

TGyrate Mini Vortex User's Manual



Catalog Number	Product Name
OSE-VX-03	TGyrate Mini Vortex

Safety Precautions

1. This instrument is mainly used for mixing samples in the laboratory and should be operated by professionals.
2. This instrument should be placed on a sturdy horizontal workbench.
3. Mixing flammable and explosive objects is prohibited. And exposure to corrosive objects and liquids should be avoided.
4. If the instrument slips during operation, clean the table and footpad with a damp cloth.
5. Ensure the container is sealed before use to prevent spilling of liquid.
6. Turn off the power supply if the instrument is not used for a long time.

Product Description

The TGyrate Mini Vortex is a mini vortex that uses eccentric rotation to create a vortex of liquid in a test tube to mix the sample thoroughly. The instrument can be used to mix samples in a variety of sizes of centrifuge tubes. The TGyrate Mini Vortex uses a DC brushless motor for long service life and low noise, with the direct motor drive and high vortex strength, leading to fast mixing of samples. The adapter is made of wear-resistant silicone; the triangular-shaped adapter design ensures the stability of the adapter; the silicone foot pad design ensures that speed, the instrument runs firmly without displacement at the maximum.

Quality Warranty

The TGyrate Mini Vortex has a warranty period of 12 months.

Damage caused by incorrect operation or unauthorized modification with accessories or spare parts not provided by TIANGEN is not covered by the warranty. The warranty does not cover normal spoilage, radioactive contamination, or damage caused by improper cleaning.

Package Composition

	Quantity	Unit
Host of TGyrate mini vortex	1	Set
Power Adapter	1	pcs
User's Manual	1	Copy
Certificate of Conformity	1	Copy
Product Warranty Card	1	Copy

Product Diagram



Technical Parameters

Model	OSE-VX-03
Movement Mode	Approximate circular motion
Circulation Diameter	4.5 mm
Rotation Speed	3000 rpm
Operation Mode	Touch
Replaceable Accessories	Silicone adapter
Motor	DC brushless motor
Maximum Load Capacity	0.1 kg
Operating Ambient Temperature	5-40°C
Ambient Humidity (relative)	80%
60529 Protection Class	IP42 (only if the instrument is fitted with a fixture)
Input Power	DC 12 V 1.5 A
Motor Output Power	7.5 W
External Dimensions (W × D × H)	97×97×81 mm
Weight	0.8 kg

Operation Guide

1. The instrument should be placed on a horizontal workbench. Make sure the table and feet are clean and free of dust. Place the instrument carefully, and press the instrument gently downward to ensure that the feet of the instrument firmly stick to the table.
2. Connect the instrument to a power supply, with the power adapter providing 12V DC voltage.
3. Press the central dish part of the silicone adapter with the bottom of the centrifuge tube, run the instrument and mix the sample.

Note: Keep the sample container upright and apply the minimum pressure required during mixing. If the silicone adapter is excessively worn, please contact TIANGEN for disassembly and replacement.

Maintenance and Care

Make sure the instrument is turned off and disconnect the power cord. We recommend that customers use 75% alcohol or pH=7 non-corrosive washing liquid to the instrument's surface. Ensure all parts of the instrument are completely dry before running. Be careful not to immerse the instrument in liquid or wet the instrument with liquid.

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