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Product Name :

Vortex Test Tube

Product Code :

SLE/CL/66



Science Lab

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Description :

Vortex Test Tube (Product Code: SLE/CL/66) is a compact vortex mixer for one test tube at a time: pressing a tube into its rubber top sets the head moving in a small circular horizontal orbit that swirls samples and reagents into a vortex. Clinical, microbiology and molecular biology labs rely on this kind of vortex mixer in India for resuspending cells, mixing serum with reagents and preparing dilutions. This mixer is a product of **Jain Scientific Equipments Pvt Ltd (ScienceLab)** , Ambala, Haryana.

Specifications

Parameter	Detail
Type	Compact shaker/vibrator for a single test tube
Tube size	Rubber top cavity takes tubes up to 30 mm diameter
Operating modes	Touch mode (starts mixing when the rubber top is pressed down with a tube) and switch mode for continuous operation
Speed	Continuously adjustable, up to 3200 rpm
Orbit	Circular horizontal orbit of 5.6 mm
Stability	Non-skid feet prevent the shaker from sliding
Power requirements	100 V to 240 V, 50/60 Hz, with voltage surge protection
Intended use	Mixing samples and reagents

Typical Use

In touch mode the mixer waits until a tube is pressed onto the rubber cup, so a technician can work through a rack quickly: pick up a tube, hold it near the top, press for a few seconds, and return it. Switch mode keeps the head running continuously, which is handy for longer mixing such as dissolving a pellet or suspending beads while both hands prepare the next step.

Start at a lower speed and increase it until the liquid forms a vortex without climbing to the cap, and always close or cover tubes that contain infectious material. For whole blood, gentle inversion or a rotator is preferred over vigorous vortexing. It is a small but frequently used piece of lab equipment for research in India, from student DNA extraction practicals to routine serology.

Manufacturer

Jain Scientific Equipments Private Limited, known to customers as ScienceLab, makes mixers, shakers and other bench instruments at Ambala in Haryana for hospitals, colleges and research groups. Our company profile tells you more.

Related Clinical Laboratory Equipment

Tubes, racks and tools used with the vortex mixer:

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