mixer II:	4.4 lbs (2.0 kgs)
Electrical:	115V AC, 60 Hz, 0.4A 230V AC, 50 Hz, 0.2A
Warranty:	2 Years



# Benchttop Lab Equipment

## 3-DIMENSIONAL MOTION



### SPECIFICATIONS:

Platform Size - Blot Mixer:	10.5" x 7.5" (27cm x 19cm)
Platform Size - Blot Mixer II:	12" x 12" (30cm x 30cm)
Dimensions - Blot Mixer:	10" x 7.5" x 8"
Dimensions - Blot Mixer II:	12" x 12" x 8.3"
Speed Range:	12 rpm (230V is 20 rpm)
Tilt Angle:	+/- 8 Degrees
Load Capacity:	2.0 kg / 4.4lbs
Operating Temp. Range:	+4°C to 65°C
Weight - Blot Mixer:	3.7 lbs (1.7 kgs)
Weight - Blot Mixer II:	4.4 lbs (2.0 kgs)
Electrical:	115V AC, 60 Hz, 0.4A 230V AC, 50 Hz, 0.2A
Warranty:	2 Years

## BLOT / GEL MIXER - 3-DIMENSIONAL

Based on the same design as our Nutating Mixers, we modified the speed and tilt angle to provide a gentle 3-dimensional motion for use with all blot related applications. This provides gentle, yet thorough mixing in gel trays, boxes and other flat vessels. The mixers are available in two platform sizes and come standard with an autoclavable flat mat to hold vessels in place. The mixers feature maintenance free brushless motors that are safe for use in cold rooms and incubators. Optional accessories include a dimpled mat for mixing tubes and a stacking platform for doubling the usable surface area.

Item #	Description
525	Blot Mixer, 10.5" x 7.5" platform, 115V
525-230	Blot Mixer, 10.5" x 7.5" platform, 230V
520-FM	Optional flat mat, 10.5" x 7.5"
520-DM	Optional dimpled mat, 10.5" x 7.5"
520-SFM	Optional stackable platform with flat mat, 10.5" x 7.5"
520-SDM	Optional stackable platform with dimpled mat, 10.5" x 7.5"
526	Blot Mixer II, 12" x 12" platform, 115V
526-230	Blot Mixer II, 12" x 12" platform, 230V
528-FM	Optional flat mat, 12" x 12"
528-DM	Optional dimpled mat, 12" x 12"
528-SFM	Optional stackable platform with flat mat, 12" x 12"
528-SDM	Optional stackable platform with dimpled mat, 12" x 12"



### ROCKER - 2-DIMENSIONAL

The 2-dimensional rocker offers a sizeable work space, while maintaining a compact footprint and low profile design. It is lightweight and easy to carry from the lab bench to a cold room or incubator.

The tilt angle (+/- 8°) and fixed speed have been optimized for use in blot washing, gel staining and hybridization applications. The large load capacity (7 lbs) and multiple platform tie-down points make this rocker suitable for use in a wide variety of general purpose applications. Optional accessories include a dimpled mat for mixing tubes and a stacking platform for doubling the usable surface area.

Item #	Description
528	Rocker, 12 rpm, 115V
528-230	Rocker, 10 rpm, 230V
528-FM	Optional flat mat, 12" x 12"
528-DM	Optional dimpled mat, 12" x 12"
528-SFM	Optional stacking platform with flat mat, 12" x 12"
528-SDM	Optional stacking platform with dimpled mat, 12" x 12"

#### SPECIFICATIONS:

Platform Size:	12" x 12" (30cm x 30cm)
Speed - 115V:	Fixed at 12 rpm
Speed - 230V:	Fixed at 10 rpm
Tilt Angle:	+/- 8°
Work Surface:	Non-skid rubber mat
Load Capacity:	7 lbs (3.2 kgs)
Operating Temp. Range:	+4°C to 65°C
Dimensions (WxDxH):	13.5" x 11.8" x 4.7"
Weight:	6.5 lbs (3 kgs)
Electrical:	115V AC, 60 Hz, 0.4A 230V AC, 50 Hz, 0.2A
Warranty:	2 Years



