



OMNI International

The Homogenizer Company

Catalog 2007



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Multi-Sample
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p. 14





OMNI
International
The Homogenizer Company

INNOVATIVE SOLUTIONS

Since the introduction of the **Omni Mixer** in 1952, **Omni International** has been the innovative leader in lab productivity and homogenizing performance. Omni was the first company to offer a line of convenient hand-held homogenizers, including cordless battery operated units and generator probes small enough to be used within micro tubes. Omni was the first company to manufacture the patented plastic **Omni Tip Generator Probes**, which are designed to be disposed of after each use to completely eliminate cross contamination between samples! Omni's versatile **Mixer Line** utilizes unique cutting blades and rotor-stator generator probes that are interchangeable within the same aerosol-sealed containers. Customer demand led Omni to introduce the first programmable homogenizer with computer interfacing capabilities, the **Omni Macro-ES**.

Omni is dedicated to delivering the highest quality homogenizers including our new **Omni-Ruptor Ultrasonic Homogenizer** line, and our economical **Tissue Master** product line for a variety of research and development applications with all types of samples ranging in volume from 0.3ml to >200L batches.

CUSTOMER SERVICE

At Omni we are always interested in speaking with our customers and we encourage you to contact us for application assistance or product recommendations. To ensure your satisfaction and success with Omni products, **we offer free, no-risk product evaluation demonstrations in your own facility.**

QUALITY AND CONVENIENCE

Omni products offer the most cost-effective choice for quality, service, and convenience to effectively and efficiently process all types of sample preparation applications, usually in 30 seconds or less. We offer the broadest choice of accessories to process the widest range of samples with user-friendly designs that are easy to clean and maintain. They are also backed by years of solution-based experience and excellent customer service.

Discover for yourself the many benefits that an Omni system has to offer.

HOW TO ORDER

Email: omni@omni-inc.com

Phone: 1(800) 776-4431
1(770) 421-0058

8:00 AM – 5:00 PM EST,
Monday – Friday

Fax: 1(770) 421-0206
24 hours a day

Mail: 1000 Williams Drive, Suite 1024
Marietta, GA 30066

Website: www.omni-inc.com

PAYMENT OPTIONS

1. Purchase Orders
2. Check or Money Orders
3. We accept the following credit cards:



WWW.OMNI-INC.COM
PHONE: 1-800-776-4431

E-MAIL: OMNI@OMNI-INC.COM
FAX: 1-770-421-0206

FEATURED PRODUCTS



OMNI PREP HOMOGENIZING SYSTEM

Programmable Multi-Probe Homogenizer

The **Omni Prep** Multi-Sample Homogenizer lets you do the work of 6 people with the touch of a button! No need to hold a motor, watch the clock, clean the probes, or worry about sample loss or cross contamination.

- 6 sample simultaneous processing
- Operates exclusively with Omni Tip™ Plastic Probes
- Movable rack for highly efficient processing
- Processing range from 0.25mL – 30mL

See Page 23 for more information.



OMNI TIP PLASTIC GENERATOR PROBES

Eliminate Cross-Contamination Between Samples

Omni Tip™ Probes are available in both soft tissue and hard tissue versions. Omni Tips are reusable (autoclavable) and can be disposed of after each use to eliminate cross-contamination.

- Ideal for all small tissue samples
- Disposable, reusable, and sealed
- Economical
- Processing range from 0.25mL – 30mL

See Page 18 for more information.



OMNI TIP HOMOGENIZING KITS

Everything You Need To Homogenize

The **Omni Tip™ Kit** includes: an Omni TH motor, Omni Tip Adapter, 12 Hard or Soft tissue Omni Tip™ Plastic Probes, convenient storage case, tool kit, and instruction manual.

- Eliminate cross contamination with Omni Tip plastic probes
- Designs for Hard Tissue or Gentle Deaggregation
- Convenient and economical
- Available with optional stainless steel probes

See Page 20 for more information.



FEATURED PRODUCTS



OMNI RUPTOR ULTRASONIC HOMOGENIZER

Maximum Efficiency Ultrasonic Homogenizing

The **Omni Ruptor Ultrasonic Homogenizer** offers precision engineering with all the features necessary to create a total system for ultrasonic disruption.

- Auto tuning for optimal efficiency
- Power indicator for accurate, reproducible results
- 250 watt and 400 watt models
- Available with integrated sound control chamber

See Page 27 for more information.



OMNI TISSUE MASTER

Economical Homogenizing System

The **Omni Tissue Master** value homogenizer line is extremely economical and is designed to process most tissue samples easily in under a minute.

- Value priced
- Easy to use and clean
- Reliable performance
- Cordless model available

See Page 12 for more information.



OMNI MIXER HOMOGENIZERS

Versatile, Powerful, Reliable Homogenizing

Omni Mixer Homogenizers offer the perfect mix of dependability, versatility, and power. Accessories include a variety of aerosol sealed containers and stainless steel generator probes.

- 600 watt to 1,800 watt motors
- 50 year history
- 3 year motor warranty
- Wide variety of processing accessories

See Page 14 for more information.



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OMNI μ H, MICRO HOMOGENIZER

Rechargeable Battery Operated Hand Held Homogenizer
Processing Range: 0.03mL-100mL

The **Omni μ H (Micro Homogenizer)** is ergonomically designed to reduce hand strain during extended periods of operation, or it can be post-mounted to an optional stand assembly. The Omni μ H is battery powered or available with an optional power transformer for extended use. Process samples in less than 30 seconds. Optional Omni Tip™ disposable generator probes eliminate the risk of cross contamination between multiple samples. This motor is compatible with 5, 7, and 10mm diameter generator probes.



Product Features:

- Ultra light 11oz. weight for extended hand-held processing
- 35 watt motor
- Battery operated or optional power transformer for extended use
- Finely adjustable speed control with optional transformer
- 25,000 rpm and 30,000 rpm pulse processing power
- Very quiet operation, under 65db
- CSA and CE approved

Includes 35 watt motor, 1 year motor warranty, battery pack, charger, tool kit and manual.
*Omni Tips™ and Stainless Steel Generator Probes sold separately.**

Omni μ H, Micro Homogenizer



ORDER #	PRODUCT DESCRIPTION
H115	115 volt Omni Micro Homogenizer
H220	220 volt Omni Micro Homogenizer



*See Page 18 for Omni Tip™ Plastic Probes
See Page 31 for Stainless Steel Generator Probes

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PHONE: 1-800-776-4431 FAX: 1-770-421-0206

Complete Micro-H Package

Includes:

- 115 volt or 220 volt μ H
- 3 Stainless Steel Generator Probes
(5x95mm flat bottom, 7x95mm saw tooth, 10x95mm saw tooth)
- Battery Pack and Charger
- Powerbase transformer/speed control.



ORDER #	PRODUCT DESCRIPTION
HP115	Complete Micro-H Package 115
HP220	Complete Micro-H Package 220

Powerbase Transformer/Speed Control

Convert the Micro-H into a powerful, direct drive homogenizer with variable speed control from 5,000 to 30,000 rpm. It also serves as a convenient storage shelf for motor unit and 3 generator probes.



ORDER #	PRODUCT DESCRIPTION
PB115	115 volt Optional Powerbase
PB220	220 volt Optional Powerbase

Omni μ H Spare Battery Pack



ORDER #	PRODUCT DESCRIPTION
H1160	Optional Spare Battery Pack

Motor Stand Assembly

19" tall with a 5" x 8" stainless steel base plate



ORDER #	PRODUCT DESCRIPTION
S1000	Optional Motor Stand Assembly For post mounted operation
S0040	Optional Cross Rod For mounting motor to any ring stand

Stand and Motor sold separately

*See Page 18 for Omni Tip™ Plastic Probes
See Page 31 for Stainless Steel Generator Probes



OMNI TH, TISSUE HOMOGENIZER

Hand Held or Post Mountable Homogenizer
Processing Range: 0.03mL-100mL

The **Omni TH (Tissue Homogenizer)** is ergonomically designed to reduce hand strain during extended periods of operation, or it can be post-mounted to an optional stand assembly. The TH usually processes samples in less than 30 seconds. Optional Omni Tip™ disposable generator probes eliminate the risk of cross contamination between multiple samples. This motor is compatible with 5, 7, and 10mm diameter generator probes.



