



VORTEX MIXER

VORTEX MIXER BFA1BL1 BFA1BL2 BFA1BL3

TOUCH FAIRY VORTEXER

Touch Fairy Vortexer focuses on touch-to-mix (short mix) for a variety of tubes / centrifugal tubes. Its compact design makes it very attractive and welcome, while its touch-to-mix operation makes it very easy to handle and quite convenient. Touch fairy vortexer becomes an essential experimental instrument with its prominent mixing effect.



The max. the diameter of the tubes is up to 30mm. Suit for mixing tubes /centrifugal tubes with prominent mixing effect.
The outer shell and test tube base are made of plastic which is resistant to chemical attack. The thick base makes operation very steady and reliable.
12V low voltage power adapter built in, smart and portable.

SPECIFICATIONS

Model	BFA1BL1	BFA1BL2	BFA1BL3
Speed Range	4000rpm	0~4000rpm	4000rpm
Switch mode	Jog switch	Jog switch+Knob adjust	Jog switch / One button long open
Shaking Orbit	4.5mm (circle)		
Max. Sample Capacity	50ml		
Power Input /Output	1.2W / 0.8W		
Voltage	DC12V 1A		
Power	12W		
Dimension	W.110 x D.110 x H.86mm		
Net Weight	1.1kgs		
Alt Name	Touch Fairy Vortexer		



BFA1BL1



BFA1BL2



BFA1BL3

VORTEX MIXER BFA1BI1 BFA1BI2 BFA1BI3

ROTARY MIXING SOLUTION

Rotary Mixing Solution is mainly used for tissue culture, sample extraction, sedimentation rate determination. It is also widely applied in biochemistry, organism, cellular, immune, chemistry, flora and fauna analysis, clinical experiments, etc.



Vortex Mixer BFA1BI1

Humanized designed operation keyboard. LED display time and speed.

Several optional turntable supplied, suit for the tubes from 1.5ml to 50ml.

The turntables' gradient can be adjusted from 0 to 90°.

Timing function. Time range from 0 to 9999min, LED display remaining time. Beep alarm when program time ends.

SPECIFICATIONS

Model	BFA1BI1	BFA1BI2	BFA1BI3
Old Model	BTUR-403	BTUR-306	BTUR-305
Speed Range	10rpm~80rpm	40rpm	20rpm
Gradient Angle Range	0°~90°	45° (fixed angle)	
Time Range	1min~9999min	/	
Voltage	AC 100~230V, 50/60Hz	AC 220V/AC 110V, 50/60Hz	
Power	35W	14W	
Fuse	250V, 1A, Φ5x20		
Dimension	W.206 x D.260 x H.300mm	W.260 x D.300 x H.233mm	
Net Weight	4.5kgs	1.8kgs	
Alt Name	Rotary Mixing Solution		



BFA1BI1

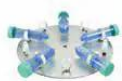


BFA1BI2 BFA1BI3

ACCESSORIES FOR PURCHASE

No	Name	Accessories code	Description
1	Platform	YC-A	Conical tube 50mlX10
2	Platform	YC-B	Conical tube 15mlX18
3	Platform	YC-C	1.5ml centrifuge tubeX64
4	Tube holder	YC-D	50ml centrifuge tubeX12 15ml centrifuge tubeX12 1.5ml centrifuge tubeX30

5	Platform	YC-E	50ml centrifuge tubeX10 15ml centrifuge tubeX10 1.5ml centrifuge tubeX30
---	----------	------	--



1



2



3



4



5

FEATURES BFA1BI1

Humanized designed operation keyboard. LED display time and speed.

Several optional turntable supplied, suit for the tubes from 1.5ml to 50ml.

The turntables' gradient can be adjusted from 0 to 90°.

Timing function. Time range from 0 to 9999min, LED display remaining time. Beep alarm when program time ends.

FEATURES BFA1BI2 BFA1BI3

It can be used in humid environments such as refrigerators and refrigerated cabinets.

Several optional turntables are supplied, suitable for the tubes from 1.5ml to 50ml.

One button to start/stop, easy to operate, can run for a long time, running smoothly without noise.

VORTEX MIXER BFL1P1

ECONOMIC VORTEX MIXER



Compact, portable and fits nicely on bench-top (erase desktops and table tops)
Touch operation, fixed speed of 3,000 rpm for rapid mixing of samples
Powerful and efficient 12V DC brushless motor is smooth in operation and has long life

Foot pad design secures the mixer in place and does not wobble during operation

SPECIFICATIONS

Model	BFL1P1
Old Model	BVMX-101
Voltage	100-240V
Frequency	50/60Hz
Power	12W
Mixing motion	Orbital
Revolving diameter	4.8mm
Motor rating output	10W
Rotational speed	3000rpm
Operating mode	Touch Operation
External dimension	133x133x80mm
Dimension of packing box	250x185x130mm
Weight	0.6kg
Permissible ambient temperature	5-40°C
Permissible relative humidity	≤80%RH
Protection class	IP21

Alt Name	Economic Vortex Mixer
----------	-----------------------

APPLICATIONS

Used to rapidly mix small samples of liquids for lab research or other works like mixing nail polish, gel polish, eyelash adhesives, acrylic paint, tattoo ink and so on.

