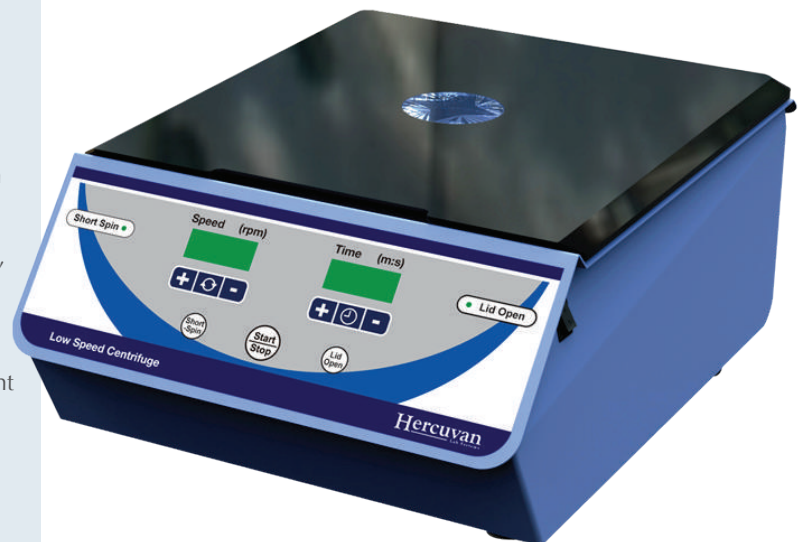


TT-4500 Low Speed Centrifuge

HIGHLIGHTS

- Maximum speed: 4500 rpm (2,490 x g)
- Intuitive LCD control panel
- Multiple time setting modes: Short mix, digital time setting and continuous
- Rapid and gradient acceleration and deceleration
- Automatic lid release upon program completion
- Multiple safety features: double-layered safety lid, auto-lock function, audio alert and automatically stop when over-speed, over-heat and imbalance occurred
- Quiet operation for peaceful working environment
- Run-to-run reproducibility, timer starts when the selected rotational speed is reached
- Fully autoclavable rotors (120°C)
- Rust-free and easy to clean stainless steel rotor chamber

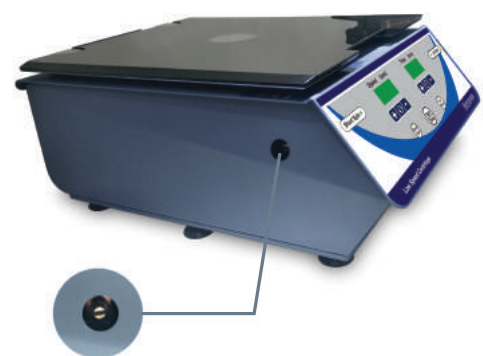


An economic benchmark of low speed centrifugation

TT-4500 Low Speed Centrifuge is a contemporary low speed benchtop centrifuge designed for operation with centrifuge tubes and conical tubes up to 50ml. It is intended for biological sample separation with adjustable speed range of 300-4500rpm which is widely used in various profile laboratories including biomedical, pharmaceutical, microbiology and molecular biology.

Three autoclavable angle rotor options are available to accommodate common tube sizes (5ml, 7ml, 10ml, 15ml and 50ml). The device enables rapid and gradient acceleration (30 sec) and deceleration (20 sec), thus eliminating time-consuming and centrifugation process.

You may enjoy a peace of mind while operating the unit as it comes with safety features such as double-layered safety lid with auto-lock function, alarm and stop automatically when over-speed, over-heat and imbalance occurred. Operating noise level is also low at ≤ 56 dB to avoid any unwanted distraction in the laboratory.



Cover lid release in the event of power failure

Hercuvan

Lab Systems

APPLICATIONS

- Biological sample separations of cellular materials, lipid cell, stem cell, blood, urine etc.
- Cell harvest from cultures (protein expression, bioprocessing)
- Pelleting for bacteria, animal and plant cells as well as membrane organelles or fractions
- Biomedical, clinical, pharmaceutical, proteomics, biochemistry, microbiology, molecular biology, chemical laboratories



TECHNICAL DATA

Specifications	TT-4500 Low Speed Centrifuge
Speed	300 - 4500 rpm (100rpm steps)
Maximum RCF	2490 × g (increment: 100 × g)
RPM/RCF conversion	Yes
Speed accuracy	±20rpm
Rotor capacity	5 ml/ 7 ml x 16; 10/ 15 ml x 12; 50 ml x 6
Digital time setting	1sec - 99min 59sec or continuous
Short spin	Yes
Automatic lid lock	Yes
Automatic lid release after completion	Yes
Alarm and automatic stop	Yes, during over-speed, over-heat and imbalance
Noise level	≤56dB
Acceleration time to max. speed	30sec
Braking time from max. speed	20sec
Soft acceleration/deceleration	Yes
Motor type	Brushless DC motor
Voltage	AC 110-240V, 50/60Hz
Power	120W
Dimension (W x D x H)	300 x 431 x 178 mm
Net Weight	17.0 kg
Permissible ambient temperature	4 - 40°C
Permissible relative humidity	≤70%

ORDERING INFORMATION

Cat. No. **TT-4500 Low Speed Centrifuge**

TT-4500 Low Speed Centrifuge TT-4500, 300-4500 rpm, AC 110-240V

OPTIONAL ACCESSORIES

Cat. No **Rotor for Low Speed Centrifuge**

TT-4500-R01 Angle rotor for 5 ml/ 7 ml tubes x 16
TT-4500-R02 Angle rotor for 10 ml/ 15 ml tubes x 12
TT-4500-R03 Angle rotor for 50 ml tube x 6



TT-4500-R01
5 ml/ 7 ml tubes x 16 rotor



TT-4500-R02
10 ml/ 15 ml tubes x 12 rotor



TT-4500-R03
50 ml tube x 6 rotor