Item #500-FH



Item #500-CH

### VORTEX MIXER

The vortex mixer's powerful engine provides instant vortexing of tubes and microplates. The mixer offers touch or continuous operation as well as variable speed control from 200 to 3200 rpm. It is designed to create maximum vortexing action, while minimizing noise and excessive vibration. Features include suction feet, cold room and incubator compatibility as well as spill-proof electronic controls.

A universal cup head is provided for a variety of tubes up to 50mL. An optional combo head holds small microcentrifuge tubes and microplates. An optional flat head can accommodate larger sample sizes.

Item #	Description
500	Vortex Mixer with universal cup head, 115V
500-230	Vortex Mixer with universal cup head, 230V
500-FH	Optional flat head
500-CH	Optional combo head for tubes and microplates, holds 66 tubes (38 x 1.5mL and 28 x 0.5mL) or one microplate

#### SPECIFICATIONS:

Speed Range:	200 to 3200 rpm
Operating Modes:	Touch or continuous
Operating Temp. Range:	+4°C to 65°C
Dimensions (WxDxH):	5" x 6.3" x 6.7"
Weight:	8.4 lbs (3.8 kgs)
Electrical:	115V AC, 60 Hz, 1.5A 230V AC, 50 Hz, 0.75A
Warranty:	2 Years



Item #545-RND



Item #545-STP



## MINI CENTRIFUGE

The mini centrifuge is perfect for quick spin-downs of small samples. It quickly accelerates to a maximum speed of 6,600 rpm (2,200 rcf) and stops within seconds. The motor provides super quiet, vibration-free operation. The crystal clear lid allows the operator to safely observe samples. A special safety shutoff system cuts the motor as soon as the lid is opened.

The centrifuge comes standard with a six-place angled rotor for 1.5mL to 2mL microcentrifuge tubes, six tube adapters for 0.5mL tubes and a rotor for sixteen 0.2mL PCR tubes or 2 PCR strips. Each rotor can be easily interchanged by the user in a matter of seconds.

Item #	Description
545B	Mini Centrifuge, blue, with 2 rotors and 6 adapters, 115V
545B-230	Mini Centrifuge, blue, with 2 rotors and 6 adapters, 230V
545R	Mini Centrifuge, red, with 2 rotors and 6 adapters, 115V
545R-230	Mini Centrifuge, red, with 2 rotors and 6 adapters, 230V
545-RND	Extra rotor for six 1.5mL to 2mL microcentrifuge tubes
545-ADP	Extra adapters for 0.5mL tubes (six each)
545-STP	Extra rotor for sixteen 0.2mL PCR tubes or two 8-place 0.2mL PCR strips

### SPECIFICATIONS:

RPM:	6,600 rpm
RCF - Round Rotor:	2,000 x g
RCF - Strip Rotor:	2,200 x g
Max Capacity:	
Microtube Rotor:	6 x 1.5 or 2mL
PCR Strip Rotor:	2 x 8 Strips or 16 x 0.2mL tubes
Dimensions (WxDxH):	5" x 5.4" x 3.9"
Operating Temp. Range:	+4°C to 50°C
Weight:	1.98 lbs (0.9 kg)
Electrical:	115V to 230 VAC, 50/60 HZ, 0.1A
Warranty:	1 Year



## HOT PLATE / MAGNETIC STIRRER

Globe Scientific's hot plate stirrer offers the benefit of having two separate machines built into one unit. The space-saving design makes it ideal for use on crowded benchtops and inside laboratory hoods. It features a ceramic work surface that is extremely durable and chemical resistant.

The front panel features convenient turn knobs for quick and precise adjustment of the speed and temperature. Safety LED lights indicate when the heating and stirring functions have been activated.