Product Features:

- Powerful 125 watt motor
- Light weight ergonomic design
- ¼ turn bayonet probe mounting system for fast release
- Quiet operation, under 72db
- Variable speed control from 5,000 to 35,000 rpm
- Available in convenient Omni Tip Homogenizing Kits. See page 18.
- CSA and CE approved

Includes 125 watt motor, 1 year motor warranty, tool kit and instruction manual.
*Omni Tips™ and Stainless Steel Generator Probes sold separately.**

Omni TH, Tissue Homogenizer



ORDER #	PRODUCT DESCRIPTION
TH115	115 volt Omni Tissue Homogenizer
TH220	220 volt Omni Tissue Homogenizer

*See Page 18 for Omni Tip™ Plastic Probes
See Page 31 for Stainless Steel Generator Probes
See Page 20 for Omni Tip Kit Information





Complete TH Package

Includes:

- 115 volt or 220 volt TH
- 3 Stainless Steel Generator Probes
(5x95mm flat bottom, 7x95mm saw tooth, 10x95mm saw tooth)
- Motor Stand Assembly

ORDER #	PRODUCT DESCRIPTION
THP115	Complete TH Package 115
THP220	Complete TH Package 220



Omni TH with Motor Stand Assembly

Includes:

- 115 volt or 220 volt TH
- Motor Stand Assembly

ORDER #	PRODUCT DESCRIPTION
TH115-K	115 volt Tissue Homogenizer with Motor Stand Assembly
TH220-K	220 volt Tissue Homogenizer with Motor Stand Assembly



Motor Stand Assembly

19" tall with a 5" x 8" stainless steel base plate

ORDER #	PRODUCT DESCRIPTION
S1000	Optional Motor Stand Assembly For post mounted operation
S0040	Optional Cross Rod For mounting motor to any ring stand

Stand and Motor sold separately



*See Page 18 for Omni Tip™ Plastic Probes
See Page 31 for Stainless Steel Generator Probes

OMNI GLH, GENERAL LAB HOMOGENIZER

Versatile Hand Held or Post Mountable Homogenizer
Processing Range: 0.03mL-10L

The **Omni GLH (General Lab Homogenizer)** is a versatile heavy-duty homogenizer that can handle virtually any chore from dispersion and tissue processing to cell disruption and emulsion preparation. It can be hand held or post mounted for hands-free operation. An optional Vessel Restraint Disk prevents splashing and vortexing. An External Speed Control is also available for remote operation beneath a fume hood. This motor is compatible with 5, 7, 10, 20, 32, and 35mm diameter generator probes.



Product Features:

- Powerful 700 watt motor
- ¼ turn bayonet probe mounting system for fast release
- Quiet operation, under 72db
- General purpose homogenizer with a broad range of accessories
- Variable motor speed control from 5,000 to 28,000rpm
- On/Off switch for repeatable speed settings
- Process most samples in seconds.
- CSA and CE approved

Includes 700 watt motor, 1 year motor warranty, tool kit and instruction manual.
*Omni Tips™ and Stainless Steel Generator Probes sold separately.**

Omni GLH, General Lab Homogenizer



ORDER #	PRODUCT DESCRIPTION
GLH115	115 volt Omni General Lab Homogenizer
GLH220	220 volt Omni General Lab Homogenizer



*See Page 18 for Omni Tip™ Plastic Probes
See Page 31 for Stainless Steel Generator Probes

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Complete GLH Package

Includes:

- 115 volt or 220 volt GLH
- 3 Stainless Steel Generator Probes
(10x195mm saw tooth, 20x195mm saw tooth, 35x195mm flat bottom)
- Motor Stand Assembly

ORDER #	PRODUCT DESCRIPTION
GLHP115	Complete GLH Package 115
GLHP220	Complete GLH Package 220



External Speed Control

Allows for remote control of speeds from 0 to 28,000 rpm.

ORDER #	PRODUCT DESCRIPTION
SC115	115 volt External Speed Control
SC220	220 volt External Speed Control



Vessel Restraint Disk

The Vessel Restraint Disk can be used to help reduce splashing and contain aerosols during homogenization. This accessory is compatible with 20mm and larger diameter rotor-stator generator probes and with containers up to six inches in diameter. It also helps secure the container during processing.

ORDER #	PRODUCT DESCRIPTION
LT-750	Vessel Restraint Disk



Motor Stand Assembly

19" tall with a 5" x 8" stainless steel base plate

ORDER #	PRODUCT DESCRIPTION
S1000	Optional Motor Stand Assembly For post mounted operation
S0040	Optional Cross Rod For mounting motor to any ring stand

Stand and Motor sold separately



*See Page 18 for Omni Tip™ Plastic Probes
See Page 32 for Stainless Steel Generator Probes

OMNI TISSUE MASTER

Economical Homogenizing System
Processing Range: 0.25mL-30mL

The **Omni Tissue Master™** value homogenizer line is extremely economical and is designed to process most tissue samples easily in under one minute. For added convenience, a portable/ cordless model is available.

Product Features:

- Includes 7mm x 85mm stainless steel rotor stator processing probe
- Most samples processed in under one minute
- Easy to clean and disassemble
- Variable motor speed control from 5,000 to 35,000rpm
- Portable and light weight
- Hand Held or Stand Mountable
- Quiet operation, under 72 db
- CSA, UL and CE approved



Includes 50, 125, or 240 watt motor, 7mm generator probe, 1 year motor warranty, tool kit.



Tissue Master 125 Homogenizer

- 125 watt motor
- 7mm generator probe included

ORDER #	PRODUCT DESCRIPTION
TM125-115	115 volt Omni Tissue Master 125
TM125-220	220 volt Omni Tissue Master 125





Tissue Master 50 Homogenizer

- 50 watt, 10.8 volt motor
- Battery operated, includes charger
- 7mm generator probe included

ORDER #	PRODUCT DESCRIPTION
TM50-115	115 volt Omni Tissue Master 50.
TM50-220	220 volt Omni Tissue Master 50



Tissue Master 240 Homogenizer

- 240 watt motor
- 7mm generator probe included

ORDER #	PRODUCT DESCRIPTION
TM240-115	115 volt Omni Tissue Master 240 (Note: Not available in a 220 volt model)



Tissue Master Stand Assembly

- For post mounted operation
- For Tissue Master 50, 125, and 240
- 19" tall with a 5" x 8" durable base plate

ORDER #	PRODUCT DESCRIPTION
F22000	Optional Motor Stand Assembly

Stand and Motor sold separately



OMNI MIXER HOMOGENIZING SYSTEMS

Processing Range: 0.03mL-50L

Omni Mixer and **Omni Macro** Homogenizers offer the perfect mix of dependability, versatility, and power. Aerosol-safety sealed containers are available in a variety of materials (stainless steel, glass, plastic). Interchangeable blades and rotor-stator generators process a wide range of samples within the same container. Process sample volumes ranging from 0.03mL to 50L with speeds ranging from 500 to 20,000 rpm.

