

Multi-Tube Vortex Mixer

Optimized for QuEChERS

The Ideal Solution for Drug Residue Extraction

3D Shaking • Safe & Space-Saving



Features



High-Speed 3D Shaking

- 1 ♦ Maximum speed of 3000 rpm for rapid and thorough mixing.
- ♦ Continuous and intermittent modes for flexible applications.



Designed for QuEChERS

- 2 ♦ Compatible with 15 mL or 50 mL centrifuge tubes, ideal for QuEChERS workflows.
- ♦ Detachable rack allows easy batch processing and cleaning.



Safe & Space-Saving

- 3 ♦ Safety shield prevents liquid splashes and ensures safe operation.
- ♦ 80% smaller footprint – compact and stable.

Applications

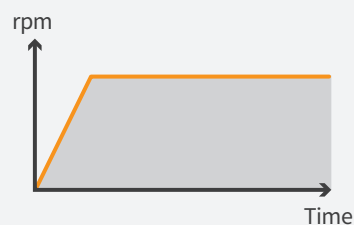
- ♦ QuEChERS extraction
- ♦ Drug residue analysis: pesticides, veterinary drugs
- ♦ Sample pretreatment: blending



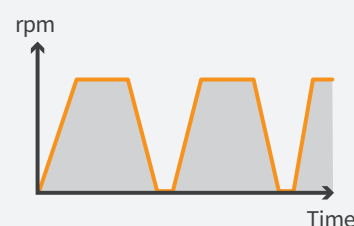
Certification

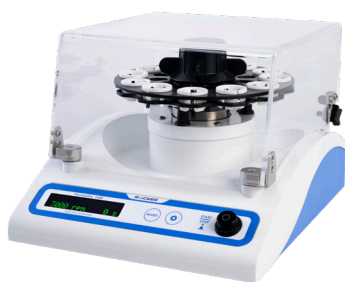


Continuous Mode

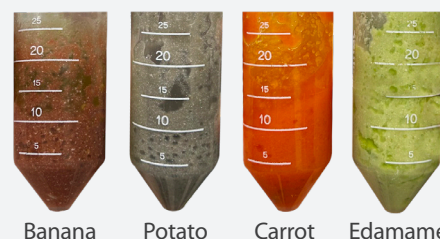


Intermittent Mode





Sample Mixing Results (with Homogenizing Beads)



Specification

Model	Tornado 100
PERFORMANCE DATA	
Speed	0 ~ 3000 rpm (w/o sample)
Timer	(1) Countdown timer: 1 ~ 240 min (2) Counter: 0 ~ 999 min
Operation mode	• Continuous mode • Intermittent mod
Applicable vials	15 mL centrifuge tube (Ø 16.5 ~ 17.0 mm) 50 mL centrifuge tube (Ø 28.6 ~ 29.6 mm)
Max. loading	420 g
Display	OLED
Noise	65 dB @Max. rpm
Net Weight	12.1 Kg
Dimension (LxWxH)	36 x 30 x 24 cm (with safety shield)
ELECTRICAL DATA	
Voltage	100-240V
Frequency	50 / 60Hz
Max. power	130W
Safety	Safety Shield, Overload Protection, Fuse



Ordering Information

193100-01(02)	Tornado 100, Multi-Tube Vortex Mixer, AC100-240V, 50/60Hz, US plug (EU plug)
193000-01	Rack, 50 mL x 6 + 15 mL x 6

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