



User Manual

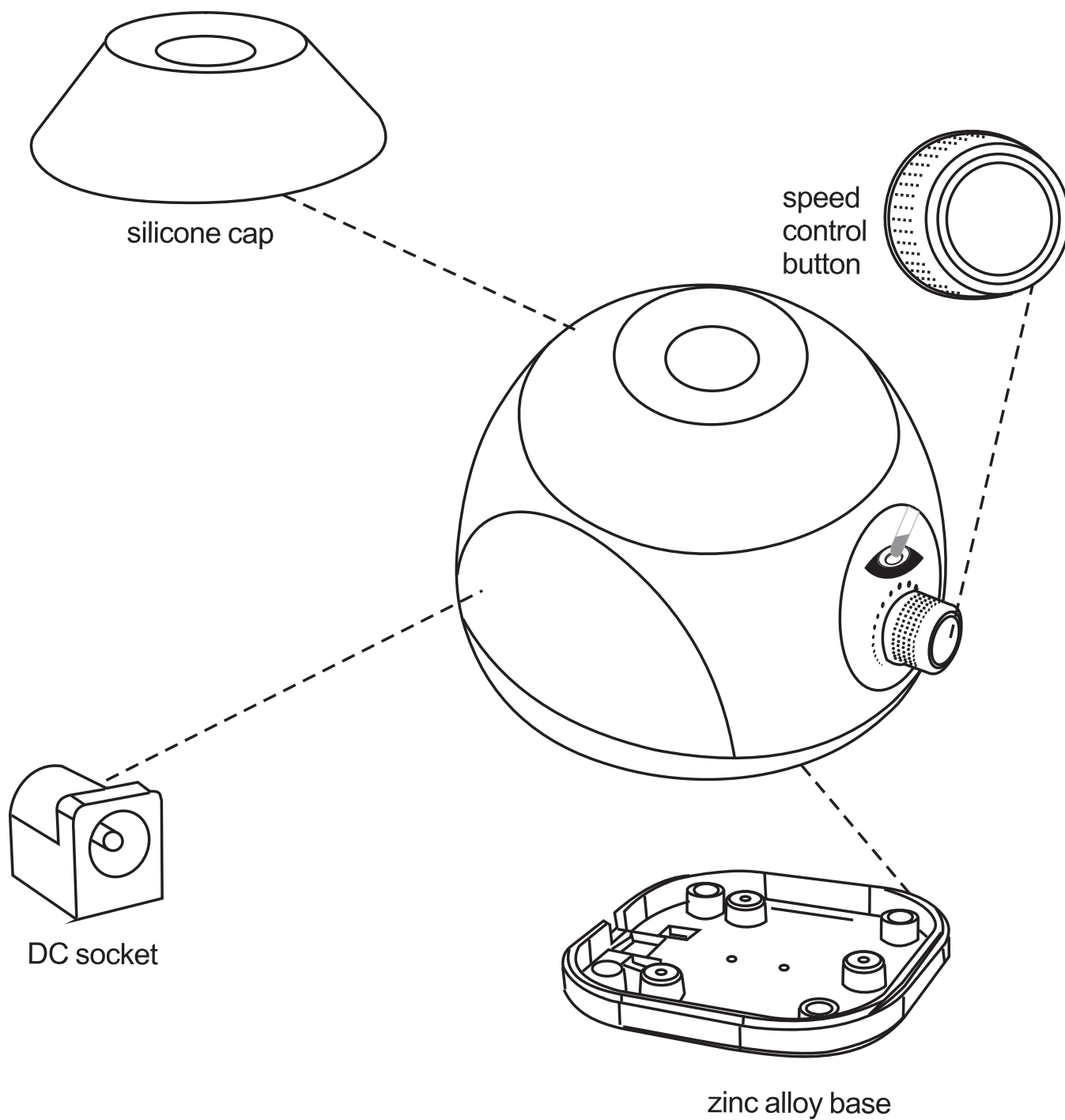
1.Product Brief

The Vortex Mixer is an essential piece of laboratory equipment, designed with cutting-edge international concepts and advanced manufacturing technologies. Its sleek and attractive appearance, combined with a robust and compact structure, makes it a versatile and user-friendly instrument. It offers high utility in scientific research and experimental settings, particularly due to its ability to prevent blood coagulation and facilitate immunoprecipitation. The Vortex Mixer is primarily utilized for the efficient mixing of molecular hybrid blood samples and other substances that require thorough blending. Its simplicity of operation and broad application range make it an invaluable tool in modern laboratories, enhancing the precision and efficacy of various experimental procedures.

2.Product Overview



3.Product Introduction



4.Product Data

Model	Vortex V	Vortex F
Product name	vortex mixer	
Product image		
Type	Adjustable speed	Fixed speed
Motor	Brushless motor	Brushless motor
Orbital diameter	4.5mm	4.5mm
Max liquid handling capacity	50	50
Speed range	0–3000	3000
Power	12	12
Voltage	100–240V 50/60Hz	100–240V 50/60Hz
Permissible ambient temperature & relative humidity	5~40℃, 80%RH	5~40℃, 80%RH
Dimension	200*140*120	200*140*120
Weight	0.599/0.393	0.584/0.378

5.Application Usage

Application

Primarily utilized for molecular hybrid blood and other samples requiring mixing.

Usage

This Instrument is commonly utilized in various sectors, including universities, environmental protection, healthcare, epidemic prevention, chemical testing of tap water, and medical laboratories, serving as an essential experimental instrument.

Steps for Usage

Plug in the device and turn the knob to the left to adjust the speed.

Position the centrifuge tube or test tube at the top center, select the mode, and gently press to start the operation.

Instrument using environment

- > Indoor use
- > Altitude: $\leq 2000\text{m}$
- > The working temperature range of the instrument is $+5^{\circ}\text{C}\sim+40^{\circ}\text{C}$
- > The applicable temperature range of the instrument is $\leq 80\%$
- > There is no vibration and airflow that affect performance around
- > There is no conductive dust, explosive gas and corrosive gas in the surrounding air
- > Keep a safe distance of 10cm when the vortex mixer is working

Safety precautions

- > Do not plug and unplug the power connector or switch button when hands are wet!
- > Do not plug the power plug when the vortex mixer is working!
- > Do not maintain and scrub when the vortex mixer is power on!
- > Do not install the vortex mixer on uneven or shaking workbench surface!

6.Packing List

- Vortex Mixer
- Instruction manual
- Power Line



Product Conformity certificate

- Product Name: _____
- Product Model: _____
- Model Options:
 - **Vortex V**
 - **Vortex F**
- Production Date: _____

This product has successfully passed inspection and is approved for sale in the market.