Product Features:

- 3 year motor warranty
- Powerful 600 or 1,800 watt motor choice
- Variable speed control 500 to 20,000 rpm
- Accessories include generator probes, cutting blades, and sealed chambers
- Accessories compatible with all Omni Mixers built within the last 50 years
- Quiet operation
- On/Off switch for repeatable speed settings
- CSA and CE approved



Includes motor with variable speeds, 3 year motor warranty, motor stand assembly, generator probe adapter, tool kit and instruction manual. *Aerosol Sealed Chambers and Generator Probes sold separately.**



Omni Mixer Homogenizer

- 600 watt motor with variable speeds from 500 to 18,000 rpm
- For processing 0.03mL-10L

ORDER #	PRODUCT DESCRIPTION
17105	115 volt Omni Mixer Homogenizer
17106	220 volt Omni Mixer Homogenizer



*See Page 32 for Stainless Steel Generator Probes
See Pages 33-35 for Aerosol Sealed Chamber Assemblies

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Omni Macro Homogenizer

- 1,800 watt motor with variable speeds from 1,000 to 20,000 rpm
- For processing 0.03mL-50L

ORDER #	PRODUCT DESCRIPTION
17505	115 volt Omni Macro Homogenizer
17506	220 volt Omni Macro Homogenizer

17215



Quick Connect (QC) Coupling Assembly for Omni Mixer, Macro, Macro ES

The Quick Connect Assembly makes the Omni Mixer homogenizers even more convenient to use. The QC is easy to install. It comes standard on the Omni Macro-ES. To use, attach a Quick Connect Adapter to your chamber assembly or generator probe. Next, slide the Adapter into the Quick Connect Coupling and a retaining ring positions into place for a secure hold. To disconnect, simply slide the ring upward and the processing accessory is conveniently released.

17210



ORDER #	PRODUCT DESCRIPTION
17215	Quick Connect Kit (Includes QC Assembly and 3 QC Adapters)

17204



17210	Quick Connect Coupling (Requires one per motor unit)
17204	Quick Connect Adapter (Requires one per generator or accessory)



Vessel Restraint Disk

The Vessel Restraint Disk can be used to help reduce splashing and contain aerosols during homogenization. This accessory is compatible with 20mm and larger diameter rotor-stator generator probes and with containers up to six inches in diameter. It also helps secure the container during processing.

ORDER #	PRODUCT DESCRIPTION
LT-750	Vessel Restraint Disk



*See Page 33 for Stainless Steel Generator Probes
See Pages 34-36 for Aerosol Sealed Chamber Assemblies

OMNI MACRO-ES HOMOGENIZER

Processing Range: 0.03mL-50L

The **Omni Macro-ES** Homogenizer is a programmable, 1,800 watt motor unit. It offers the perfect mix of programmability, versatility, and power. The digital speed display allows for additional reproducibility.

Product Features:

- Compatible with all Omni Mixer Accessories
- Powerful 1,800 watt motor
- Quick Connect coupling assembly included
- Ideal for lab automation, pilot scale or small batch applications
- Speed control from 1,000 to 20,000 rpm maintains constant speed over wide operating range for accurate (+/-1/2%) repeatability
- Store up to 12 complex programs with multiple speed, time, and ramp functions
- Accessories include generator probes, cutting blades, and sealed chambers
- Optional RS-232 computer interface and windows program
- 32 digit alpha numeric display
- 3 year motor warranty
- Movable platform stand
- Quiet 68 db operation at maximum speed
- CSA and CE approved



Includes 1,800 watt motor with variable speeds, 3 year motor warranty, motor stand assembly, Quick Connect coupling assembly, 2 Quick Connect Adapters, generator probe adapter, tool kit and instruction manual. Chamber Assemblies and Generator Probes sold separately.*



Omni Macro-ES Homogenizer

ORDER #	PRODUCT DESCRIPTION
MES-115	115 volt Omni Macro-ES Homogenizer
MES-220	220 volt Omni Macro-ES Homogenizer
MESP-115	Complete MES Package Includes 115 volt MES and 3 Generator Probes (20x195mm saw tooth, 35x195mm flat, 45x195mm flat)
MESP-220	Complete MES Package Includes 220 volt MES and 3 Generator Probes (20x195mm saw tooth, 35x195mm flat, 45x195mm flat)



*See Page 32 for Stainless Steel Generator Probes
See Pages 33-35 for Aerosol Sealed Chamber Assemblies

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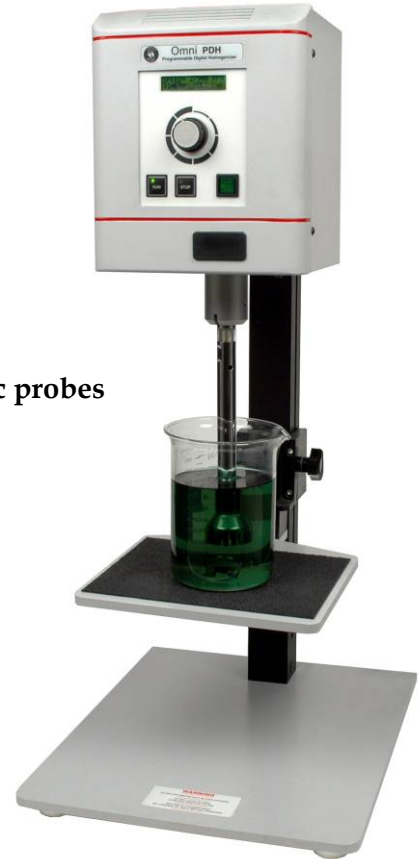
OMNI PDH, PROGRAMMABLE DIGITAL HOMOGENIZER

Processing Range: 0.03mL-10L


The **Omni PDH** is a programmable, 700 watt motor unit, ideal for a wide range of applications. The digital speed display allows for additional reproducibility and ease of use.

Product Features:

- Compatible with EZ Connect Accessories & Omni Tip™ plastic probes
- Powerful 700 watt motor
- Ideal for lab automation, pilot scale or small batch applications
- Speed control from 500 to 28,000 rpm maintains constant speed over wide operating range for accurate (+/-1/2%) repeatability
- Store up to 12 complex programs with multiple speed, time, and ramp functions
- Optional RS-232 computer interface and windows program
- 32 digit alpha numeric display
- 1 year motor warranty
- Movable platform stand
- Quiet 68 db operation at maximum speed
- CSA and CE approved



Includes 700 watt motor with variable speeds, 1 year motor warranty, motor stand assembly, tool kit and instruction manual. *Generator Probes sold separately.**

	Omni PDH	ORDER #	PRODUCT DESCRIPTION
		PDH-115	115 volt Omni PDH Homogenizer
		PDH-220	220 volt Omni PDH Homogenizer
		PDHP-115	Complete PDH Package Includes 115 volt PDH and 3 Generator Probes (10x195mm saw tooth, 20x195mm saw tooth, 35x195mm flat)
		PDHP-220	Complete PDH Package Includes 220 volt PDH and 3 Generator Probes (10x195mm saw tooth, 20x195mm saw tooth, 35x195mm flat)



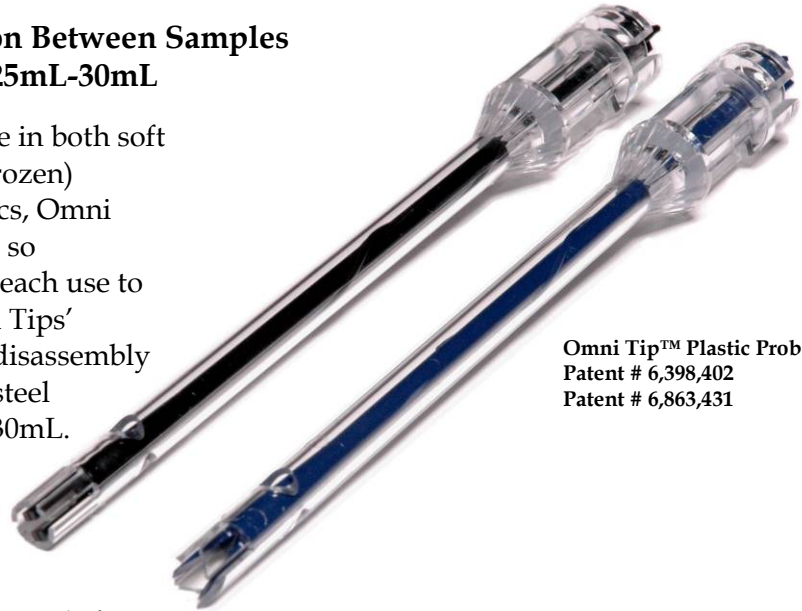
*See Page 31 for Stainless Steel Generator Probes
Sealed Chamber Assemblies are available for the PDH as special order items.