VORTEX MIXER BFA1BK1 BFA1BK2 BFA1BK3

MINI MIXER

Mini Mixer is used for vibration, blend and stirring of sample tissue, cell, bacteria liquid and chemical reagent in life science and physical and chemical analysis field.



Mini and compact appearance, powerful function, sucker type under-chassis, super shockproof, ideal for high speed operation.
Multiple mixing modes, touch-operation, continuous operation and timing set.
Speed adjustable, and wide speed range, Stable low speed, powerful high speed.
Shaking blocks convenient for replacement, stable and reliable, sturdy and durable eccentric bearing designed.
Various tube holders are for optional (Suitable for Eppendorf Tubes).

SPECIFICATIONS

Model	BFA1BK1	BFA1BK2	BFA1BK3
Operation	knob + scale		key + digital Display
Shaking Orbit	4mm	3mm	
Shaking Mode	circle		
Operation Mode	continuous or press running		continuous running or short mix
Speed Range	0~2500rpm		300~3000rpm
Time Range	/		1s~999min
Voltage	AC 220V / AC 110V, 50/60Hz		DC24V
Power	60W		30W
Suitable Optional Accessories	MX-A and MX-B	all	
Fuse	250V, 1A, Φ5x20		/
Dimension	W.132 x D.156 x H.150mm		
Net Weight	2.5kgs		2.2kgs
Alt Name	Mini Mixer		



BFA1BK1 BFA1BK2



BFA1BK3

ACCESSORIES FOR PURCHASE

No	Name	Accessories code	Description
1	Standard head	MX-A	Suit for tubes and containers with dia.<30mm
2	Standard platform	MX-P	Standard platform to hold foam tube holder
3	Convex pad	MX-B	Use with MX-P. Suit for tubes and containers with dia.<108mm
4	Foam tube holder	MX-C	Use with MX-P. For 0.2ml tubes, dia.5mm x 70 holes.
5	Foam tube holder	MX-D	Use with MX-P. For 0.5ml tubes, dia.6.6mm x 36 holes.
6	Foam tube holder	MX-E	Use with MX-P. For 1.5/ 0.2ml tubes, dia.9.8mm x 20 holes.
7	Foam tube holder	MX-F	Use with MX-P. For 15ml tubes, dia.14mm x 8 holes.
8	Foam tube holder	MX-G	Use with MX-P. For 50ml tubes, dia.26.2mm x 4 holes.
9	Tube holder platform	MX-H	For 1.5/2.0ml tubes x 22
10	Tube holder platform	MX-I	For 15ml tubes x 4
11	Tube holder platform	MX-J	For 50ml tubes x 2
12	Plate holder platform	MX-K	For all standard plates
13	Universal platform	MX-L	Universal platform (suitable for different types of plates and tube stands, not include plate or stand). 384-well PCR plates, microplates, deep well plates can be directly put into the stand without stand support.
14	Universal platform	MIX-A	96x0.2ml tube stand. Applied to 0.2ml PCR tubes, PCR strips and 96-well PCR plates (semi-skirted and unskirted)
15	Universal platform	MIX-B	24x0.5ml Tube stand
16	Universal platform	MIX-C	24x1.5/2.0ml Tube stand
17		MX-M	Customized



1



2



3



4



5



6



7



8



9



10



11



12



13



14



15



16

VORTEX MIXER BFL1Q1

FIXED SPEED VORTEX MIXER



Vortex mixers are ideal for mixing liquid components in tubes, resuspension of cells, using an eccentric mechanism. It is perfect for mixing high-viscosity materials, such as waxes and slurries; to mix battery slurries, paints, pharmaceuticals and more.

SPECIFICATIONS

Model	BFL1Q1
Old Model	BVMX-403
Voltage, Frequency	100-120V/200-240V, 50/60Hz
Power	60W
Mixing motion	Orbital
Orbital diameter	4mm
Motor type	Shaded pole motor
Motor rating input	58W
Motor rating output	10W
Speed range	3000rpm
Speed display	-
Run type	Touch operation/Continuous
Dimension [WxHxD]	127 x 130 x 160mm
Weight	2.0kg
Permissible ambient temperature	5-40°C
Permissible relative humidity	80%RH
Protection class	IP20
Alt Name	Fixed speed Vortex Mixer



ACCESSORIES FOR PURCHASE

No	Name	Description
1	VT1.1 Standard top(Default)	for <Ø30mm tubes and small vessels



1

APPLICATIONS

They are widely used in clinical labs performing virus diagnostic tests and in biological & chemical analysis applications.

