



## LABORATORY LOW SPEED REFRIGERATED CENTRIFUGE BCBLR-203

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## BCBLR-203

BENCHTOP LOW SPEED REFRIGERATED CENTRIFUGES



- With single-chip microcomputers, self-developed control boards and high-torque AC brushless motors, these concentrators can run stably with lower noise, allowing for a comfortable laboratory environment.
- Imported fluorine-free refrigeration compressor unit and eco-friendly refrigerant R404a, allowing for a wide temperature control range: -20°C to +40°C (can be set during operation); pre-cooling function (quickly cool down to the set temperature); standby cooling function (maintain the set temperature in the standby state); heating and defrosting function.
- Early warning functions such as overspeed, overheating, imbalance, undervoltage, and overvoltage warnings; three-stage damping shock absorber, a specially combined shock absorbing device to ensure the motor runs smoothly and safely and prevent samples from resuspending, thus securing excellent centrifugal effect.

## SPECIFICATIONS

Model	BCBLR-203
Max speed	8,000r/min
Max RCF	6,460xg
Max capacity	4x500ml
Refrigeration system	Imported fluorine-free refrigeration compressor unit
Temperature control range	-20°C~+40°C
Temperature control accuracy	±1°C
Speed accuracy	±30r/min (customizable, multiples of 10)
Number of running programs	20
Total power	1.8kW
Control and drive system	High torque AC brushless motor, microcomputer control
Timer range	1min~99h59min59s, with continuous centrifugation and instantaneous centrifugation
Noise	≤65dB(A)
Weight	110kg
Dimensions (LxWxH)	760mmx630mmx400mm
Alt Name	Benchtop Low Speed Refrigerated Centrifuges

## ACCESSORIES FOR PURCHASE

No	Name	Description
1	Fixed-angle Rotor 12x10mL	Max RPM: 8,000r/min Max RCF: 6,460xg Bio-isolated rotor cover
2	Fixed-angle Rotor 12x15ml (through-holes)	Max RPM: 6,000r/min Max RCF: 4,030xg Bio-isolated rotor cover
3	Swing-out rotor	Max RPM: 5,000r/min Max RCF: 4,800xg
4	Tube rack 5mL (ordinary tube)	Number of centrifuges: 5mLx48 holes Max r/min: 4,000r/min Max RCF: 2,360xg

5	Tube rack 5mL (blood collection tube)	Number of centrifuges: 5mLx48 holes Max r/min: 4,000r/min Max RCF: 2,830xg
6	Tube rack 50mL	Number of centrifuges: 50mLx4 holes Max RPM: 5,000r/min Max RCF: 4,620xg
7	Tube rack 10/15mL	Number of centrifuges: 15mLx24 holes Max RPM: 4,000r/min Max RCF: 2,960xg
8	Tube rack 15mL	Number of centrifuges: 15mLx32 holes Max RPM: 4,000r/min Max RCF: 2,960xg
9	Tube rack 50mL	Number of centrifuges: 50mLx8 holes Max RPM: 4,000r/min Max RCF: 2,960xg
10	Tube rack 100mL	Number of centrifuges: 100mLx4 holes Max RPM: 5,000r/min Max RCF: 4,800xg
11	Tube rack 100mL	Number of centrifuges: 100mLx8 holes Max RPM: 4,000r/min Max RCF: 3,070xg
12	Swing-out rotor	Max RPM: 4,000r/min Max RCF: 3,390xg
13	Tube rack 5mL (blood collection tube)	Number of centrifuges: 5mLx76 holes Max RPM: 4,000r/min Max RCF: 3,020xg
14	Tube rack 250mL (flat bottom)	Number of centrifuges: 250mLx4 holes Max RPM: 4,000r/min Max RCF: 2,840xg
15	Tube rack 250mL (conical bottom)	Number of centrifuges: 250mLx4 holes Max RPM: 4,000r/min Max RCF: 3,390xg
16	Swing-out rotor 4x500ml	Max RPM: 4,000r/min Max RCF: 3,360xg
17	Microplate Rotor 2x2x96 holes	Max RPM: 4,000r/min Max RCF: 2,360xg



1



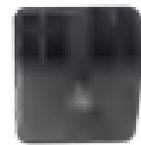
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## FEATURES

- With single-chip microcomputers, self-developed control boards and high-torque AC brushless motors, these concentrators can run stably with lower noise, allowing for a comfortable laboratory environment.
- Imported fluorine-free refrigeration compressor unit and eco-friendly refrigerant R404a, allowing for a wide temperature control range: -20°C to +40°C (can be set during operation); pre-cooling function (quickly cool down to the set temperature); standby cooling function (maintain the set temperature in the standby state); heating and defrosting function.
- Early warning functions such as overspeed, overheating, imbalance, undervoltage, and overvoltage warnings; three-stage damping shock absorber, a specially combined shock absorbing device to ensure the motor runs smoothly and safely and prevent samples from resuspending, thus securing excellent centrifugal effect.
- TFT-LCD true color display screen, dual operation modes of touch screen and physical keys, and special keys for centrifugal force display, display of the set parameters and operating parameters at the same time, modification of parameters at any time during operation without interruption; intuitive, simple, and easy-to-use interface; operation menu in multiple languages
- Biosafety air-tight fix-angle rotor adopting an integral silicone rubber sealing ring (EU RoHS 2015/863) to avoid aerosol overflow and fully ensure the safety of operators and lab environments.
- Stainless steel centrifugal chamber equipped with an all-steel plastic-sprayed housing, integrally formed stamping steel front cover, and a three-layer steel protective cover, which is sturdy and durable to ensure the safety of operators and labs.
- Silent, easy-to-use mechatronics motor door lock (gently close the door, and the locking system will be triggered to lock the door securely).
- 10 levels speed-up and speed-down control; storage of up to 20 sets of user-defined programs; easy calling of frequently used programs (the last used programs are called when the device is powered on).
- Paired with forged aerospace aluminum rotors (fix-angle rotors only) and a variety of optional polyamide fiber adapters, the centrifuges are suitable for 0.2mL to 500mL centrifuge tubes or reagent bottles and are able to centrifugate all types of MTP microplates, PCR plates, cell culture plates and deep well plates.
- CFDA registration and production qualification, with ISO 9001 (2015) and ISO 13485 (2016) certifications.

## APPLICATIONS

Extraordinary experimental throughput and ergonomic design. With an experimental throughput as high as 4x500ml, they are ideal devices for benchtop low-speed refrigerated high-throughput applications, with extraordinary versatility. They are widely used in experiments and scientific research in the fields of biology, chemistry, medicine, agriculture and forestry, food safety, blood stations, clinical trials, etc.

## MORE INFO

Tube rack	Adapter
10mL	1x1.5/2mL, 1x5mL
15mL	1x1.5/2mL, 1x5mL, 1x10mL
50mL	3x1.5/2mL, 1x5mL, 1x10mL, 1x10mL, 1x15mL, 1x20mL, 1x30mL
100mL	3x1.5/2mL, 4x5mL, 1x50mL
250mL	12x1.5/2mL, 9x5mL, 7x10mL, 1x50mL, 1x100mL
500mL	18x5mL, 12x10mL, 8x15mL, 4x50mL, 1x100mL, 1x250mL



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