



LABORATORY LOW SPEED CENTRIFUGE BCFL-101

LABORATORY LOW SPEED CENTRIFUGE BCFL-101

LOW SPEED LARGE CAPACITY 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.
- 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.

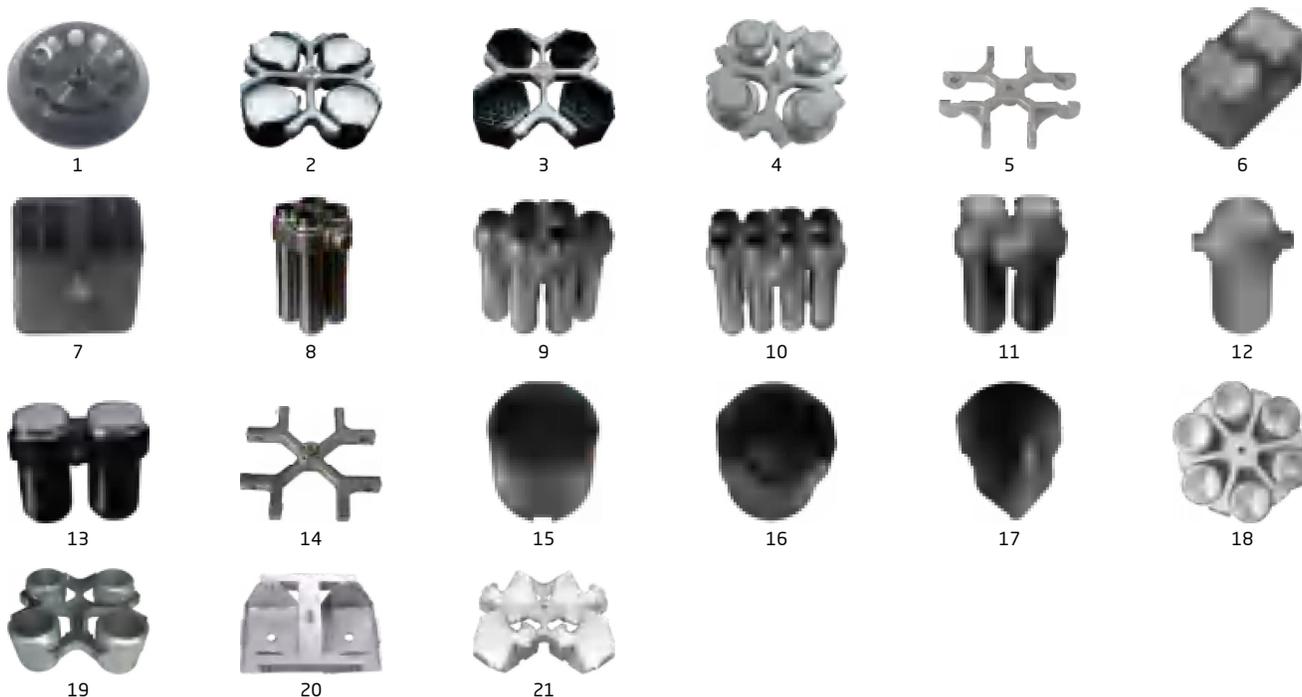
SPECIFICATIONS

| | |
|----------------------------|---|
| Model | BCFL-101 |
| Max speed | 5,000r/min |
| Max RCF | 4,800xg |
| Max capacity | 6x500mL |
| Speed accuracy | ±30r/min (customizable, multiples of 10) |
| Number of running programs | 20 |
| Control and drive system | High torque AC brushless motor, microcomputer control |
| Timer range | 1min~99h59min59s, with continuous centrifugation and instantaneous centrifugation |
| Noise | ≤65dB(A) |
| Total power | 800W |
| Weight | 85kg |
| Dimensions (LxWxH) | 580mmx740mmx800mm |
| Alt Name | Low Speed Large Capacity Centrifuges |

ACCESSORIES FOR PURCHASE

| No | Name | Description |
|----|--|--|
| 1 | Fixed-angle Rotor 12x15ml (through holes) | Max RPM: 5,000r/min Max RCF: 2,600xg/2,800xg |
| 2 | Swing-out rotor 124 holes x2mL/5mL (vacuum blood collection tube) | Max RPM: 4,000r/min Max RCF: 3,580xg |
| 3 | Swing-out rotor 148 holes x2mL/5mL (vacuum blood collection tube) | Max RPM: 4,000r/min Max RCF: 3,520xg |
| 4 | Swing-out rotor 4x500ml | Max RPM: 4,000r/min Max RCF: 3,360xg |
| 5 | Swing-out rotor | Max RPM: 5,000r/min Max RCF: 4,800xg |

| | | |
|----|---|---|
| 6 | Tube rack 5mL (ordinary tube) | Number of centrifuges: 5mLx48 holes Max r/min: 4,000r/min Max RCF: 2,360xg |
| 7 | Tube rack 5mL (blood collection tube) | Number of centrifuges: 5mLx48 holes Max r/min: 4,000r/min Max RCF: 2,830xg |
| 8 | Tube rack 15mL | Number of centrifuges: 15mLx16 holes Max RPM: 5,000r/min Max RCF: 4,620xg |
| 9 | Tube rack 10/15mL | Number of centrifuges: 15mLx24 holes Max RPM: 5,000r/min Max RCF: 4,620xg |
| 10 | Tube rack 15mL | Number of centrifuges: 15mLx32 holes Max RPM: 4,000r/min Max RCF: 2,960xg |
| 11 | Tube rack 50mL | Number of centrifuges: 50mLx8 holes Max RPM: 4,000r/min Max RCF: 2,960xg |
| 12 | Tube rack 100mL | Number of centrifuges: 100mLx4 holes Max RPM: 5,000r/min Max RCF: 4,800xg |
| 13 | Tube rack 100mL | Number of centrifuges: 100mLx8 holes Max RPM: 4,000r/min Max RCF: 3,070xg |
| 14 | Swing-out rotor | Max RPM: 4,000r/min Max RCF: 3,390xg |
| 15 | Tube rack 5mL (blood collection tube) | Number of centrifuges: 5mLx76 holes Max RPM: 4,000r/min Max RCF: 3,020xg |
| 16 | Tube rack 250mL (flat bottom) | Number of centrifuges: 250mLx4 holes Max RPM: 4,000r/min Max RCF: 2,840xg |
| 17 | Tube rack 250mL (conical bottom) | Number of centrifuges: 250mLx4 holes Max RPM: 4,000r/min Max RCF: 3,390xg |
| 18 | Swing-out rotor 6x500mL | Max RPM: 3,600r/min Max RCF: 2,960xg Standard hood |
| 19 | Swing-out rotor 4x750ml | Max RPM: 4,000r/min Max RCF: 3,520xg |
| 20 | Microplate Rotor 2x2x96 holes | Max RPM: 4,000r/min Max RCF: 2,360xg |
| 21 | Microplate Rotor 4x2x96 holes | Max RPM: 4,000r/min Max RCF: 3,000xg |



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.
- 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 at the rear 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 750mL 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 4x750ml, they are ideal devices for 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 |
| 750mL | 27x5mL, 15x10mL, 12x15mL, 7x50mL, 3x100mL, 1x300mL, 1x500mL |



Biolab Scientific Ltd.

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada

Email: info@biolabscientific.com | Website: www.biolabscientific.com