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OMNI TIP™ PLASTIC GENERATOR PROBES

Eliminate Cross-Contamination Between Samples
Processing Range: 0.25mL-30mL

Versatile **Omni Tip™ Probes** are available in both soft tissue (deaggregation) and hard tissue (frozen) versions. Engineered from durable plastics, Omni Tips™ are reusable (autoclavable) and are so economical they can be disposed of after each use to eliminate cross contamination. The Omni Tips' patented design eliminates the hassle of disassembly and maintenance of traditional stainless steel generators. Treatable volume 0.25mL to 30mL.



Omni Tip™ Plastic Probes
Patent # 6,398,402
Patent # 6,863,431

Product Features:

- Eliminate cross contamination by disposal after use
- Ideal for PCR, DNA, and RNA blot analysis
- Clear stator tube assures that valuable sample is not trapped or lost in probe
- Reusable and autoclavable up to 7 times
- Can be cleaned, disinfected, and sterilized for extended use
- Simple two piece construction for very easy cleaning
- 80% less protein residue after cleaning than with stainless steel generator probes
- Fraction of the cost of stainless steel generator probes
- Ideal and cost effective for processing multiple samples
- Compatible with μ H, TH, GLH, PDH, and Omni Prep homogenizers





Omni Deaggregation Tips, 110mm Length

For processing liquids, soft tissues, and samples that require gentle processing.



ORDER #	PRODUCT DESCRIPTION
30750	25 Omni Deaggregation Tips
32750	50 Omni Deaggregation Tips
34750	100 Omni Deaggregation Tips
35750	500 Omni Deaggregation Tips*



Omni Hard Tissue Tips, 110mm Length

For processing hard or frozen tissue samples.



ORDER #	PRODUCT DESCRIPTION
30750H	25 Omni Hard Tissue Tips
32750H	50 Omni Hard Tissue Tips
34750H	100 Omni Hard Tissue Tips
35750H	500 Omni Hard Tissue Tips*



Omni Tip Adapter

Required when using Omni Tips with the Omni μ H, TH, GLH, and PDH Homogenizers

ORDER #	PRODUCT DESCRIPTION
A1000SB	Omni Tip Adapter



Sealed Conical and Flat Bottom Tubes



ORDER #	PRODUCT DESCRIPTION
00-2015-25	25 Plastic conical bottom tubes with sealed cap, 15mL
00-2050-25	25 Plastic conical bottom tubes with sealed cap, 50mL
00-2004-25	25 Glass flat bottom tubes with sealed cap, 4mL
00-2008-25	25 Glass flat bottom tubes with sealed cap, 8mL

Note: Sealed tubes are designed as a secondary means of protection.
Always use appropriate measures when processing pathogens.

*Call for larger quantities





OMNI TIP HOMOGENIZING KIT

Everything You Need To Homogenize
Processing Range: 0.03mL-100mL

The cost effective **Omni Tip™ Kit:**

Omni TH™ Motor with variable speeds from 5,000 to 35,000 rpm , Omni Tip™ Adapter, 12 Hard or Soft tissue Omni Tips™ , convenient storage case, tool kit, and instruction manual. Also available with optional stainless steel probes.



Omni Tip Kit (For Deaggregation and Hard Tissue processing)

Each Kit includes Omni Tissue Homogenizer (TH), Omni Tip Adapter, 6 Deaggregation and 6 Hard Tissue Omni Tips™, storage case, tool kit, and manual. Kits are also available with Stainless Steel probes.

ORDER #	PRODUCT DESCRIPTION
TH115-PCR	Omni Tip Kit with 115 volt Omni TH and 6 Soft and 6 Hard Tissue Omni Tips
TH220-PCR	Omni Tip Kit with 220 volt Omni TH and 6 Soft and 6 Hard Tissue Omni Tips



*See page 9 for additional Omni TH accessories.

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OMNI TIP DEAGGREGATION HOMOGENIZING KIT



Deaggregation Omni Tip Kit (For gentle processing)

Each Kit includes Omni Tissue Homogenizer (TH), Omni Tip Adapter, 12 Deaggregation Omni Tips™, storage case, tool kit, and manual. Kits are also available with Stainless Steel probes.

ORDER #	PRODUCT DESCRIPTION
TH115-PCRD	Omni Tip Kit with 115 volt Omni TH and 12 Omni Tips
TH220-PCRD	Omni Tip Kit with 220 volt Omni TH and 12 Omni Tips
TH115-PCR5D	Omni Tip Kit with 115 volt Omni TH, 12 Omni Tips and 5x95mm stainless steel generator probe
TH220-PCR5D	Omni Tip Kit with 220 volt Omni TH, 12 Omni Tips and 5x95mm stainless steel generator probe
TH115-PCR7D	Omni Tip Kit with 115 volt Omni TH, 12 Omni Tips and 7x95mm stainless steel generator probe
TH220-PCR7D	Omni Tip Kit with 220 volt Omni TH, 12 Omni Tips and 7x95mm stainless steel generator probe
TH115-PCR10D	Omni Tip Kit with 115 volt Omni TH, 12 Omni Tips and 10x95mm stainless steel generator probe
TH220-PCR10D	Omni Tip Kit with 220 volt Omni TH, 12 Omni Tips and 10x95mm stainless steel generator probe



*See page 9 for additional Omni TH accessories.

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OMNI TIP HARD TISSUE HOMOGENIZING KIT



Hard Tissue Omni Tip Kit (For tough or frozen tissue processing)

Each Kit includes Omni Tissue Homogenizer (TH), Omni Tip Adapter, 12 Hard Tissue Omni Tips™, storage case, tool kit, and manual. Kits are also available with Stainless Steel probes.

ORDER #	PRODUCT DESCRIPTION
TH115-PCRH	Omni Tip Kit with 115 volt Omni TH and 12 Hard Tissue Omni Tips
TH220-PCRH	Omni Tip Kit with 220 volt Omni TH and 12 Hard Tissue Omni Tips
TH115-PCR5H	Omni Tip Kit with 115 volt Omni TH, 12 Hard Tissue Omni Tips and 5x95mm stainless steel generator probe
TH220-PCR5H	Omni Tip Kit with 220 volt Omni TH, 12 Hard Tissue Omni Tips and 5x95mm stainless steel generator probe
TH115-PCR7H	Omni Tip Kit with 115 volt Omni TH, 12 Hard Tissue Omni Tips and 7x95mm stainless steel generator probe
TH220-PCR7H	Omni Tip Kit with 220 volt Omni TH, 12 Hard Tissue Omni Tips and 7x95mm stainless steel generator probe
TH115-PCR10H	Omni Tip Kit with 115 volt Omni TH, 12 Hard Tissue Omni Tips and 10x95mm stainless steel generator probe
TH220-PCR10H	Omni Tip Kit with 220 volt Omni TH, 12 Hard Tissue Omni Tips and 10x95mm stainless steel generator probe



*See page 9 for additional Omni TH accessories.

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OMNI PREP HOMOGENIZING SYSTEM

Programmable Multi-Probe Homogenizer
Processing Range: 0.25mL-30mL

The **Omni Prep** Multi-Sample Homogenizer lets you do the work of six people with the touch of a button! No need to hold a motor, watch the clock, clean the probes, or worry about sample loss or cross contamination.

