Multi-Tube Vortex Mixer - High-Throughput Lab Vortexer - 500-3000 rpm - 7-Inch Touch Screen

Model **MSVMX-R3000SWISS** | Brand **Master Science**





The Master Science Multi-Tube Vortex Mixer is designed for laboratories that mix large batches of samples at the same time. With foam racks it holds up to 66 tubes of 2 ml, or 18 tubes of 50 ml as standard, and racks for 15 ml and 100 ml vials are also available.

KEY HIGHLIGHTS

- Mix dozens of tubes at once
- Flexible methods
- Easy to monitor
- Unattended runs
- For single-tube mixing, see our vortex mixer.

AT A GLANCE

500 to 3000 rpm SPEED	**AC 200-240 V, 50/60 Hz, 150 W** POWER SUPPLY
1 s to 160 h, audible alarm at end TIMER	**18 × 50 ml centrifuge tubes (Ø29 mm)** STANDARD CAPACITY

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

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Overview

It is widely used for QuEChERS extraction of pesticides, antibiotics and drugs, for mixing reagents in PCR and DNA extraction, and for cell culture work. A brushless motor drives an eccentric 3.6 mm orbit at 500 to 3000 rpm, and the 7-inch colour touch screen of the Master Science Multi-Tube Vortex Mixer shows the set time, speed and remaining time in real time.

Vortexing samples one at a time is slow and inconsistent. The Master Science Multi-Tube Vortex Mixer helps with:

Key Benefits

Mix dozens of tubes at once
Up to 66 samples per run saves hours of manual vortexing.

Flexible methods
Multi-step programmes, pulse and forward/reverse modes suit different matrices.

Easy to monitor
Touch screen shows speed and remaining time in real time.

Unattended runs
Delayed start, cycling and an end-of-run alarm.

For single-tube mixing, see our vortex mixer.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSVMX-R3000SWISS
SKU	MSVMX-R3000SWISS
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Oscillation Mode	Eccentric rotation, 3.6 mm amplitude
Speed	500 to 3000 rpm
Motor	Brushless
Timer	1 s to 160 h, audible alarm at end
Standard Capacity	**18 × 50 ml centrifuge tubes (Ø29 mm)**
General	Max. Capacity: 66 × 2 ml tubes with suitable rack
Operating Modes	Pulse, programmed, forward/reverse
Programming	Up to 4 steps per method, 50 stored methods
Delayed Start / Cycling	Selectable interval, delayed start up to 12 h
Safety	Emergency stop button, status indicator light
Display	7-inch colour touch screen
Operating Environment	10 to 40°C, 20-70% RH
Power Supply	AC 200-240 V, 50/60 Hz, 150 W

DIMENSIONS & WEIGHT	
External Dimensions	400 × 310 × 520 mm

PROBLEMS THE MASTER SCIENCE MULTI-TUBE VORTEX MIXER SOLVES	
Time-consuming manual vortexing	Batch mixing of up to 66 tubes in a single run.
Uneven mixing between samples	Every tube receives the same speed and time.
Complex mixing protocols	Programmed multi-step methods change speed automatically.
Operator fatigue	Hands-free operation with delayed start and alarms.

Applications

The Master Science Multi-Tube Vortex Mixer is used for

QuEChERS extraction of pesticides, antibiotics and drugs Reagent mixing for PCR and DNA extraction Cell culture mixing Food, chemical and pharmaceutical sample preparation High-throughput testing laboratories

Drive

- Brushless motor
- Eccentric orbit, 3.6 mm amplitude
- 500 to 3000 rpm

Control

- 7-inch colour touch screen
- Pulse, programmed and forward/reverse modes
- Up to 4 steps per method, 50 methods stored
- Delayed start up to 12 h and selectable cycle intervals
- Run log and error reporting

Sample Handling

- Standard rack for 18 × 50 ml tubes
- Racks available for 15 ml and 100 ml vials
- Customized racks available

Safety

- Emergency stop button
- Status indicator light
- Audible alarm at end of run

Standard Accessories Included

- Vortex mixer main unit
- Rack for 18 × 50 ml tubes

Optional Accessories

- Racks for 15 ml, 100 ml or 2 ml tubes
- Customized racks