Vortex Mixer
(Part #: VM2000, VM3000, VM3000V)

User Guide

Index

I. Brief Introduction……3

II. Product Overview……...3

III. Opening Check……..4

IV. Product Introduction……4

V. Technical Data……5

VI. Operation Guide……..5

- *Application……..5*
- *Applied Area……..……5*
- *Using Steps……..……..5*
- *Instrument Use Environment…….……..6*
- *Safety Precautions……...…6*

I: Brief Introduction

The Scigiene mini vortex mixer adopts international advanced design concept and manufacturing technologies. It has the advantages of a compact and firm structure with high versatility and simple operation. This vortex mixer is mainly used to prevent blood coagulation, immunoprecipitation and other similar laboratory purposes. It is mainly used for molecular hybrid blood and other samples that need to be mixed.

II: Product Overview

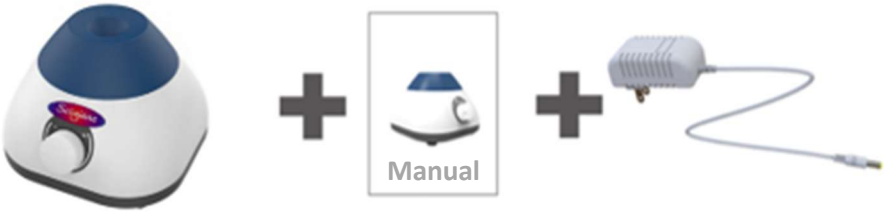
Part #: VM3000

Part #: VM2000

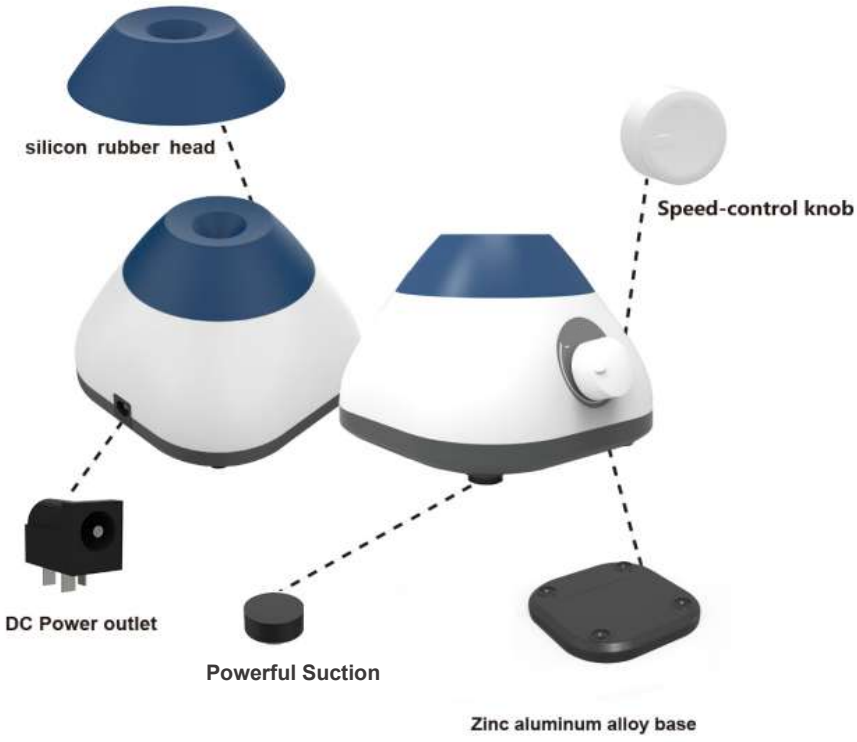
Part #: VM3000V

III: Opening Check

Please check the instrument and appendix with the packing list when you first open the instrument packing case. If you find there is something wrong with the instrument and the appendix, please contact Scigiene.



IV: Product Introduction



V: Technical Data

Part #	VM2000	VM3000	VM3000V
Control Method	Touch-style (Fixed speed)	Touch-style (Fixed speed)	Knob-style (Adjustable speed)
Motor	Brushless motor	Brushless motor	Brushless motor
Shaking Orbit	4.5mm (circle)	4.5mm (circle)	4.5mm (circle)
Loading Capacity	50ml	50ml	50ml
Shaking Speed	2000RPM	3000RPM	0 to 3000RPM
Enclosure Protection Level	IP42	IP42	IP42
Power	6W	12W	12W
Voltage	100/240V – 50/60HZ	100/240V – 50/60HZ	100/240V – 50/60HZ
Allowable Ambient Temperature	5-40˚C, 80%RH	5-40˚C, 80%RH	5-40˚C, 80%RH
Dimensions	100 x 100 x 66mm	93 x 93 x 72mm	100 x 93 x 72mm
Weight	0.51/0.32kg	0.55/0.36kg	0.56/0.37kg

VI: Operation Guide

Application

It is mainly used for molecular hybrid blood and other samples that need to be mixed.

Applied Area

It is widely used as an experimental tool in institutions of higher learning, environmental protection, sanitation, epidemic prevention, chemical industry, tap water and medical treatment.

Using Steps

- Plug it in and turn the knob to the right to adjust the speed
- Place the centrifuge tube or test tube to the top center, click mode, touch and press lightly to run

Instrument Use Environment

- Indoor use
- Altitude: ≤2000m
- The working temperature range of the instrument is +5˚C~+40˚C
- The applicable temperature range of the instrument is ≤80%
- There are no vibrations and airflows around to effect performance
- No conductive dust, explosive gas or corrosive gas in the surrounding air
- Maintain a safe distance of 10cm from front to back, left and right when working

Safety Precautions

- Do not unplug and plug the power connector and toggle the power button when the hands are wet with liquid
- Do not unplug the power plug when the instrument is powered on
- Do not clean the instrument under power-on state
- Do not install the instrument on a work surface that is uneven, swaying and vibrating