

multi-tube vortex mixer with pulse and instant function

Multi-tube vortex mixer adopts DC brushless motor drive, combined with microcomputer control technology to realize efficient sample mixing. The equipment is equipped with color LCD screen, displaying information more intuitively and clearly.

Multi-Tube Vortex Mixer

Main Features

1. Color LCD display: Real-time speed, time, and status—intuitive operation and feedback.
2. Flexible timing: Set from 1 min to 99 hr 59 min, with automatic end beep.
3. Versatile test tube racks: Compatible with various tube sizes for enhanced utility.
4. Pulse mixing function: Intermittent pulse mode for thorough, uniform mixing.
5. Brushless DC motor: Precise speed control, long service life, no maintenance required.
6. Efficient sample handling: Processes up to 26 samples simultaneously—boosts throughput.
7. Four operation modes: Timed, continuous, pulse, and spot—choose the optimal mode for every experiment.



Advantages

1. High efficiency: Handles 26 samples at once—ideal for high-throughput research.
2. Precise control: Microprocessor ensures accurate mixing speed and time for reliable results.
3. Maintenance-free: Brushless motor reduces downtime and extends equipment lifespan.
4. Multi-functional: Multiple operating modes offer flexibility for diverse experimental needs.

Working Principle

A DC brushless motor drives the rotating platform, creating a vortex mixing effect. The microcomputer control system adjusts speed and time per user settings, ensuring uniform and thorough sample mixing. Pulse mode delivers intermittent mixing for enhanced reaction efficiency.

Applications

1. Biotechnology: Cell culture solution and enzyme reaction mixing.
2. Microbiology: Culture medium and bacterial sample homogenization.
3. Medical analysis: Mixing serum, drug solutions, and biochemical reagents.
4. Chemical experiments: Uniform mixing of reactants and reagents.
5. High-throughput screening: Simultaneous processing of multiple samples for drug screening and molecular biology.

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Model	BV30
Orbit	3mm
Operating modes	touch or continuous
Speed range	500rpm to 3000rpm
Timer	1 minute to 99 hours 59 minutes or continuous
Intermittent operation timing range	2 seconds to 9 minutes 59 seconds
Intermittent timing range	1 seconds to 9 minutes 59 seconds
Load weight	≤4.5kg
Power supply	100Vac to 240Vac, 50-60Hz
Power	150W
Dimensions	380x250x210mm
Weight	14.5kg

Standard accessories

Order code	Specification	Suitable for the height of tubes
BV30-T16	φ10mm to φ16mm	160mm
BV30-T32	φ16mm to φ32mm	120mm