VORTEX MIXER BFL1S1

VARIABLE SPEED VORTEX MIXER



Variable speed of 0 to 3,000 rpm for gentle shaking to rapid mixing of samples
 Touch or continuous operation mode
 Includes a standard top head for mixing a single test tube or other small vessel up to 30 mm in diameter
 Electronic speed control maintains constant speed even during changes in load
 Steel base with specially designed vacuum suction feet provides stability and dampens vibration
 Robust aluminum-cast construction

SPECIFICATIONS

Model	BFL1S1
Voltage, Frequency	100-120V/200-240V, 50/60Hz
Power	60W
Mixing motion	Orbital
Orbital diameter	4mm
Motor type	Shaded pole motor
Motor rating input	58W
Motor rating output	10W
Speed range	0-3000rpm
Speed display	Scale
Run type	Touch operation/Continuous
Dimension [WxHxD]	127 x 130 x 160mm
Weight	2.0kg
Permissible ambient temperature	5-40°C
Permissible relative humidity	80%RH
Protection class	IP20
Alt Name	Variable speed Vortex Mixer



ACCESSORIES FOR PURCHASE

No	Name	Description
1	tube adapter	for 48 holes test tubes, Ø6mm
2	tube adapter	for 15 holes test tubes, Ø10mm
3	tube adapter	for 12 holes test tubes, Ø12mm
4	tube adapter	for 8 holes test tubes, Ø16mm
5	tube adapter	for 8 holes test tubes, Ø20mm
6	Platform pad	Ø99mm, multiple small tubes and vessels
7	Vacuum chunk	Made of rubber
8	tube adapter	for 24 holes test tubes, Ø10mm
9	Tube adapter	for 4 holes test tubes, Ø28mm (50mL)
10	Tube adapter	12XØ9.8mm + 12XØ6.6mm + 12XØ5mm (1.5/2.0/0.5/0.2mL)
11	Tube holding rod	used with tube adapters
12	Universal top plate	Ø100mm Includes 4 vacuum chuck
13	Microplate clamp	Includes rectangle PCR tube adapter
14	Large Platform Multi-Specimen Test Tube Adapter	44 holes Ø5mm + 55 holes Ø6.6mm + 30 holes Ø9.8mm (1.5/2.0/0.5/0.2mL)
15	Ampule/Tube Attachment	4pc ampule/tube (0.2mL-15mL)
16	Erlenmeyer flask attachment	100mL-250mL, Operating speed: 0-1500rpm



VORTEX MIXER BFA1BF1 BFA1BF2

3D ROTATING MIXER

3D Rotating Mixer is a uniquely designed instrument which can mix samples by horizon, vertical and any angled rotation with a variety of sample tubes. It is widely used in molecular hybridization, blood and other samples that need to be mixed.



Vortex Mixer BFA1BF1

Unique combination of adjustable rotating frame.

A variety of rotation modes, from mild type to somersault type rotation mode. Widely used in molecular biology, histo-chemistry, bio-chemistry, clinical applications, etc.

Provide three types of rotating frame.

It is positive and negative rotation. Just gently press the rotating frame when the instrument is working.

Oil-free bearings are built in both ends of the bracket.

SPECIFICATIONS

Model	BFA1BF1	BFA1BF2
Old Model	BTUR-301	
Speed Range	18rpm (Fixed Speed)	10rpm ~40rpm (Adjustable)
Reciprocating Swing Angle Range	/	20°~99° (Adjustable)
Time Range	/	1s~999min/Continuously
Voltage	AC 220V/AC 110V, 50/60Hz	AC 100 ~230V, 50/60Hz
Power	4W	
Fuse	/	250V, 1A, Φ5x20
Dimension (WxDxH)	W.240 x D.145 x H.210mm	
Net Weight	1kgs	1.2kgs
Alt Name	3D Rotating Mixer	



BFA1BF1



BFA1BF2

ACCESSORIES FOR PURCHASE

No	Name	Description
1	RH-A	5 centrifuge tubes of 10ml/15ml(Φ15mm-Φ16mm) +6 centrifuge tubes of 5ml /7 ml(Φ12mm-Φ13mm)
2	RH-B	3 centrifuge tubes of 50ml +18 centrifuge tubes of 0.5ml
3	RH-C	18 centrifuge tubes of 1.5ml / 2.0ml



1



2



3

FEATURES BFA1BF1

Unique combination of adjustable rotating frame.

A variety of rotation modes, from mild type to somersault type rotation mode.

Widely used in molecular biology, histo-chemistry, bio-chemistry, clinical applications, etc.

Provide three types of rotating frame.

It is positive and negative rotation. Just gently press the rotating frame when the instrument is working.

Oil-free bearings are built in both ends of the bracket.