Product Features:

- Process up to 6 samples per cycle and up to 250 samples per hour
- Operates exclusively with Omni Tip™ plastic probes
- Variable speed control from 500 to 30,000 rpm
- Positive airflow that can be exhausted to a HEPA-filter or fume hood
- Process most samples in under one minute
- Low power usage (>150 watt)
- Programmable time and speed (3 stored programs)
- Sealed and open vessel processing configurations
- Quiet operation, under 75db
- Clear, removable door
- Movable rack for efficient processing
- Optional Ice Tray for frozen samples
- CE approved



Note: Movable Rack, Omni Tips, and tube holders sold separately.*



Omni Prep Multi-Sample Homogenizer

ORDER #	PRODUCT DESCRIPTION
06-021	115/220 volt Omni Prep Homogenizer





Processing Rack

Movable for highly efficient processing

ORDER #	PRODUCT DESCRIPTION
06-220	Processing Rack for Omni Prep

2mL



15mL



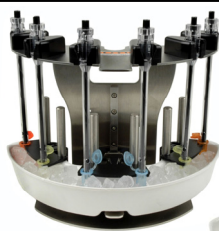
50mL



Rack Tube Holder

Tube holders are available for 2mL, 15mL, and 50mL sample tubes. Custom tube holder sizes are also available. Each holder holds 2 samples tubes.

ORDER #	PRODUCT DESCRIPTION
06-209-02	Rack Tube Holder for 2mL
06-209-15	Rack Tube Holder for 15mL
06-209-50	Rack Tube Holder for 50mL



Ice Tray

Keeps frozen and sensitive samples cold during processing
For 1.5mL and 2 mL tube sizes only.

ORDER #	PRODUCT DESCRIPTION
06-207	Ice Tray for Omni Prep

Ice tray and rack sold separately



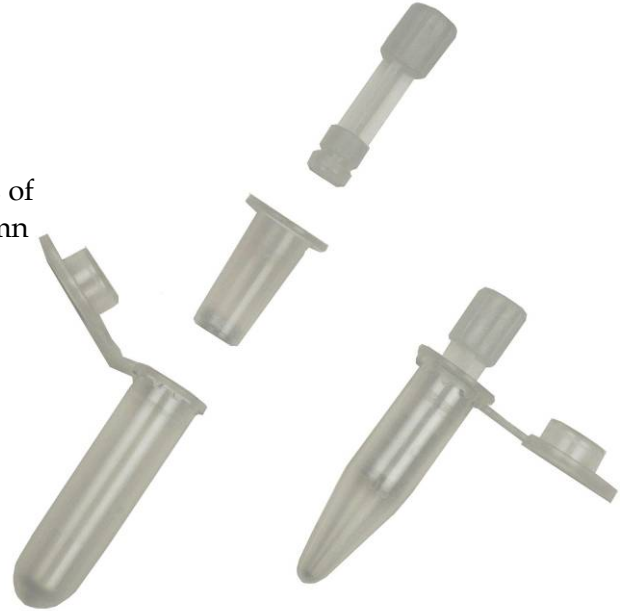
*See Page 18 for Omni Tip™ Plastic Probes

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PHONE: 1-800-776-4431 FAX: 1-770-421-0206

BIOMASHER

Single Use Homogenizer
Processing Range: 0.03mL-2mL

The **BioMasher™** is an essential tool for any researcher working with nucleic acid extraction, protein extraction, and many types of cell disruption. Its proprietary design consists of a homogenizer for grinding your sample, an 80-145µm column for straining, and a collection tube to contain the final homogenate. This system can be used on a wide variety of tissues, and is an ideal preparatory step of amplification and other downstream applications. BioMashers are also autoclavable for sterile applications.



Product Features:

- Ideal for nucleic acid extraction, protein extraction, and many types of cell disruption
- Consists of a homogenizer for grinding, an 80-145µm column for straining, and a collection tube to contain the final homogenate
- Tubes available in 1.5mL or 2mL sizes
- Available with an O-Ring for soft samples and without an O-Ring for harder tissues
- Ideal for sample preparation in conjunction with Omni Tip™ plastic probes

BioMasher Single Use Homogenizer



ORDER #	PRODUCT DESCRIPTION
09-A10-050	BioMasher 1.5mL – 50 Pack
09-A10-300	BioMasher 1.5mL – 300 Pack
09-A11-050	BioMasher 1.5mL O-Ring – 50 Pack
09-A11-300	BioMasher 1.5mL O-Ring – 300 Pack
09-A12-050	BioMasher 2mL – 50 Pack
09-A12-300	BioMasher 2mL – 300 Pack
09-A13-050	BioMasher 2mL O-Ring – 50 Pack
09-A13-300	BioMasher 2mL O-Ring – 300 Pack

Sample packs are also available. Call for pricing.



OMNI RUPTOR ULTRASONIC HOMOGENIZERS

250 or 400 Watt Max Power (20kHz System)
Processing Range: 0.25mL-1000mL

The **Omni Ruptor 250 & 400 Ultrasonic Homogenizers** offer precision engineering with all the features necessary to create a total system for ultrasonic disruption. They can disintegrate most cells, bacteria, spore or tissue. The Omni Ruptor can prepare an emulsion down to 1/100 of a micron, homogenize "immiscible" liquids, accelerate enzymatic and chemical reactions, stimulate bacterial activity, disperse solids in liquids and degas liquids.

Product Features:

- Variable power supply
- Auto-tuning for optimal processing efficiency
- Power-emitted display for accuracy and repeatability
- 0-15 minute timer
- Tips compatible with most 20kHz systems
- Pulse mode for sensitive samples
- Includes stand to hold generator
- Two year control unit warranty



Includes 250 or 400 watt control unit and transducer with variable power output, stand, 2 year warranty, tool kit and instruction manual. *Tips and Accessories sold separately.**

Omni Ruptor Ultrasonic Homogenizers (250 watt or 400 watt)



ORDER #	PRODUCT DESCRIPTION
OR250-115	115 volt Omni Ruptor 250 Ultrasonic Homogenizer
OR250-220	220 volt Omni Ruptor 250 Ultrasonic Homogenizer
OR400-115	115 volt Omni Ruptor 400 Ultrasonic Homogenizer
OR400-220	220 volt Omni Ruptor 400 Ultrasonic Homogenizer



*See Page 28-29 for Omni Ruptor Accessories

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OMNI RUPTOR 4000 ULTRASONIC HOMOGENIZER

400 Watt Max Power (20kHz System)
Processing Range: 0.25mL-1000mL

The **Omni Ruptor 4000 Ultrasonic Homogenizer** has an integrated Sound Control Chamber to contain much of the cavitation sound emitted during processing. It offers precision engineering with all the features necessary to create a total system for ultrasonic disruption. The Omni Ruptor can disintegrate most cells, bacteria, spore or tissue. It can also prepare an emulsion down to 1/100 of a micron, homogenize "immiscible" liquids, accelerate enzymatic and chemical reactions, stimulate bacterial activity, disperse solids in liquids and degas liquids.

Product Features:

- Integrated Sound Abating Chamber with Clear Plexiglas Door
- Maximum power ultrasonic homogenizer
- Auto-tuning for optimal processing efficiency
- Power-emitted display for accuracy and repeatability
- 0-15 minute timer
- Tips compatible with most 20kHz systems
- Pulse mode for sensitive samples
- Two year control unit warranty



Includes 400 watt control unit and integrated Sound Control Chamber with variable power output, 2 year warranty, tool kit and instruction manual. *Tips sold separately.**



Omni Ruptor 4000 Ultrasonic Homogenizer

ORDER #	PRODUCT DESCRIPTION
OR4000-115	115 volt Omni Ruptor 4000 Ultrasonic Homogenizer
OR4000-220	220 volt Omni Ruptor 4000 Ultrasonic Homogenizer



*See Page 28-39 for Omni Ruptor Accessories

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Sound Abatement Chamber

The Sound Abatement Chamber contains much of the cavitation sound emitted by the Omni Ruptor 250 and 400 during processing. The Sound Abatement Chamber is recommended for applications that require extended operation. A clear Plexiglas door permits viewing of the sample while protecting the operator against accidental splashing. An access port for tubing is also provided for use with the accessory cooling jacket or continuous flow chamber. *For use with the Omni Ruptor 250 and 400.*

ORDER #	PRODUCT DESCRIPTION
OR-A-01	Sound Abatement Chamber



Micro Processing Tip

5/32" (3.8mm) diameter, 10.1" (25.6cm) length. Very High intensity, 250µL-10mL processing volume. Solid Titanium construction.

