



## Benchtop Low Speed Ventilated Centrifuge (BL-LD5M)

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BL-LD5M Benchtop Low Speed Ventilated Centrifuge is a versatile laboratory equipment designed for efficient centrifugation of various sample types, including tubes and blood collection tubes. It offers user-friendly features, safety mechanisms, and durable construction for reliable performance.



### Highlights

- ◆ **Versatility:** Handles a wide range of sample types, including tubes and blood collection tubes.
- ◆ **User-Friendliness:** Intuitive LCD screen, 12 user-defined programs, and easy-to-use controls.
- ◆ **Safety:** Equipped with imbalance detection, motorized door lock, and gas hinge mechanism.
- ◆ **Durability:** Constructed with high-quality materials, including stainless steel chamber and autoclavable rotor.

The BL-LD5M Benchtop Low Speed Ventilated Centrifuge is a compact and powerful laboratory instrument capable of handling a wide range of centrifugation tasks. With a maximum speed of 5000 RPM and a maximum relative centrifugal force (RCF) of 5200, it can effectively process various sample types, including 15ml, 50ml, and 100ml tubes, as well as vacuum blood collection tubes with different numbers of holes.

Equipped with an intuitive LCD screen, the BL-LD5M allows for easy monitoring and adjustment of parameters. Users can conveniently set the desired RPM or RCF, and the machine automatically converts between the two units. Additionally, the centrifuge features 12 user-defined programs for quick and efficient centrifugation of frequently used protocols.

Safety is a top priority in the BL-LD5M. The centrifuge incorporates a microprocessor control system for precise operation and includes an imbalance detection mechanism using a three-axis gyroscope to prevent damage in case of uneven sample distribution. A motorized electronic door lock ensures safe operation, preventing the door from opening while the rotor is spinning. The gas hinge mechanism further enhances safety by preventing the door from falling unexpectedly.

The BL-LD5M is constructed with high-quality materials, including a thick and strong steel housing for durability and a food-grade 304 stainless steel chamber for easy cleaning and corrosion resistance. The centrifuge is equipped with a steel or stainless-steel swing-out rotor, which is autoclavable for sterilization purposes.



### Features

- ◆ Maximum speed of 5000 RPM / 5200 RCF
- ◆ Centrifuges common tubes (15ml, 50ml, 100ml) and blood collection tubes
- ◆ LCD screen for clear parameter display
- ◆ 12 user-defined programs
- ◆ 19 acceleration and deceleration rates
- ◆ 1s to 9999min59s timer range
- ◆ Microprocessor control
- ◆ Imbalance detection
- ◆ Motorized electronic door lock
- ◆ Gas hinge for door prevention
- ◆ Variable frequency motor
- ◆ Steel/Stainless steel swing-out rotor
- ◆ Autoclavable rotors





## Specifications

Model	BL-LD5M
Maximum Speed	5000rpm
Max RCF	5200Xg
Max Capacity	4*500ml
Speed Accuracy	±10rpm
Timer range	1min-9999m59s
Noise	≤60dB(A)
Power Supply	AC 220V 50HZ 10A
Dimension	560*450*415mm (L*W*H)
Weight	53kg
Power	600W
Motor	Variable frequency motor
Display	LCD
Electronic lid lock	Yes
Can change parameters under operation	Yes
RCF can be set directly	Yes
Can store programs	12 programs
Adjustable acceleration and deceleration rate	19 levels
Imbalance detection	Yes
Housing material	Steel
Chamber material	Stainless steel



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