FEATURES BFA1BF2

Unique combination of adjustable rotating frame.

A variety of rotation modes, from mild type to somersault type rotation mode.

Widely used in molecular biology, histo-chemistry, bio-chemistry, clinical applications, etc.

Provide three types of rotating frame.

This model has a reciprocating oscillation function from 20 angles to 99 angles.

Oil-free bearings are built in both ends of the bracket.

VORTEX MIXER BFS1BC1 BFS1BC2

VORTEX MIXER

These sturdy, reliable mixers can adjust speed to meet different experimental requests. Multiple mixing modes, Touch and continuous operations. Aluminium cast base avoids unnecessary "walking". A variety of optional adapters are available which process 70 samples at the same time to make the experiment more convenient and efficient. Wide speed range: 0-3000rpm. Built-in short mix, Microprocessor control, LED display the speed and time.



Compact structure designing, low center of gravity provide the stable operation when high speed

DC Brushless Motor, long-life, low noise

The motor drives directly, no belt loss. induction and variable frequency motor (without beltwork)

All the fixture, the instrument will distinguish automatic, speed limit automatic

Chuck installing more conveniently

Inching feature and consecutive operation, easy for switching

Centric balance piece designing, amplitude can be achieved 4.5mm, nice oscillation effects

Metal hull, reliable and strong

SPECIFICATIONS

Model	BFS1BC1	BFS1BC2
Old Model	BVMX-401	BVMX-402
Speed Range	200-3000 rpm/min, stepless speed regulating	
Orbital Diameter	4.5mm	
Motion	circumferential	
Motor rating output	20	
Maximum Load Capacity	1 kg	
Operation	Continuous/ touch operation	
Timing Range	1s-999 min	
Overall Dimension	210x150x69 mm	
Protection Class	IP21	

Speed setting and showing	Simulation setting and digital time showing	0-3000 rpm,Real-time digital showing for Speed and time
Driving	induction and variable frequency motor (without beltwork)	
Weight	4 kg	
Standard Configuration	V1.1/Standard gasket	
Power Supply	100~240 V	
Alt Name	Vortex Mixer	

ACCESSORIES FOR PURCHASE

No	Accessory Code	Name	Description
1	3100906006	Standard gasket	Use for setting tube which the diameter no more than 65mm smaller container; Speed range: 0/200-3000rpm
2	3100906007	ELISA Plate fixture	Use for ;ELISA Plate and square adapter; Speed range: 0/200-1500rpm
3	3100906008	Flasks fixture	Together with flasks gaskets; Speed range: 0/200-3000rpm
4	3100906009	Flasks gasket fixture	
5	3100906010	Centrifuge Tube Adapter	Together with ELISA Plate fixture;30 jacks; Hole Diameter 10mm
6	3100906011	Centrifuge Tube Adapter	Together with ELISA Plate fixture;16 jacks; Hole Diameter 12mm
7	3100906012	Centrifuge Tube Adapter	Together with ELISA Plate fixture;12 jacks ; Hole Diameter 16mm
8	3100906013	100-240V adapter	

FEATURES

Compact structure designing, low center of gravity provide the stable operation when high speed

DC Brushless Motor, long-life, low noise

The motor drives directly, no belt loss. induction and variable frequency motor (without beltwork)

All the fixture, the instrument will distinguish automatic, speed limit automatic

Chuck installing more conveniently

Inching feature and consecutive operation, easy for switching

Centric balance piece designing, amplitude can be achieved 4.5mm, nice oscillation effects

Metal hull, reliable and strong

Timing function, also can be countdown and digital showing

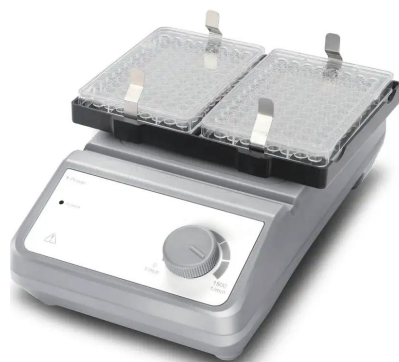
Digital shows the setting speed and operation speed , easy and clearly.

APPLICATIONS

Mixing, Laboratory, Research, Medical.

