

small benchtop centrifuge for plasma and urine separation

Small benchtop centrifuge through efficient centrifugation, it can separate different components in liquid samples according to density differences, providing accurate results for further analysis and research.

Small Benchtop Centrifuge

Main Features

1. Capacity & configuration: Holds 6 or 8 × 15ml cone-bottom tubes or glass test tubes—adaptable for varying sample volumes.
2. Adjustable speed control: 100–5000 rpm—customize for precise separation needs.
3. LCD display: Real-time RPM/RCF display—switch views for easy monitoring and setting.
4. Safety lock: Stops rotation immediately when lid opens—ensures operator safety.
5. Automatic lid opening: Quick access after run—boosts efficiency.
6. Easy operation: Intuitive interface—ideal for routine lab use.
7. RPM/RCF conversion: Instantly view and set centrifugal force or speed—accurate experiment conditions.



8. Smooth acceleration/deceleration: Adjustable ramp—prevents sample breakage.
9. Timing function: Set from 10 sec to 99 min—audio alert signals completion.
10. Instant tap button: Rapid start/pause for efficient workflow.

Working Principle

Electric motor spins rotor at high speed, generating centrifugal force. Denser sample components (e.g., cells, red blood cells) migrate to tube bottom, while lighter ones (e.g., plasma) remain above. RPM setting directly controls force and separation quality.

Rotor Types

- 6×15ml angle rotor: For six 15ml samples—standard routine separation.
- 8×15ml angle rotor: For eight 15ml samples—higher volume processing.
- 12×5ml angle rotor: For twelve 5ml tubes—small volume, high-throughput experiments.



6 tubes metal rotor



8 tubes metal rotor

Advantages

1. High-efficiency separation: Delivers fast, accurate sample stratification.
2. Precise control: Real-time RPM and RCF display—adapts to diverse experimental setups.
3. Enhanced safety: Auto lid opening and lock prevent accidents.
4. User-friendly: Simple controls—quick start for all lab personnel.
5. Time-saving: Auto cap and instant tap maximize sample throughput.

Application Areas

1. Medical research: Blood, plasma, urine separation for clinical analysis.
2. Molecular biology: DNA/RNA/protein extraction and purification.
3. Drug development/testing: Extraction of actives for research and QC.
4. Clinical diagnostics: Patient sample separation—blood, urine, etc.

small benchtop centrifuge for plasma and urine separation

Model	C13
Speed range	100rpm to 5000rpm
Speed accuracy	±100rpm
relative centrifugal force	3074xg
Capacity	15mlx6, 15mlx8, 5mlx12
Timer	15seconds to 99minutes or continuously
Motor type	brushless dc motor
Display screen	LCD
Safety	safety lid-lock, imbalance system
Acceleration and deceleration	20 to 80 seconds
Power supply	230Vac,50Hz, 60Hz or 110Vac, 60Hz