ORDER #	PRODUCT DESCRIPTION
OR-T-156	5/32" Micro Processing Tip



Intermediate Processing Tip

3/8" (9.5mm) diameter, 8.6" (21.8cm) length. High intensity, 10mL-250mL processing volume. Solid Titanium construction.

ORDER #	PRODUCT DESCRIPTION
OR-T-375	3/8" Intermediate Processing Tip



Standard Processing Tip

3/4" (19mm) diameter, 4.1" (10.5cm) length. Medium intensity, 25mL-500mL processing volume. Solid Titanium construction.

ORDER #	PRODUCT DESCRIPTION
OR-T-750	3/4" Standard Processing Tip



Full Size Processing Tip

1" (25.4mm) diameter, 4.85" (12.3cm) length. Low intensity, 50mL-1000mL processing volume. Solid Titanium construction.

ORDER #	PRODUCT DESCRIPTION
OR-T-1000	1" Full Size Processing Tip





250mL Cup Tip

The 250mL cup tip consists of a solid titanium rod of 2" diameter with a 250mL cavity machined into one end. The cup tip acts as a small-batch, closed system. High intensity processing.

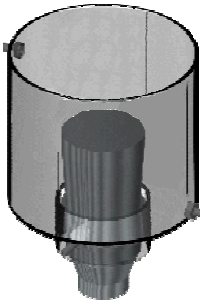
ORDER #	PRODUCT DESCRIPTION
OR-C-250	250mL Cup Tip



Microtube Tray 250

For use with OR-C-250. The Microtube tray suspends microtubes within the cup tip for processing. Holds up to 8 tubes.

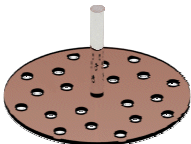
ORDER #	PRODUCT DESCRIPTION
OR-C-250-T	Microtube Tray for OR-C-250



2000mL Cup Tip

The 2000mL cup tip consists of a solid titanium rod of 2.5" diameter with a 2000mL cavity machined into one end. The cup tip acts as a small-batch, closed system. High intensity processing.

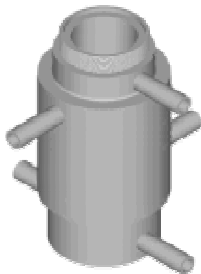
ORDER #	PRODUCT DESCRIPTION
OR-C-2000	2000mL Cup Tip



Microtube Tray 2000

For use with OR-C-2000. The Microtube tray suspends microtubes within the cup tip for processing. Holds up to 20 tubes.

ORDER #	PRODUCT DESCRIPTION
OR-C-2000-T	Microtube Tray for OR-C-2000



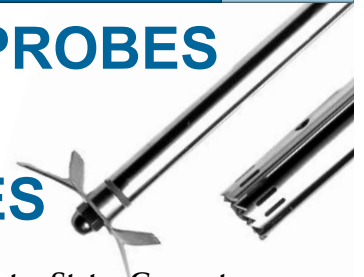
Continuous Flow Chamber

The Continuous Flow Chamber is designed for continuous processing of liquids and for emulsifying and homogenizing applications. The chamber may be sealed in a closed system so that infectious materials can be safely processed. The water flow-through jacket maintains sample temperature at a desired level. *Requires OR-T-750 tip.*

ORDER #	PRODUCT DESCRIPTION
OR-F-01	Continuous Flow Chamber



ROTOR STATOR GENERATOR PROBES VS. UNIQUE CUTTING BLADES



Each of Omni's sealed chamber assemblies offer **Unique Cutting Blades** or efficient **Rotor Stator Generator Probes**. It is important to choose the correct configuration for the sample being processed.

	ROTOR STATOR GENERATOR PROBES	UNIQUE CUTTING BLADES
Sample Type	Liquid and Small Solids	Frozen or Solid Tissue in Liquid
Resulting Particle Size	1–2 Microns	10–15 Microns
Open or Sealed	Sealed or Open Processing	Sealed processing only

Blade Assemblies are offered with a choice of **Oilite** or **Teflon** bearings, depending on particular application requirements. To choose the best bearing for a blade assembly, keep in mind that Oilite bearings wear longer than Teflon, but cannot be autoclaved or used for trace analysis applications since leaching may occur. Teflon bearings are FDA approved, inert and corrosion resistant, but also are more subject to wear and must be replaced more frequently.

Generator Probe Assemblies consist of an inner rotating shaft with rotor knife, an outer stationary tube with windows, an upper stainless steel bearing and a lower Teflon bearing. Generator Probes create mechanical shear and pressure differentials to efficiently process most samples in mere minutes or seconds. They can be taken apart just as quickly for cleaning, enabling the user to replace the bearings and consumables to extend the life of the product.

To choose the optimal size Generator Probe, the following factors must be considered; the total volume including sample plus buffer; the physical properties of the sample such as dimensions and viscosity; and the type, shape and size of the vessel being used. The generator probe head must be smaller than the inside diameter of the vessel used, and should be submerged until the bottom of 1/3 of the liquid level is reached and the stator windows are completely covered in order to create an optimal flow pattern. Suggested volume ranges as specified for each generator probe apply only to low viscosity samples such as liquids, as processing ranges and motor requirements will vary with increased viscosity.

Flat Bottom Generator Probes are recommended for liquid or soft tissues while **Saw Tooth** and **Extended Blades** are best for fibrous tissues. Generator Probes with **Oversized Windows** are best for frozen tissues or solid samples.

Generator Probe Assemblies are also offered with a choice of **Stainless Steel** or **Teflon** bearings. Stainless Steel bearing are quieter and last longer than Teflon bearings, but they are more easily subject to corrosion and can damage the generator probe if not properly maintained. Also, Stainless Steel bearings should not be autoclaved or used with organic solvents. Again, Teflon bearings are FDA approved, inert and corrosion resistant, but are also more subject to wear and must therefore be replaced more frequently. Teflon bearings must be used when autoclaving the generator probe as an entire unit, and a spare Teflon bearing is supplied with each generator probe for this purpose.



STAINLESS STEEL GENERATOR PROBES

For Omni μ H, TH, GLH & PDH Homogenizers



ORDER #	SIZE	TYPE	PARTICLE SIZES	PROCESSING RANGE
G5-95	5mm x 95mm	Flat Bottom	Fine to Medium	0.03mL – 5mL
G5-95W	5mm x 95mm	Flat Bottom	Medium to Coarse	0.03mL – 5mL
G7-95	7mm x 95mm	Flat Bottom	Fine to Medium	0.25mL-30mL
G7-95W	7mm x 95mm	Flat Bottom	Medium to Coarse	0.25mL-30mL
G7-95ST	7mm x 95mm	Saw Tooth	Fine to Medium	0.25mL-30mL
G7-95STW	7mm x 95mm	Saw Tooth	Medium to Coarse	0.25mL-30mL
G7-195	7mm x 195mm	Flat Bottom	Fine to Medium	0.25mL-30mL
G7-195W	7mm x 195mm	Flat Bottom	Medium to Coarse	0.25mL-30mL
G7-195ST	7mm x 195mm	Saw Tooth	Fine to Medium	0.25mL-30mL
G7-195STW	7mm x 195mm	Saw Tooth	Medium to Coarse	0.25mL-30mL
G10-95	10mm x 95mm	Saw Tooth	Fine to Medium	1.5mL-100mL
G10-95W	10mm x 95mm	Saw Tooth	Medium to Coarse	1.5mL-100mL
G10-195	10mm x 195mm	Saw Tooth	Fine to Medium	1.5mL-100mL
G10-195W	10mm x 195mm	Saw Tooth	Medium to Coarse	1.5mL-100mL
G20-195ST*	20mm x 195mm	Saw Tooth	Fine to Medium	50mL-2L
G20-195STW*	20mm x 195mm	Saw Tooth	Medium to Coarse	50mL-2L
G-32TT-195*	32mm x 195mm	Saw Tooth	Tablet Processing	75mL-10L
G-35NA-195*	35mm x 195mm	Flat Bottom	Fine to Medium	75mL-10L
G-35WA-195*	35mm x 195mm	Flat Bottom	Medium to Coarse	75mL-10L
T1001	Generator Probe Disassembly Tool Kit. For use with all listed generator probes			



***For use with GLH and PDH only**

All generator probes are available in Titanium and custom sizes. Call for pricing.