VORTEX MIXER BFL1R1

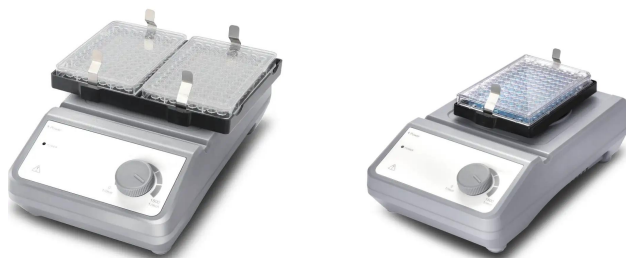
MICROPLATE MIXER



Wide range of speed from 0 to 1,500 rpm (Double microplate: 0-1,000 rpm)
Excellent performance with electronic speed control
High speed and effective mixing for microplates
With adapters for most popular vessels and microtiter plates
Used for various mixing applications with optional adapters
Maintenance-free brushless DC motor
Brushless DC motor
Wide range of accessories

SPECIFICATIONS

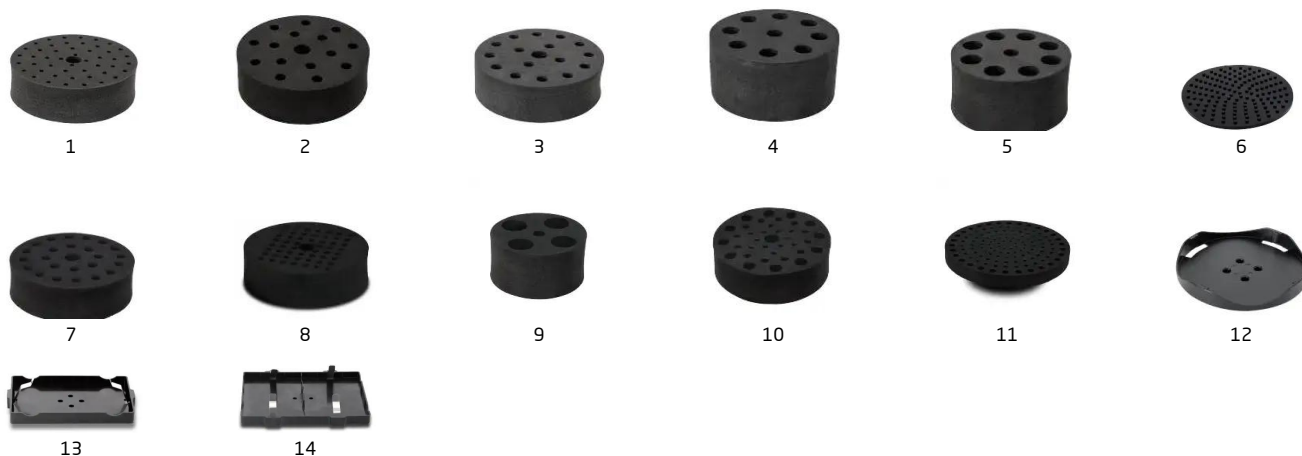
Model	BFL1R1
Old Model	BVMX-404
Shaking movement	Orbital
Orbital diameter	4.5mm
Max. shaking weight (with accessory)	0.5kg
Motor type	Brushless DC motor
Motor rating input	18W
Motor rating output	10W
Speed range	Single microplate: 0-1500rpmDouble microplate: 0-1000rpm
Speed display	Scale
Voltage, Frequency	100-240V, 50/60Hz
Power	20W
Dimension	260 x 150 x 80mm
Weight	3kg
Permissible ambient temperature and humidity	5-40°C, 80%RH
Protection class	IP20
Alt Name	Microplate Mixer



ACCESSORIES FOR PURCHASE

No	Name	Description
1	tube adapter	for 48 holes test tubes, Ø6mm
2	tube adapter	for 15 holes test tubes, Ø10mm

3	tube adapter	for 12 holes test tubes, Ø12mm
4	tube adapter	for 8 holes test tubes, Ø16mm
5	tube adapter	for 8 holes test tubes, Ø20mm
6	Platform pad	Ø99mm, multiple small tubes and vessels
7	tube adapter	for 24 holes test tubes, Ø10mm
8	PCR tube adapter	for 56 test PCR tubes, strips of 8, Ø5mm (0.1mL-0.5mL)
9	Tube adapter	for 4 holes, Ø28mm (50mL)
10	Tube adapter	12XØ9.8mm + 12XØ6.6mm + 12XØ5mm (1.5/2.0/0.5/0.2mL)
11	Large Platform Multi-Specimen Test Tube Adapter	44 holes X Ø5mm + 55 holes X Ø6.6mm + 30 holes X Ø9.8mm (1.5/2.0/0.5/0.2mL)
12	Universal top plate	Used with tube adapters
13	Single Well Plate Tray Kit	Work Plate (Suitable for fully-skirted PCR plates, cell culture plates, enzyme immunoassay plates, and deep-well plates. Use with a well plate adapter for half-skirted or non-skirted PCR plates.)
14	Double microplate clamps	Double microplate clamps



FEATURES

Wide range of speed from 0 to 1,500 rpm (Double microplate: 0-1,000 rpm)

Excellent performance with electronic speed control

High speed and effective mixing for microplates

With adapters for most popular vessels and microtiter plates

Used for various mixing applications with optional adapters

Maintenance-free brushless DC motor



Brushless DC motor



Wide range of accessories

APPLICATIONS

Microplate Mixer is used for holding single or double microplates. Microplate Mixer occupies less bench space and makes the storage easier. It is widely used in life sciences including microbiology, cell and molecular biology, immunology and biotechnology.

