

# TALBOYS

## VORTEX MIXER

### Accessories

#### Micro-tube Holder

Mixes forty-eight, 2.0-.25ml micro centrifuge tubes. Requires insert retainer.

Part Number	Price
Micro-tube Holder (2 pack) 945638	\$36.50
Insert Retainer 945631	\$80.00



#### Micro-well Plate Holder

Ideal for mixing 96 well plates or deep well blocks. Requires insert retainer.

Part Number	Price
Micro-well Plate Holder (2 pack) 945639	\$37.00
Insert Retainer 945631	\$80.00



#### 20-25mm Tube Holder

Ideal for mixing up to eight, 50ml centrifuge tubes. Requires insert retainer.

Part Number	Price
Tube Holder (2 pack) 945636	\$16.50
Insert Retainer 945631	\$80.00



#### 14-19mm Tube Holder

Ideal for mixing up to eight, 15ml centrifuge tubes. Requires insert retainer.

Part Number	Price
Tube Holder (2 pack) 945635	\$16.50
Insert Retainer 945631	\$80.00



#### 9-13mm Tube Holder

Ideal for mixing 5ml culture tubes and micro vials. Requires insert retainer.

Part Number	Price
Tube Holder (2 pack) 945634	\$16.50
Insert Retainer 945631	\$80.00



#### Vessel Holder

Mixes Erlenmeyer flasks and media bottles. Requires insert retainer.

Part Number	Price
Vessel Harness (2 pack) 945633	\$5.25
Insert Retainer 945631	\$80.00



#### Ampule Tube Holder

Mixes storage vials and test tubes.

Size	Part Number	Price
Small (15-17mm)	945647	\$75.00
Large (10-17mm)	945648	110.00



### Accessory Kits

#### Tube Holder Kit with Retainer



Includes: (1) holder for 9-13mm tubes  
(1) holder for 14-19mm tubes  
(1) holder for 20-25mm tubes  
(1) flat foam insert  
(2) vessel harness  
(1) insert retainer

Part Number	Price
945630	\$119.00

#### Single Tube Holder



#### Single Tube Holder

Mounts to the top of vortex mixers for single tube, hands free mixing. Easily attaches to the top of any vortex mixer without the use of tools. Patent Pending.

Description	Part Number	Price
Fits Talboys vortex mixers	945659	\$99.00
Adapter for Vortex-Genie® mixer*	945660	49.00
.5ml micro-tube holder	945655	50.00
1.5ml-2.0ml tube holder	945656	50.00

\*The Vortex-Genie® mixer is a registered trademark of Scientific Industries, Inc.

#### Micro-tube and Micro-well Plate Holder Kit with Retainer



Includes: (1) micro-tube holder  
(1) micro-well plate holder  
(1) insert retainer

Part Number	Price
945637	\$63.00

### Replacement Parts

Description	Part Number	Price
Insert retainer	945631	\$80.00
Vessel harness (2 pack)	945633	5.25
Holder for 9-13mm tubes (2 pack)	945634	16.50
Holder for 14-19mm tubes (2 pack)	945635	16.50
Holder for 20-25mm tubes (2 pack)	945636	16.50
Micro-tube holder (2 pack)	945638	36.50
Micro-well plate holder (2 pack)	945639	37.00
Flat foam insert (2 pack)	945644	16.00
Cup head	945643	21.00
3" head (7.6cm)	945641	22.00
3" rubber head cover (7.6cm)	945642	22.00
1.5ml-2.0ml tube holder, for pulsing mixer	945646	175.00

# TALBOYS

201 Wolf Drive • PO Box 87 • Thorofare, NJ 08086-0087  
Phone: 1-888-TALBOYS • Fax: 856-686-1601  
www.talboys.com • E-mail: info@talboys.com

3-138-BRO (Rev. 7/04)

Talboys vortex mixer accessories are interchangeable with other manufacturers' models. Call Talboys for assistance.

# TALBOYS

Vortex Mixers

Vigorous  
Vortexing  
of Samples



# TALBOYS

1-888-TALBOYS

www.talboys.com

## VORTEX MIXER



### Basic Vortex Mixer

- Touch mode operation
- Fixed high speed mixing

**Basic Vortex Mixers** are one touch units that are designed for high speed mixing. Starts mixing when the cup head is pressed down. Speed is fixed at full rpm to provide vigorous vortexing of samples.

All Basic Vortex Mixers include both cup head and three-inch head with cover.



### Standard Vortex Mixer

- Variable speed control
- Continuous or touch mode operation

**Standard Vortex Mixers** have a variable speed, analog control that allows low rpm startup for gentle shaking or high speed mixing for vigorous vortexing of samples. Choose from two modes of operation; continuous mode when using accessory attachments or touch mode which activates mixing when depressing the cup head.

All Standard Vortex Mixers include both cup head and three-inch head with cover.



### Advanced Vortex Mixer

- Continuous or touch mode operation
- Micro-processor controls
- LED display for speed and time
- Timer

**Advanced Vortex Mixers** are ideal for applications that demand repeatable results. Mixers feature touch pad controls and LED displays for accurate speed(rpm) and time(minutes/seconds) results. Micro-processor feedback control maintains set speed for strong, consistent mixing action. Timer will display elapsed time or when programmed to user defined time limit, the unit will shut off when time reaches zero. Choose from two modes of operation; continuous mode when using accessory attachments or touch mode which activates mixing when depressing the cup head.