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**GENERATOR PROBES FOR OMNI MIXER, MACRO,
& MACRO-ES HOMOGENIZERS**

STAINLESS STEEL GENERATOR PROBES

For Omni MIXER, MACRO & MACRO-ES Homogenizers

ORDER #	SIZE	TYPE	PARTICLE SIZES	PROCESSING RANGE
15005	5mm x 95mm	Flat Bottom	Fine to Medium	0.03mL – 5mL
15005W	5mm x 95mm	Flat Bottom	Medium to Coarse	0.03mL – 5mL
15007	7mm x 95mm	Flat Bottom	Fine to Medium	0.25mL – 30mL
15007W	7mm x 95mm	Flat Bottom	Medium to Coarse	0.25mL – 30mL
15007ST	7mm x 95mm	Saw Tooth	Fine to Medium	0.25mL – 30mL
15007STW	7mm x 95mm	Saw Tooth	Medium to Coarse	0.25mL – 30mL
15007L	7mm x 195mm	Flat Bottom	Fine to Medium	0.25mL – 30mL
15007LW	7mm x 195mm	Flat Bottom	Medium to Coarse	0.25mL – 30mL
15007LST	7mm x 195mm	Saw Tooth	Fine to Medium	0.25mL – 30mL
15007LSTW	7mm x 195mm	Saw Tooth	Medium to Coarse	0.25mL – 30mL
15051	10mm x 95mm	Saw Tooth	Fine to Medium	1.5mL – 100mL
15051W	10mm x 95mm	Saw Tooth	Medium to Coarse	1.5mL – 100mL
15010	10mm x 195mm	Saw Tooth	Fine to Medium	1.5mL – 100mL
15010W	10mm x 195mm	Saw Tooth	Medium to Coarse	1.5mL – 100mL
15201	20mm x 100mm	Saw Tooth	Fine to Medium	50mL – 2L
15201W	20mm x 100mm	Saw Tooth	Medium to Coarse	50mL – 2L
15401	20mm x 145mm	Saw Tooth	Fine to Medium	50mL – 2L
15401W	20mm x 145mm	Saw Tooth	Medium to Coarse	50mL – 2L
15020	20mm x 195mm	Saw Tooth	Fine to Medium	50mL – 2L
15020W	20mm x 195mm	Saw Tooth	Medium to Coarse	50mL – 2L
150-32TT-195	32mm x 195mm	Saw Tooth	Tablet Processing	50mL – 10L
150-35NA-195	35mm x 195mm	Flat Bottom	Fine to Medium	75mL – 10L
150-35WA-195	35mm x 195mm	Flat Bottom	Medium to Coarse	75mL – 10L
150-45NA-195*	45mm x 195mm	Flat Bottom	Fine to Medium	200mL – 25L
150-45WA-195*	45mm x 195mm	Flat Bottom	Medium to Coarse	200mL – 25L
150-55NA-195*	55mm x 195mm	Flat Bottom	Fine to Medium	300mL – 50L
150-55WA-195*	55mm x 195mm	Flat Bottom	Medium to Coarse	300mL – 50L
15001	Generator Probe Adapter. Required for all High Power Generator Probes.			



***For use with Omni Macro and Omni Macro-ES only**
All generator probes are available in Titanium and custom sizes. Call for pricing.

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PHONE: 1-800-776-4431 FAX: 1-770-421-0206

AEROSOL SEALED STAINLESS STEEL CHAMBER ASSEMBLIES

For Omni MIXER, MACRO, & MACRO-ES Homogenizers

Product Features:

- Fluted to enhance flow
- Polished interior to facilitate cleaning
- Available in Titanium



50mL



200mL



400mL

50mL Sealed Stainless Steel Chamber Assembly (Recommended operating capacity: 20mL – 60mL)

ORDER #	PRODUCT DESCRIPTION
17077	w/ Teflon Bearings and 1 Inch Cutting Blade
17061	w/ Oilite Bearings and 1 Inch Cutting Blade
15050	w/ 10mm diameter generator probe for fine to medium particle sizes
15050W	w/ 10mm diameter generator probe for medium to coarse particle sizes

200mL Sealed Stainless Steel Chamber Assembly (Recommended operating capacity: 80mL – 250mL)

ORDER #	PRODUCT DESCRIPTION
17078	w/ Teflon Bearings and 2 Inch Cutting Blade
17062	w/ Oilite Bearings and 2 Inch Cutting Blade
15200	w/ 20mm diameter generator probe for fine to medium particle sizes
15200W	w/ 20mm diameter generator probe for medium to coarse particle sizes

400mL Sealed Stainless Steel Chamber Assembly (Recommended operating capacity: 100mL – 450mL)

ORDER #	PRODUCT DESCRIPTION
17079	w/ Teflon Bearings and 2 Inch Cutting Blade
17063	w/ Oilite Bearings and 2 Inch Cutting Blade
15400	w/ 20mm diameter generator probe for fine to medium particle sizes
15400W	w/ 20mm diameter generator probe for medium to coarse particle sizes

Custom configurations are also available.



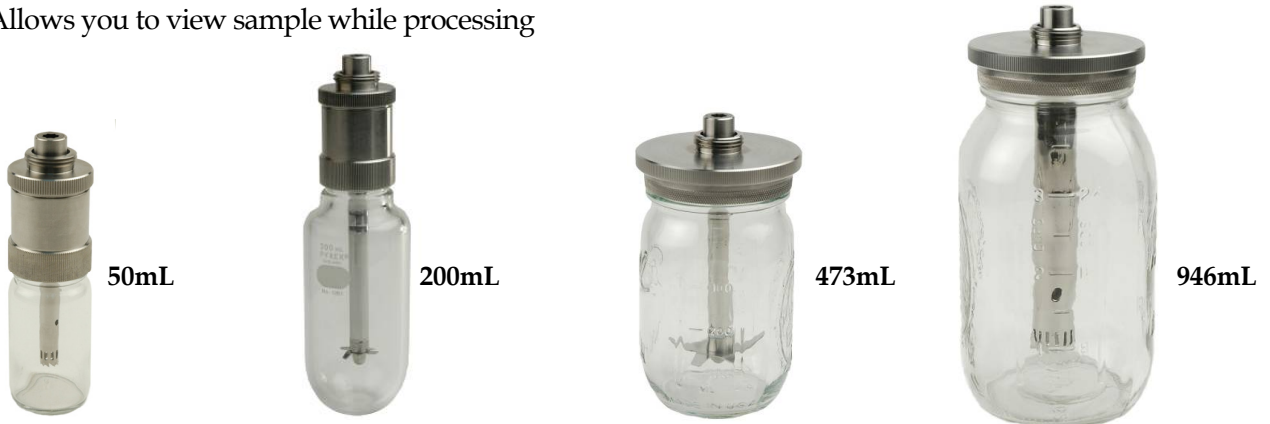
Note: Sealed chambers assemblies are a secondary means of protection. Always use the appropriate safety measures when processing pathogens.