VORTEX MIXER BFA1BG1

VERTICAL ROTATING MIXER

Vertical Rotating Mixer provides efficient but soft mixing to keep the sample in a suspension status such as blood mixing. It is suitable for preventing blood clots, latex diagnosis, immunoprecipitation and similar applications.



Smart appearance, solid structure, simple operation. LED displays time and speed.
DC brushless motor, stable performance, low noise and long using life.
360°vertical circulation rotation, operating smoothly and steadily.
Different tube holder frames for optional to suit for different kinds tubes.
Oil-free bearings are built in both ends of the bracket.

SPECIFICATIONS

Model	BFA1BG1
Old Model	BTUR-402
Speed Range	10rpm~80rpm
Shaking Orbit	circle
Time Range	1min~99h59min
Voltage	AC 100~230V, 50/60Hz
Power	16W
Fuse	250V, 1A, $\phi 5 \times 20$
Dimension	W.470 x D.190 x H.160mm
Net Weight	2.8kgs
Alt Name	Vertical Rotating Mixer



ACCESSORIES FOR PURCHASE

No	Accessories code	Name	Description
1	VM80-A	Holder Frame	1.5ml Centrifuge x 64
2	VM80-B	Holder Frame	15ml Sharp Bottom Tube x 22
3	VM80-C	Holder Frame	50ml Sharp Bottom Tube x 16



1



2



3

VORTEX MIXER BFA1DH1

VERTICAL ROTATING MIXER

Vertical Rotating Mixer is mainly used to provide efficient and gentle mixing of the experiment, keeping the biological sample in suspension, such as blood mixing. It is suitable for preventing blood coagulation, latex diagnosis, immunoprecipitation and other similar applications. Suitable for a wide range of tubes (1.5ml ~ 50ml) in the laboratory.



Exquisite appearance and sturdy construction; Special machine foot adsorption desktop, super stable and shockproof.
Stepper motor with stable performance, high power torque, low noise, stable low speed, strong high speed and long service life.
The three-inch color screen hologram displays all the parameters, graphical displays the current running attitude mode of the test tube, which is clear at a glance, and sound an alarm after the end of the operation.
Built-in M1~M10 ten kinds of mixing mode, one key to call, convenient and fast, to meet more experimental needs.
Built-in loops programmable, can achieve circulation between modes, can achieve unattended switching mode operation.
The test tube module is easy to assemble and equipped with fixed screws, which i

SPECIFICATIONS

Model	BFA1DH1
Speed Range	1rpm-80rpm
Time Range	1s-99h59min
Operating relative humidity	No more than 80%
Voltage	AC 90~230V, 50/60Hz
Power	48W
Dimension	W.462 x D.150 x H.180mm
Net Weight	2.1kgs
Alt Name	Vertical Rotating Mixer

ACCESSORIES FOR PURCHASE

No	Accessories code	Name	Description
1	VM-A	Tube holder	Max. Installation quantity12 / rack
2	VM-B	Tube holder	Max. Installation quantity20 / rack
3	VM-C	Tube holder	Max. Installation quantity12 / rack
4	VM-D	One trailer three reversing block	Max. Installation quantity 4 / rack
5	VM-E	installation rack	Detachable/can be spare for fixed common combination



1



2



3



4



5

FEATURES

Exquisite appearance and sturdy construction; Special machine foot adsorption desktop, super stable and shockproof.
Stepper motor with stable performance, high power torque, low noise, stable low speed, strong high speed and long service life.
The three-inch color screen hologram displays all the parameters, graphical displays the current running attitude mode of the test tube, which is clear at a glance, and sound an alarm after the end of the operation.
Built-in M1~M10 ten kinds of mixing mode, one key to call, convenient and fast, to meet more experimental needs.
Built-in loops programmable, can achieve circulation between modes, can achieve unattended switching mode operation.
The test tube module is easy to assemble and equipped with fixed screws, which is more reliable and durable. Multiple combinations

of modules, compatible with 1.5-50ml test tubes to meet more experimental requirements.

Note: The following tube holders can be freely combined. Users may choose according to actual needs.



Clockwise rotation continuously, rotation speed adjustable, whole running time adjustable.



360° Clockwise rotation, stays for 1.5s at initial point; rotation speed adjustable, whole running time adjustable.



180° Clockwise rotation, stays for 2s at initial point; rotation speed adjustable, whole running time adjustable.



135° Clockwise rotation, Jitter 2s; 225° Clockwise rotation, stays for 2s at initial point; amplitude adjustable, rotation speed adjustable, whole running time adjustable.



135° Clockwise rotation, Jitter 2s; 90° Clockwise rotation, stay for 2s; Jitter amplitude adjustable, rotation speed adjustable, whole running time adjustable.



