

**LAB1ST**



# Mixing



Labfirst Scientific Instruments (Shanghai) Co., Ltd.

# Microster M

## Microplate Mixer

## 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



## Applications

Lab1st Microplate Mixer is used for holding single or double microplates. The footprint of Microster M 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




Brushless DC motor




Wide range of accessories




**VT1.3.1 tube adapter** Cat. No.921004  
for 48 holes test tubes, Ø6mm



**VT1.3.6 PCR tube adapter** Cat. No.921012  
for 56 test PCR tubes, strips of 8, Ø5mm (0.1 mL-0.5 mL)




**VT1.3.2 tube adapter** Cat. No.921005  
for 15 holes test tubes, Ø10mm



**PS1.1 Universal top plate** Cat. No.921201  
Used with tube adapters




**VT1.3.3 tube adapter** Cat. No.921006  
for 12 holes test tubes, Ø12mm




**PS1.2 Microplate clamp** Cat. No.921202




**VT1.3.4 tube adapter** Cat. No.921007  
for 8 holes test tubes, Ø16mm



**MXM-116** Cat. No.921203  
Double microplate clamps




**VT1.3.5 tube adapter** Cat. No.921008  
for 8 holes test tubes, Ø20mm



Specifications	Microster M
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: 0-1500rpm Double microplate: 0-1000rpm
Speed display	Scale
Voltage, Frequency	100-240V, 50/60Hz
Power	20W
Dimension	260×150×80mm
Weight	3kg
Permissible ambient temperature and humidity	5-40°C, 80%RH
Protection class	IP20



Lab1st mixers range can be divided into different series as per mixing speed, working mode, load capacity etc:

Series	Image	Model	Speed Range	Working mode	Capacity
<b>Vortex Mixer</b>		Vortex S	0~3000rpm	Orbital (touch + continuous modes)	-
		Vortex F	3000rpm(fixed)	Orbital (touch + continuous modes)	-
		Vortex E	3000rpm (fixed)	Orbital (touch mode)	-
		Vortex C	0~3000rpm	Orbital (touch + continuous modes)	8x2mL
<b>Microplate Mixer</b>		Microster M	0~1500rpm	Orbital (continuous mode)	0.5Kg
<b>Disk Rotator</b>		Rotaster 3	10~70rpm	360° rolling (timer + continuous)	60x1.5mL, 16x15mL, 8x50mL, (available for 3 layers)
<b>Rotisserie Rotator</b>		Grillster T	10~70rpm	360° rolling (timer + continuous)	48x1.5mL, 24x15mL, 24x50mL
<b>Disk Rotator</b>		Rotaster 1 basic	0~80rpm	360° rolling (continuous)	48x2mL, 16x15mL, 8x50mL
<b>Rotisserie Rotator</b>		Grillster basic	0~80rpm	360° rolling (continuous)	32x2mL, 20x15mL, 16x50mL
<b>Rocker</b>		See-saw 30 basic	0~30rpm	30±3° rocking (continuous)	10x10mL, 4x50mL
		See-saw 30L	0~30rpm	30±3° rocking (continuous)	16x10mL 6x50mL
		See-saw 30D	0~30rpm	40±3° rocking (continuous)	32x10mL, 12x50mL
<b>Roller</b>		Rollster 6	0~70rpm	360° rocking&rolling (timer + continuous)	4Kg
		Rollster 6 basic	0~70rpm	360° rocking&rolling (continuous)	4Kg

Lab1st shaker series can be divided to different types as per different motion models:

Series	Image	Model	Plate Size	Display	Speed Range	Max. Load Capacity
<b>Orbital Shaker</b>		Orbiter 330	32x32cm	LCD	100-500rpm	7.5Kg
		Orbiter 250	25x24.5cm	LCD	100-800rpm	2.5Kg
		Orbiter 330 basic	33.5x33.5cm	LCD	70-400rpm	3Kg
		Orbiter 250 basic	26.8X26.8cm	LED	40-200rpm	2Kg
<b>Linear Shaker</b>		Recipster 330	32x32cm	LCD	100-350rpm	7.5Kg
		Recipster 250	25x24.5cm	LCD	100-350rpm	2.5Kg
<b>Rocking Shaker</b>		Wavester 330	30x28.5cm	LCD	10-70rpm	10Kg
		Wavester 250 basic	26.8x26.8cm	LED	10-80rpm	2Kg
<b>3D Shaker</b>		3D-Ster 330	30x28.5cm	LCD	10-70rpm	5Kg