



LABORATORY LOW SPEED REFRIGERATED CENTRIFUGE BET-802

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BET-802

BENCHTOP LOW SPEED LARGE CAPACITY REFRIGERATED CENTRIFUGES



- The new XIUI3.0 OS features microcomputer control, programmable operations, and direct drive by a variable frequency brushless motor for precise speed control.
- A 7" wide-angle LCD touch screen is for digital input and simple to operate. It can display set and run parameters in real time. The all-steel housing is treated with corrosion-resistant orange peel fine wrinkles showing full lines, featuring an industrial human-machine design that reflects a sense of safety while being visually appealing, and allowing a high recognition rate.
- They utilize imported fluorine-free refrigerating compressor units (refrigerant R404a) that meet the environmental requirements, with pre-cooling function and a wide temperature control range: -20°C to +40°C, quickly reaching the set temperature; the chamber is embedded with copper pipes complying with national stand

SPECIFICATIONS

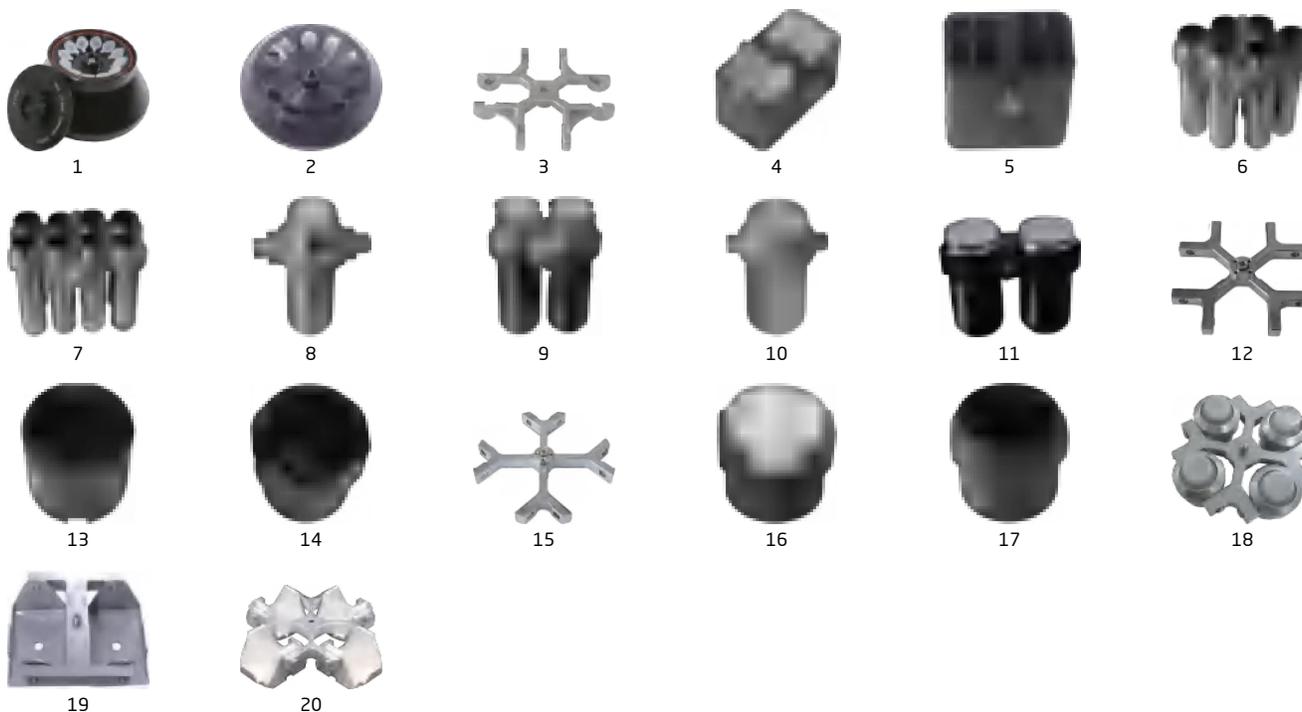
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|------------------------------|---|
| Model | BET-802 |
| Max capacity | 4x750ml |
| Max speed | 8,000r/min |
| Max RCF | 6,464xg |
| Speed accuracy | ±20r/min (customizable, multiples of 10) |
| Control and drive system | Microcomputer control, maintenance-free large-torque inverter brushless motor |
| Display mode | 7" wide-angle LCD touch screen |
| Operation mode | Touch control (with local control option) |
| Rotor recognition | Automated loading and locking of rotor parameters (optional) |
| Refrigeration system | Imported fluorine-free refrigeration compressor unit and eco-friendly refrigerant R404a |
| Temperature control range | -20°C~+40°C |
| Temperature control accuracy | ±1°C |
| Gears up/down | 10 gears |
| Timer range | 1s-99h59min59s, with continuous centrifugation and instantaneous centrifugation |
| Total power | 1.5kW |
| Noise | ≤65dB(A) |
| Power supply | AC220V 50Hz |
| Weight | 118kg |
| Dimensions (LxWxH) | 835mmx630mmx450mm |
| Alt Name | Benchtop Low Speed Large Capacity Refrigerated Centrifuges |