135° Clockwise rotation, Jitter 2s; 90° Clockwise rotation, stay for 2s; Jitter amplitude adjustable, rotation speed adjustable, whole

running time adjustable.



110° Clockwise rotation, stay for 2s; 110° Anticlockwise rotation, stay for 2s; Jitter amplitude adjustable, rotation speed adjustable, whole running time adjustable.



110° Clockwise rotation, stay for 2s; 110° Anticlockwise rotation, stay for 2s at initial point; Jitter amplitude adjustable, rotation speed adjustable, running time adjustable.



110° Clockwise rotation, Jitter 2s; 110° Anticlockwise rotation, Jitter 2s; 110° Clockwise rotation, stay for 2s; 110° Anticlockwise rotation, stay for 2s; Jitter amplitude adjustable, rotation speed adjustable, whole running time adjustable.



Swinging counterclockwise & clockwise; angle adjustable, speed adjustable, running time adjustable.

VORTEX MIXER BFA1BN1

SMART MIXER

The smart mixer is a high efficiency, multi-functional, compact and widely used table mixer, which integrates the functions of blending and oscillation with the design concept of intelligent operation, and can be applied to a variety of blending and vortex operations.



The perfect mixing radius combined with excellent 2D mixing technology and adjustable mixing speed ensures fast and perfect mixing of multiple samples.

3-in-1 blocks:

Plates - Micro centrifuge tubes

96 well PCR plates (skirted, semi skirted, unskirted) - 0.2 ml PCR tubes and PCR strip

384 hole PCR plate - 0.5 ml Micro-test tube

96- and 384- deepwell plates - 1.5 ml Micro-test tube

MTP microplate, ELISA plate - 2.0 ml Micro-test tube

SPECIFICATIONS

Model	BFA1BN1
Old Model	BSTH-101
Speed Range	300~3000rpm
Touch Vortex Speed	3500rpm
Shaking Orbit	3mm
Time Range	1s~99h59min
Working Noise	<50dB
Voltage	AC 100~230V, 50/60Hz
Power	45W
Fuse	250V, 1A, Φ 5 x 20
Dimension	W.196 x D.270 x H.170mm
Net Weight	7.7kgs
Alt Name	Smart Mixer

ACCESSORIES FOR PURCHASE

No	Name	Accessories code	Description
1	Tube stand	MIX-A	96x0.2ml tube stand. Applied to 0.2ml PCR tubes, PCR strips and 96-wellPCR plates(semi-skirted and unskirted)
2	Tube stand	MIX-B	4x0.5ml
3	Tube stand	MIX-C	24x1.5/2.0ml



1



2



3

APPLICATIONS

Controllable and fast mixing makes good experimental conditions unity between the hole and hole / tube and tube. The reproducibility is improved.

Preparation of PCR reaction system

Precipitation suspension (such as bacteria, DNA, cell culture precipitation)

Incubation (ELISA enzyme immunoassay analyzer)

Protein staining quantitative (such as Bradford, Lowry, BCA)

Report gene assays (such as β -galactosidase, luciferase analysis)

Premixed reaction system

Mixing various kind of tubes

VORTEX MIXER BFA1BM1

MULTI-TUBE VORTEX MIXER

A Multi-tube Vortex Mixer can process 50 samples at the same time. A variety of accessories can be selected to meet the mixing needs with different specifications of test tubes.



Max capacity can process 50 samples at the same time to make the experiment more convenient and efficient.
Microprocessor control, simplistic designed appearance, LED displays the speed and time.

Friendly program designed, built-in short mix, timing operation, impulse and continuous modes. Operation stable and silent.

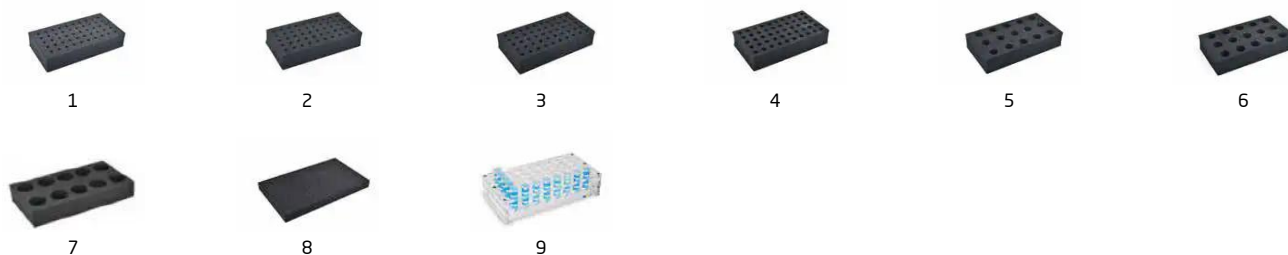
A foam tube frame and tray pad configured at random. Various types of foam tube frames and pads to choose. tube frames and pads to choose.