All Advanced Vortex Mixers include both cup head and three-inch head with cover.



### Pulsing Vortex Mixer

- Glass bead cell disruption/homogenization
- Continuous or touch mode operation
- LED display for speed and time
- Micro-processor controls

Powerful pulsing vortex action produces excellent cell disruption for glass bead procedures. The **Pulsing Vortex Mixer** is capable of complete cell disruption of samples in only minutes. Unique pulsing action reduces heat generation while providing more effective mixing and disruption. System includes an easy-to-load holder for (12)1.5ml or 2.0ml micro centrifuge tubes. Micro-tube holder has a built-in cup head which allows mixer to be used as a standard vortex mixer in touch mode. Micro-processor feedback control maintains set speed for strong, consistent mixing action. LED displays for both speed(rpm) and time(minutes/seconds) which provides better repeatability and accuracy. Displayed time counts up during continuous operation and counts down during timed runs.

### Basic Vortex Mixer Specifications

Description	Part Number	Price
Basic Vortex Mixer, 120v	945610	\$240.00
Basic Vortex Mixer, 230v	945611	260.00

#### Performance

Speed Range	3200rpm
Electrical	75 watts, 50/60 Hz
Controls	None
Weight	11lbs (5kg)
Dimensions	4.8"W x 6.8"D x 4.8"H (12.2cm x 17.3cm x 12.2cm)

### Standard Vortex Mixer Specifications

Description	Part Number	Price
Standard Vortex Mixer, 120v	945600	\$306.00
Standard Vortex Mixer, 230v	945601	320.00

#### Performance

Speed Range	100 to 3200rpm
Electrical	75 watts, 50/60 Hz
Controls	3-way power switch, speed knob: variable 1 to 10 dial marks
Weight	11lbs (5kg)
Dimensions	4.8"W x 6.8"D x 4.8"H (12.2cm x 17.3cm x 12.2cm)

### Advanced Vortex Mixer Specifications

Description	Part Number	Price
Advanced Vortex Mixer, 120v	945603	\$389.00
Advanced Vortex Mixer, 230v	945616	409.00

#### Performance

Speed Range	500 to 3000rpm
Electrical	75 watts, 50/60 Hz
Controls	3-way power switch, LED display for time/speed, up/down keys for set-point control
Weight	11lbs (5kg)
Dimensions	4.8"W x 6.8"D x 4.8"H (12.2cm x 17.3cm x 12.2cm)

### Pulsing Vortex Mixer Specifications

Description	Part Number	Price
Pulsing Vortex Mixer, 120v	945620	\$469.00
Pulsing Vortex Mixer, 230v	945621	489.00

#### Performance

Speed Range	500 to 3000rpm
Electrical	75 watts, 50/60 Hz
Controls	3-way power switch, LED display for time/speed, up/down keys for set-point control, pulsing key
Weight	11lbs (5kg)
Dimensions	4.8"W x 6.8"D x 4.8"H (12.2cm x 17.3cm x 12.2cm)

### Grinding Media for Pulsing Vortex Mixer

#### 200 Micron Zirconium Beads

##### Acid Washed Zirconium Grinding Beads

This high-density bead has enormous grinding energy; resulting in reduced grinding times. Beads have been acid washed to remove contaminants.

Application: Suitable for yeast and bacterial spores.

Size	Part Number	Price
250-gram bottle	930117	\$128.00

##### Molecular Biology Grade Zirconium Grinding Beads

Treated to be DNase/RNase-free, these beads are useful for the preparation of samples for molecular biology applications.

Application: Preparation of cells for Real Time PCR.

Size	Part Number	Price
250-gram bottle	930118	\$175.00

##### Low Protein Binding Zirconium Grinding Beads

High impact, low binding beads with low concentrations of protein.

Application: Protein analysis of yeasts and bacteria.

Size	Part Number	Price
250-gram bottle	930119	\$192.00

#### 400 Micron Silica Beads

##### Acid Washed Silica/Glass Beads

Useful for standard applications.

Application: Good for disrupting molds and yeast.

Size	Part Number	Price
200-gram bottle	930111	\$97.00

##### Molecular Biology Grade Silica/Glass Beads

Treated to be DNase/RNase-free, these beads are useful for preparing samples for molecular analysis.

Application: Molecular applications for disrupting molds and yeast.

Size	Part Number	Price
200-gram bottle	930112	\$128.00

##### Low Protein Binding Silica/Glass Beads

These treated beads are low protein binding and useful for homogenizing samples for protein analysis.

Application: Disruption of molds/yeasts for high protein recovery.

Size	Part Number	Price
200-gram bottle	930113	\$160.00

#### 800 Micron Silica/Glass Beads

##### Acid Washed Silica/Glass Beads

Excellent impact energy due to their larger size.

Application: Good general grinding media for fungi and spores.

Size	Part Number	Price
200-gram bottle	930114	\$97.00

##### Molecular Biology Grade Silica/Glass Beads

Beads are DNase/RNase-free treated and useful for the preparation of samples for molecular applications and analysis.

Application: Useful for disrupting fungi and spores.

Size	Part Number	Price
200-gram bottle	930115	\$128.00

##### Low Protein Binding Silica/Glass Beads

Beads adsorb less protein than standard beads and are useful when high protein recovery is necessary.

Application: Best choice for preparation of filamentous fungi, spores or pollen that require high protein recovery.

Size	Part Number	Price
200-gram bottle	930116	\$160.00