AEROSOL SEALED GLASS CHAMBER ASSEMBLIES

For Omni MIXER, MACRO, & MACRO-ES Homogenizers

Product Features:

- Allows you to view sample while processing



50mL Sealed Glass Chamber Assembly (Recommended operating capacity: 15mL – 40mL)

ORDER #	PRODUCT DESCRIPTION
17064	w/ Teflon Bearings and 1 Inch Cutting Blade
15064	w/ 10mm diameter generator probe for fine to medium particle sizes
15064W	w/ 10mm diameter generator probe for medium to coarse particle sizes

200mL Sealed Glass Chamber Assembly (Recommended operating capacity: 50mL – 150mL)

ORDER #	PRODUCT DESCRIPTION
17088	w/ Teflon Bearings and 1 Inch Cutting Blade
15088	w/ 20mm diameter generator probe for fine to medium particle sizes
15088W	w/ 20mm diameter generator probe for medium to coarse particle sizes

473mL Sealed Glass Chamber Assembly (Recommended operating capacity: 150mL – 350mL)

ORDER #	PRODUCT DESCRIPTION
17080	w/ Teflon Bearings and 2 Inch Cutting Blade
17083	w/ Oilite Bearings and 2 Inch Cutting Blade
15080	w/ 20mm diameter generator probe for fine to medium particle sizes
15080W	w/ 20mm diameter generator probe for medium to coarse particle sizes

946mL Sealed Glass Chamber Assembly (Recommended operating capacity: 200mL – 650mL)

ORDER #	PRODUCT DESCRIPTION
17081	w/ Teflon Bearings and 2 Inch Cutting Blade
17084	w/ Oilite Bearings and 2 Inch Cutting Blade
15081	w/ 20mm diameter generator probe for fine to medium particle sizes
15081W	w/ 20mm diameter generator probe for medium to coarse particle sizes



Note: Sealed chambers assemblies are a secondary means of protection. Always use the appropriate safety measures when processing pathogens.

AEROSOL SEALED PLASTIC CHAMBER ASSEMBLIES

For Omni MIXER, MACRO, & MACRO-ES Homogenizers

Product Features:

- Process sample in a centrifuge tube without need to transfer to a second container



50mL Sealed Polycarbonate Chamber Assembly (Recommended operating capacity: 15mL – 40mL)

ORDER #	PRODUCT DESCRIPTION
17076	w/ Teflon Bearings and 1 Inch Cutting Blade
15076	w/ 10mm diameter generator probe for fine to medium particle sizes
15076W	w/ 10mm diameter generator probe for medium to coarse particle sizes

250mL Sealed Polycarbonate Chamber Assembly (Recommended operating capacity: 50mL – 150mL)

ORDER #	PRODUCT DESCRIPTION
17089	w/ Teflon Bearings and 1 Inch Cutting Blade
15089	w/ 20mm diameter generator probe for fine to medium particle sizes
15089W	w/ 20mm diameter generator probe for medium to coarse particle sizes

473mL Sealed Polycarbonate Chamber Assembly (Recommended operating capacity: 150mL – 350mL)

ORDER #	PRODUCT DESCRIPTION
17065	w/ Teflon Bearings and 2 Inch Cutting Blade
15065	w/ 20mm diameter generator probe for fine to medium particle sizes
15065W	w/ 20mm diameter generator probe for medium to coarse particle sizes

946mL Sealed Polycarbonate Chamber Assembly (Recommended operating capacity: 200mL – 650mL)

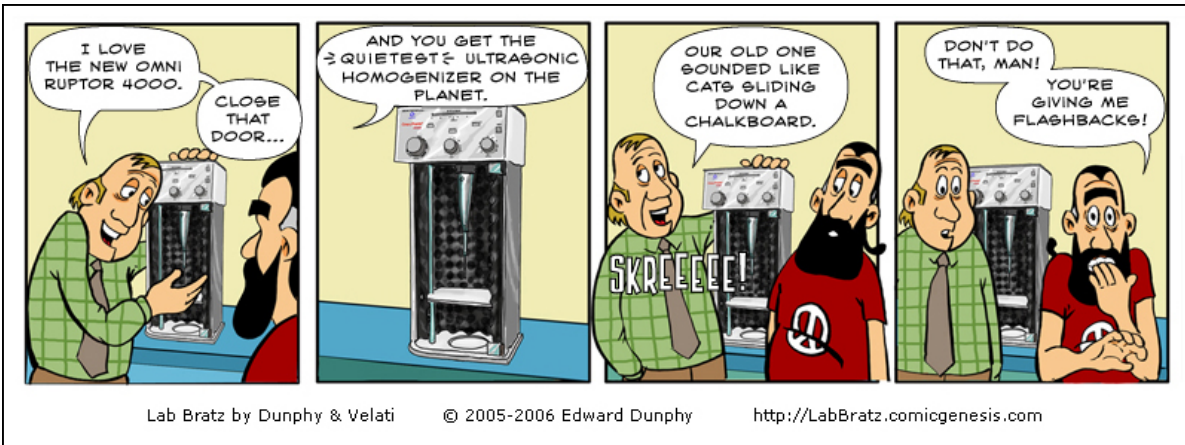
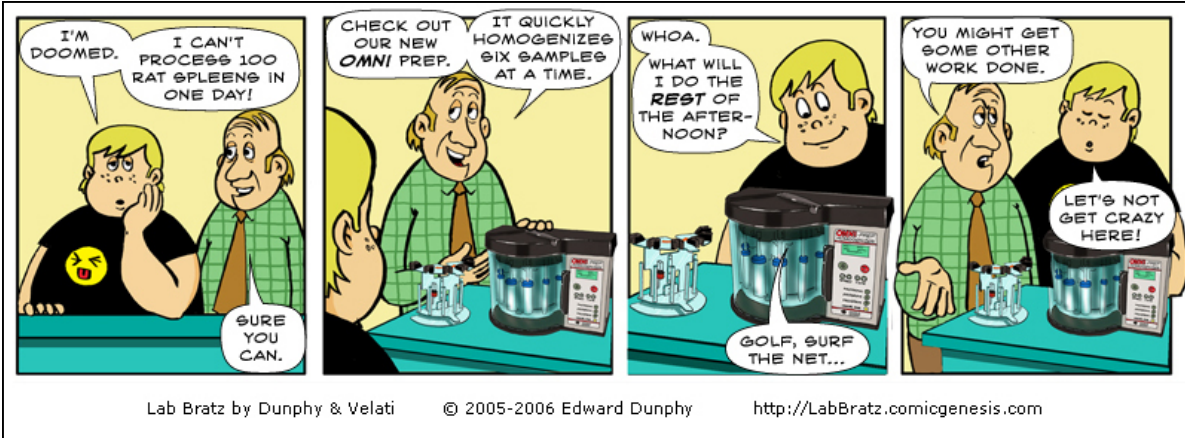
ORDER #	PRODUCT DESCRIPTION
17097	w/ Teflon Bearings and 2 Inch Cutting Blade
15097	w/ 20mm diameter generator probe for fine to medium particle sizes
15097W	w/ 20mm diameter generator probe for medium to coarse particle sizes

1892mL Sealed Polycarbonate Chamber Assembly (Recommended operating capacity: 300mL – 1,200mL)

ORDER #	PRODUCT DESCRIPTION
17098	w/ Teflon Bearings and 2 Inch Cutting Blade
15098	w/ 20mm diameter generator probe for fine to medium particle sizes
15098W	w/ 20mm diameter generator probe for medium to coarse particle sizes



Note: Sealed chambers assemblies are a secondary means of protection. Always use the appropriate safety measures when processing pathogens.



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