Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Manual Centrifuge

Product Code :

SLE/CL/69



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Description :

Manual Centrifuge (Product Code: SLE/CL/69) is a hand-operated centrifuge that spins four 15 ml conical tubes in a swing-out rotor without needing any electrical supply. Turning the handle drives a dismountable aluminium gear structure up to a maximum shaft speed of 3000 min^-1, enough for routine sedimentation work such as urine deposits or separating serum from clotted blood. Health posts, field laboratories, outreach programmes and teaching rooms use it where mains power is unreliable or absent. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala.

Specifications

Parameter	Detail
Type	Manual (hand-operated) centrifuge
Drive	Dismountable aluminium gear structure
Maximum shaft speed	3000 min^-1
Rotor	Swing-out rotor for 4 x 15 ml conical tubes (swings to 90°)
Buckets	4 aluminium buckets for test tubes
Base	Aluminium
Mounting	Bench clamp with adaptable screw (0 to 40mm)
Power	None required – hand operated

Typical Use

Fix the centrifuge to the edge of a sturdy table using the bench clamp, then load the buckets in opposite pairs with tubes filled to the same level so the rotor stays balanced. Crank the handle smoothly, building speed gradually, and hold it steady for the time your method specifies. When you stop turning, let the rotor coast to rest on its own rather than slowing it by hand, so the sediment is not stirred back up. The swing-out buckets lie horizontal during the spin, which gives a compact pellet at the tip of each conical tube.

For anyone comparing a laboratory centrifuge in India for off-grid clinics, school biology practicals or emergency field kits, the attraction of this model is its independence from power and generators. Because the gear structure can be dismounted, the unit also packs down for transport between sites. Wipe the buckets after every session and dry them fully before storage.

Manufacturer

Jain Scientific Equipments Private Limited, which trades as ScienceLab from Ambala in Haryana, manufactures this manual centrifuge as part of its clinical laboratory line for health and education customers. More about the company is set out on the ScienceLab profile page.

Related Clinical Laboratory Equipment

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