

mini orbital shaker designed for flasks and petri dishes

Mini orbital shaker realizes uniform mixing of liquid samples through orbital gentle oscillation movement, suitable for mild cultivation, biological reaction and all kinds of molecular biology experiments in the scene of high requirements for oscillation conditions.

Mini Orbital Shaker

Main Features

1. Brushless motor: DC brushless motor for smooth, quiet running, long life, and minimal maintenance.
2. Precise, adjustable speed: Freely set oscillation speed (50–300 rpm) to match different sample needs.
3. Strong adaptability: Interchangeable trays for test tube racks, Petri dishes, flasks, and more.
4. Intuitive control interface: LED digital display for speed, time, and status; simple push-button operation.
5. Powerful timing function: Set from 1 minute up to 100 hours, with automatic alarm for unattended runs.
6. Low-temperature applicable: Compact size fits in incubators/freezers for low-temp experiments.
7. Track diameter: 10mm—gentle, uniform orbital motion.



Core Advantages

1. Flexible placement: Lightweight, compact—fits countertops, incubators, freezers, and tight spaces.
2. Low maintenance: Brushless motor reduces wear and failures—minimizes lab operating costs.
3. Excellent repeatability: Uniform orbital motion ensures consistent mixing and reliable results.
4. Energy saving: Low power consumption and efficient heat dissipation—ideal for long-term use.

Working Principle

The shaker's brushless motor drives the tray in a circular orbital motion, ensuring even liquid distribution without damaging sensitive samples. This motion prevents foam and contamination, making it ideal for cell and bacterial culture.

Application Areas

1. Life sciences: Cell culture, DNA extraction, protein mixing.
2. Microbiology: Gentle shaking for bacteria and fungi culture.
3. Medical analysis: Mixing blood samples, diagnostic reagents.
4. Drug R&D: Solution mixing in screening and synthesis.
5. Food/cosmetic testing: Dispersion, pretreatment of emulsions, suspensions, and more.

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Model	TS10
Rotational Speed	50rpm to 300rpm
Orbital Diameter	10mm
Timer Range	1 minute to 99 hours 59 minutes, continuous operation
Dimensions	284x264x90mm
Maximum Load	3kg
Power Supply	100Vac to 230Vac, 50Hz, 60Hz, 35W