

TECHNICAL DATA SHEET

ALab™ MVM25 Multi-tube Vortex Mixer

Multi-tube vortex mixer • 50 samples at the same time • 500–2500 rpm • timing range 1 s–9999 min • DC brushless motor



ALab™ MVM25 Multi-tube Vortex Mixer

The ALab™ MVM25 is a multi-tube vortex mixer that can mix and process 50 samples at the same time. Image shown for reference.

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ACS MATERIAL, LLC

959 E Walnut St., Suite 100
Pasadena, CA 91106, USA
Phone +1 (866) 227-0656
Fax +1 (781) 518-0284
contact@acsmaterial.com
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SECTION I

Product Overview

The ALab™ MVM25 Multi-tube Vortex Mixer can mix and process 50 samples at the same time. Various accessories can be selected and they can meet the requirements of vortex mixing of tubes of different specifications; many models of foam test tube racks can be selected. It is quiet and stable.

The MVM25 has a speed range of 500–2500 rpm, an amplitude of oscillation of 4 mm, a precision of ± 1 rpm and a timing range of 1 s–9999 min, with built-in timing, continuous and touch operating modes. It uses a DC brushless motor and has a maximum loading capacity of 5 kg. Published electrical specifications are: power, 60 W; input power, AC 100–230 V, 50/60 Hz; fuse, 250 V, 1 A $\phi 5 \times 20$. The foam test tube clamps, replaceable pallet and acrylic test tube clamp are listed below.

SECTION II

Core Advantages

- **50 samples at once** — mixes and processes 50 samples at the same time
- **Quiet and stable** — DC brushless motor, 60 W, AC 100–230 V, 50/60 Hz
- **5 kg loading capacity** — maximum loading capacity 5 kg; net weight 15 kg
- **Three operating modes** — built-in timing, continuous and touch operating modes
- **500–2500 rpm** — amplitude of oscillation 4 mm, precision ± 1 rpm, timing range 1 s–9999 min
- **Many foam test tube racks** — clamps for 10, 12, 13, 16, 25, 29 and 38 mm tubes, a replaceable pallet and an acrylic test tube clamp

SECTION III

Specifications

Technical data — MVM25

Specifications	
Brand	ALab™ by ACS Material
Product Name	ALab™ MVM25 Multi-tube Vortex Mixer
Model	MVM25
SKU #	ALMVM500
Product Type	Multi-tube vortex mixer
Speed range	500–2500 rpm
Amplitude of oscillation	4 mm
Precision	± 1 rpm
Timing range	1 s–9999 min
Maximum loading capacity	5 kg
Motor type	DC brushless motor
Operating mode	Inching/Continuous mode
Dimensions of top cover plate	W 184 × L 311 mm
Power	60 W
Input power	AC 100–230 V, 50/60 Hz
Fuse	250 V, 1 A $\phi 5 \times 20$
Dimensions	W 250 × D 426 × H 480 mm
Net weight	15 kg

Accessories — Foam test tube clamps, pallet and acrylic clamp

Accessories	
Accessory	Description
φ10 mm foam test tube clamp	50 holes; W 245 × D 132 × H 45 mm
φ12 mm foam test tube clamp	50 holes; W 245 × D 132 × H 45 mm
φ13 mm foam test tube clamp	50 holes; W 245 × D 132 × H 45 mm
φ16 mm foam test tube clamp	50 holes; W 245 × D 132 × H 45 mm; it can place 15 mL centrifugal tubes
φ25 mm foam test tube clamp	15 holes; W 245 × D 132 × H 45 mm
φ29 mm foam test tube clamp	15 holes; W 245 × D 132 × H 45 mm; it can place 50 mL centrifugal tubes
φ38 mm foam test tube clamp	10 holes; W 245 × D 132 × H 45 mm; it can place 100 mL centrifugal tubes
Replaceable pallet (upper and lower)	W 305 × D 178.5 × H 25 mm
φ11 mm acrylic test tube clamp	40 holes; W 169 × D 84 × H 41 mm; it can place 1.5/2.0 mL centrifugal tubes

Scope of delivery

- **Standard configuration:** one MVM25 main unit.
- **Additional accessories:** specify separately in the quotation. The accessory table lists the available clamps and pallet, not the standard packing list.

SECTION IV

Applications

For vortex mixing of tubes of different specifications, with up to 50 samples processed at the same time, where a quiet and stable multi-tube vortex mixer with built-in timing, continuous and touch operating modes is wanted.

Product value: 50 samples at the same time, a 500–2500 rpm speed range, a 1 s–9999 min timing range and a DC brushless motor in a W 250 × D 426 × H 480 mm, 15 kg instrument. Choose the foam test tube clamp or acrylic test tube clamp that matches your tube type before ordering.

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