With a square 7.5 inches of work surface, the hotplate stirrer is compatible with a wide variety of glass beakers, flasks, bottles and other vessels. This model comes complete with a support rod for mounting thermometers and temperature probes.

Item #	Description
508	Hotplate Stirrer, 120V
508-230	Hotplate Stirrer, 230V
508-S	Stainless steel rod stand, 300mm
508-B	Teflon coated magnetic stir bar, 25mm

### SPECIFICATIONS:

Speed Range:	60-1500 rpm
Temperature Range:	Ambient +5° to 380°C
Platform:	7.5" x 7.5"
Control:	Quick adjustment knobs
Dimensions (WxDxH):	8" x 9" x 4.5"
Electrical Data:	120V, 60Hz 230V, 50/60 Hz
Warranty:	2 Years



Item #515



Item #518



Item #517

## DIGITAL DRY BATHS

Globe Scientific's digital dry baths keep samples at preset temperatures up to 150°C. They offer digital control over both temperature and time, eliminating the need for an external thermometer or timer. Three sizes are available to accommodate one, two or four blocks. The dry baths are extremely space efficient – with the largest size holding up to 96 x 1.5mL tubes and taking up less than a square foot of bench top space. The cavities of the aluminum blocks are precision machined to match the conical shape and size of 0.5mL, 1.5mL, 2mL, 15mL and 50mL tube sizes. Blocks are also available to fit popular test tube sizes. A solid block accommodates microscope slides, petri dishes and other shaped items.

The dry baths offer a built-in user recalibration function to guarantee long term temperature accuracy. Each dry bath comes with a block lifting tool with a temperature insulated handle, to quickly change blocks.



A wide assortment of dry bath blocks are available.  
*Note: All blocks are sold separately.*

Item #	Description
515	Digital Dry Bath, single position, 115V
515-230	Digital Dry Bath, single position, 230V
517	Digital Dry Bath, two position, 115V
517-230	Digital Dry Bath, two position, 230V
518	Digital Dry Bath, four position, 115V
518-230	Digital Dry Bath, four position, 230V
518-1	Solid block for slides and machining
518-2	Block, 24-place for 1.5mL micro tubes
518-3	Block, 24-place for 1.5 or 2mL micro tubes
518-4	Block, 24-place for 0.5mL micro tubes
518-5	Block, 12-place for 15mL tubes
518-6	Block, 20-place for 10mm test tubes or 2mL micro tubes
518-7	Block, 20-place for 13mm test tubes
518-8	Block, 5-place for 50mL centrifuge tubes
518-9	Block, 12-place for 15mm or 16mm tubes
518-41	Block for 0.5mL tubes or 6 PCR Strips of 8 tubes each, 48-place
518-71	Block, 20-place for 12mm or 13mm test tubes
518-PCR1	Block for PCR plate 96 x 0.2ml, skirted or non-skirted (for #515)
518-PCR2	Block for PCR plate 96 x 0.2ml, skirted or non-skirted (for #517 or #518)
518-MT	Block for micro titer plate, skirted or non-skirted (for #517 or #518)

### SPECIFICATIONS:

Temperature Range:	Amb. +5 to 150°C*
Temp. Resolution:	0.1°C
Temp. Accuracy:	+/- 0.2°C
Temp. Increments:	0.1°C
Temp. Uniformity:	+/- 0.2°C
Timer:	1 to 999 Minutes
Dimensions (WxDxH):	
Single:	7.8" x 9" x 3.2"
Two Position:	8.7" x 10.3" x 3.2"
Four Position:	8.7" x 14" x 3.2"
Block Dimensions (WxDxH):	3" x 3.75" x 2"
Chamber:	Fast heating aluminum
Operating Temp. Range:	+4°C to +65°C
Electrical:	115V AC, 60Hz 230V AC, 50 Hz
Warranty:	2 Years

\* Temp. range of 4-position dry bath is Amb. +5 to 130°C



### MINI INCUBATOR

The mini incubator provides even heating and uniformity using wrap-around heating elements. Control of heating and temperature stability are maintained by a hydraulic thermostat. A thermometer port is built into the top of the incubator. A large plexiglass window offers full visibility of the contents. One easy to clean shelf is included and can be placed at three different levels within the chamber. The corrosion resistant interior and sturdy, dependable construction provide a long, maintenance-free service life. The mini incubator can accommodate up to 48 petri dishes or 28 standard 96 well plates.

