PRODUCT CATALOG

LABORATORY LOW SPEED REFRIGERATED CENTRIFUGE BET1O3 (BCFLR-203)

CE ISO9001 CERTIFIED

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LABORATORY LOW SPEED REFRIGERATED CENTRIFUGE BET103

VERTICAL LOW SPEED REFRIGERATED CENTRIFUGE

• With single-chip microcomputers, self-developed control boards and high-torque variable frequency AC motors, the centrifuge 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℃ to + 40℃ (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	BET103
Old Model	BCFLR-203
Max speed	8,000r/min
Max RCF	6,460xg
Max capacity	4x750ml
Refrigeration system	Imported fluorine-free refrigeration compressor unit and eco-friendly refrigerant R404a
Temperature control range	-20℃~+40℃
Temperature control accuracy	±1℃
Speed accuracy	±30r/min (customizable, multiples of 10)
Number of running programs	20
Control and drive system	High torque variable frequency AC motor, microcomputer control
Timer range	1min~99h59min59s, with continuous centrifugation and instantaneous centrifugation
Noise	≤65dB(A)
Total power	2.0kW
Weight	150kg
Dimensions (LxWxH)	580mmx740mmx800mm
Alt Name	Vertical Low Speed Refrigerated Centrifuge

ACCESSORIES FOR PURCHASE

No	Name	Description
1	Fixed-angle Rotor 12x10mL	Max RPM: 8,000r/min Max RCF: 6,460xg
2	Fixed-angle Rotor 12x15mL	Max RPM: 6,000r/min Max RCF: 4,030xg
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 RPM: 4,000r/min Max RCF: 2,360xg

5	Tube rack 5mL (blood collection tube)	Number of centrifuges: 5mLx48 holes Max RPM: 4,000r/min Max RCF: 2,830xg
6	Tube rack 15mL	Number of centrifuges: 15mLx16 holes Max RPM: 5,000r/min Max RCF: 4620xg
7	Tube rack 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 2mL/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	Max RPM: 4,000r/min Max RCF: 3,580xg
17	Tube rack 2mL (blood collection tube	Number of centrifuges: 2mLx124 holes Max RPM: 4,000r/min Max RCF: 3,580xg
18	Tube rack 5mL (blood collection tube)	Number of centrifuges: 5mLx124 holes Max RPM: 4,000r/min Max RCF: 3,580xg
19	Tube rack 750mL	Number of centrifuges: 750mLx4 holes Max RPM: 4,000r/min Max RCF: 3,520xg
20	Swing-out rotor 148 holes x 2mL/5mL (vacuum blood collection tube)	Max RPM: 4,000r/min Max RCF: 3,520xg

21	Swing-out rotor 4x500ml	Max RPM: 4,000r/min Max RCF: 3,360xg
22	Microplate Rotor 2x2x96 holes	Max RPM: 4,000r/min Max RCF: 2,360xg
23	Microplate Rotor 4x2x96 holes	Max RPM: 4,000r/min Max RCF: 3,000xg

1 2 3 4 5 6

7 8 9 10 11 12

13 14 15 16 17 18

19 20 21 22 23

FEATURES

• With single-chip microcomputers, self-developed control boards and high-torque variable frequency AC motors, the centrifuge 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 (Chinese, English, Russian, Portuguese).

• 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; modification of control parameters of the running rotor at any time.

• Casters and carbon steel caster adjustment blocks at the bottom for easy movement and level adjustment of the device.

• CFDA registration and production qualification, with ISO 9001 (2015) and ISO 13485 (2016) certifications.

APPLICATIONS

With an experimental throughput of up to 3L (4x750mL), these centrifuges are extraordinarily versatile with 13 sets of optional rotors. 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

Customizable per customer needs

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
750mL	27x5mL, 15x10mL, 12x15mL, 7x50mL, 3x100mL, 1x300mL, 1x500mL

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