SPECIFICATIONS

Model	BFA1BM1
Old Model	BVMX-201
Speed Range	500~2500rpm
Speed Accuracy	±1rpm
Shaking Orbit	4mm
Time Range	1s~9999min
Interval timing between impulse	1~10s
Timing set for impulse working	1s~99min59S
Max Load	5kgs
Cover Plate Size	W.184 x L.311mm
Voltage	AC 100~230V, 50/60Hz
Power	60W
Fuse	250V, 1A, Φ5 x 20
Dimension	W.250 x D.426 x H.480mm
Net Weight	15kgs
Alt Name	Multi-Tube Vortex Mixer

ACCESSORIES FOR PURCHASE

No	Accessories code	Name	Number of holes	Description
1	DMT-A	Φ10mm foam tube frame	50	W.245 x D.132 x H.45mm
2	DMT-B	Φ12mm foam tube frame	50	W.245 x D.132 x H.45mm
3	DMT-C	Φ13mm foam tube frame	50	W.245 x D.132 x H.45mm
4	DMT-D	Φ16mm foam tube frame (suit for 15ml tube)	50	W.245 x D.132 x H.45mm
5	DMT-E	Φ25mm foam tube frame	15	W.245 x D.132 x H.45mm
6	DMT-F	Φ29mm foam tube frame (suit for 50ml tube)	15	W.245 x D.132 x H.45mm
7	DMT-G	Φ38mm foam tube frame (suit for 100ml tube)	10	W.245 x D.132 x H.45mm
8	DMT-H	tray pad set (up pad & base pad)	/	W.305 x D.178.5 x H.25mm
9	DMT-I	acrylic tube frame Φ11mm (suit for 1.5/2.0ml tube)	40	W.169 x D. 84 x H.41mm



VORTEX MIXER BFA1J1

BALL MILL MIXER

A ball mill mixer is a high-efficiency and safe laboratory grinding instrument. There are various types of grinders to choose from. It is an instrument with a wide range of applications in industrial and research laboratories. It can be used for homogeneous grinding soft,

hard, fibrous, brittle, etc. materials in the dry or wet state, have numerous applications in the chemical and pharmaceutical sectors, as well as in mineralogy and biological applications. The diameter of the center shaft of the special grinder is 18.25mm, and the minimum clamping length is 60mm, which can quickly homogenize two samples at the same time. The closed grinder ensures that the sample can be completely recovered after homogenization, and the final fineness can reach 1 μm . The fast grinding and extremely low final fineness make this model very suitable for sample preparation for spectroscopic analysis.



Exquisite design, stable body, man-machine angle design, easy to operate.

Quickly homogenize two samples at the same time, saving time.

Good sealing performance ensures complete recovery of homogeneous samples.

Good homogenization, final fineness can reach 1 μm , fast grinding and very low final fineness make the ideal for spectroscopic analysis.

Beads are available in a variety of materials and diameters for different types of samples.

Most samples can be homogenized and the integrity of biomolecules (DNA, RNA, proteins) and drug molecules is preserved.

When the cover is opened by mistake, it will automatically stop running to protect the safety of users.

SPECIFICATIONS

Model	BFA1J1
Old Model	BVMX-501
Application	Sample pretreatment, ultra-fine material preparation
Sample type	Hard, soft, elastic and fibrous samples
Max. feed size	<10mm
Sample Volume	Max. 2x50ml
Final discharge particle size	<5 μm (Depends on the nature of the sample)
Vibration frequency	Regular frequency: 180-1800 r/min, Up to: 2100 r/min
Grinding Kit Materials	Hardened steel, stainless steel, tungsten carbide, agate, Zirconia
Grinding jar size	0.2ml, 1.5ml, 2.0ml, 5ml, 10ml, 25ml, 35ml, 50ml
Voltage	100V-240V 50-60Hz
Power	150W
Grinding method	Dry grinding, wet grinding and cryogenic grinding
Working time setting	10s~99min59s
Interval time setting	10s~99min59s
Number of preset operating modes	10
Number of cycles	Max. 99 times
Appearance dimensions (protective cover closed)	W.350mmxD.455 mmxH.275mm

Appearance Dimensions (protective cover open)	W.350mmxD.455mmxH.550mm
Net weight	31.5kg
Alt Name	Ball Mill Mixer



ACCESSORIES FOR PURCHASE

No	Name	Grinding tank size	Grinding bead diameter (mm)	Number of grinding balls	Max. feed size (mm)
1	Capacity	25ml	4-10	1-15	6
2	Capacity	35ml	6-15	1-20	6
3	Capacity	50ml	8-20	1-25	8



Biolab Scientific Ltd.

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada

Email: info@biolabscientific.com | Website: www.biolabscientific.com