- Ideal for microbiology, tissue culture and hematology applications
- Corrosion resistant chamber
- Door with large viewing area
- Pilot light to indicate heating

Item #	Description
505	Mini Incubator, 115V
506	Mini Incubator, 230V
505-TP	Thermometer probe - for use with Mini Incubator

#### SPECIFICATIONS:

Exterior Dimensions (WxDxH):	11.2" x 11" x 13.2"
Interior Dimensions (WxDxH):	9" x 7.9" x 7.9"
Weight:	18.4 lb (8.3 kg)
Chamber Capacity:	0.375 cu. ft. (9.2L)
Temperature Range:	Ambient +5° to 60°C
Controls:	Analog
Stability:	±0.6°C at 37°C (N.I.S.T. traceable thermometer)
Electrical:	120V, 50/60Hz, 0.6A 230V, 50/60 Hz, 0.3A
Warranty:	1 Year



### 6 LITER MINI WATER BATH

The mini water bath provides 550W of heating power and is equipped with a pilot light to indicate heating mode. Accurate temperature stability is maintained by a hydraulic thermostat.

The stainless steel, seamless chamber is easy to clean and provides a worry-free service life. The water bath comes complete with a stainless steel gable cover to retain heat and minimize evaporation. A magnetic stainless steel clip is provided for suspending a thermometer from any location around the perimeter of the water bath.

The water bath accommodates plastic test tube racks and up to three 250mL Erlenmeyer flasks.

Item #	Description
510	Mini Water Bath with stainless steel cover and thermometer clip, 120V
511	Mini Water Bath with stainless steel cover and thermometer clip, 230V

#### SPECIFICATIONS:

Exterior Dimensions (W x D x H):	14" x 11" x 13"
Interior Dimensions (W x D x H):	12.6" x 6.7" x 6.9"
Weight:	17 lbs (7.7 kgs)
Chamber Capacity:	6 Liter
Temperature Range:	Ambient +5° to 100°C
Electrical:	120V - 50/60Hz, 4.8A 230V - 50/60Hz, 2.4A
Warranty:	1 Year



## EXCEPTIONAL QUALITY LAB SUPPLIES

Globe Scientific is a leading producer of high-quality laboratory plasticware, glassware and equipment. Our products are sold worldwide and are used in many industries including Clinical, Research, Hospital, Veterinary and Specialty markets.

- Analyzer consumables
- Bags
- Beakers
- Bench-top equipment
- Biohazard specimen bags
- Blood collection products
- Bottles
- Capillary tubes
- Centrifuge tubes
- Containers
- Cryogenic tubes
- Cylinders
- Cytology products
- Drug test containers
- Drying rack
- ESR systems
- Formalin filled containers
- Formalin neutralization
- Funnels
- Histology cassettes
- Inoculation loops
- Microhematocrit tubes
- Microscope slides
- Micro test plates
- Pathology containers
- Pipettors
- Pipette tips
- Racks
- Serological pipettes
- Slide mailers
- Test tubes
- Transfer pipets
- Urinalysis
- Weighing dishes

[www.globescientific.com](http://www.globescientific.com)

### **Globe Scientific Inc.**

610 Winters Avenue • Paramus, New Jersey 07652 • USA

### **Customer service, sales and technical support:**

Phone 1 (800) 394-4562 • 1 (201) 599-1400

Fax 1 (201) 599-1406

E-mail [mail@globescientific.com](mailto:mail@globescientific.com)

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