ACCESSORIES FOR PURCHASE

| No | Name | Description |
|----|------------------------------|---|
| 1 | Fixed-angle Rotor 12x10mL | Max RPM: 8,000r/min Max RCF: 6,464xg |

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|----|--|--|
| 2 | Fixed-angle Rotor 12x15ml (through-holes) | Max RPM: 5,500r/min Max RCF: 3,390xg |
| 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: 2,368xg |
| 5 | Tube rack 5mL (blood collection tube) | Number of centrifuges: 5mLx48 holes Max RPM: 4,000r/min Max RCF: 2,832xg |
| 6 | Tube rack 15mL | Number of centrifuges: 15mLx24 holes Max RPM: 4,000r/min Max RCF: 2,960xg |
| 7 | Tube rack 15mL | Number of centrifuges: 15mLx32 holes Max RPM: 4,000r/min Max RCF: 2,960xg |
| 8 | Tube rack 50mL | Number of centrifuges: 50mLx4 holes Max RPM: 5,000r/min Max RCF: 4,625xg |
| 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: 3,072xg |
| 12 | Swing-out rotor | Max RPM: 4,000r/min Max RCF: 3,024xg |
| 13 | Tube rack 5mL (blood collection tube) | Number of centrifuges: 5mLx76 holes Max RPM: 4,000r/min Max RCF: 3,024xg |
| 14 | Tube rack 250mL (flat bottom) | Number of centrifuges: 250mLx4 holes Max RPM: 4,000r/min Max RCF: 2,848xg |
| 15 | Swing-out rotor | Max RPM: 4,000r/min Max RCF: 3,024xg |
| 16 | Tube rack 5mL (blood collection tube) | Number of centrifuges: 5mLx124 holes Max RPM: 4,000r/min Max RCF: 3,584xg |
| 17 | 750mL | Number of centrifuges: 750mLx4 holes Max RPM: 4,000r/min Max RCF: 3,536xg |

| | | |
|----|----------------------------------|---|
| 18 | Swing-out rotor 4x500ml | Max RPM: 4,000r/min Max RCF: 3,360xg |
| 19 | Microplate Rotor 2x2x96 holes | Max RPM: 4,000r/min Max RCF: 2,368xg |
| 20 | Microplate Rotor 4x2x96 holes | Max RPM: 4,000r/min Max RCF: 3,008xg |



FEATURES

- The new XIUI3.0 OS features microcomputer control, programmable operations, and direct drive by a variable frequency brushless motor for precise speed control.
- A 7' wide-angle LCD touch screen is for digital input and simple to operate. It can display set and run parameters in real time. The all-steel housing is treated with corrosion-resistant orange peel fine wrinkles showing full lines, featuring an industrial human-machine design that reflects a sense of safety while being visually appealing, and allowing a high recognition rate.
- They utilize imported fluorine-free refrigerating compressor units (refrigerant R404a) that meet the environmental requirements, with pre-cooling function and a wide temperature control range: -20°C to +40°C, quickly reaching the set temperature; the chamber is embedded with copper pipes complying with national standards for strong hot and cold exchange capabilities and ensuring constant-temperature centrifugation.
- They feature multiple audio/visual early warning protection functions for overspeed, over temperature, imbalance, wrong operation, overcurrent, overvoltage, and antipinch. The fluorosilicone rubber sealing ring, resistant to hydrogen, oil, acids and alkalis, is capable of long-time use at the temperature from -55°C to +200°C. The aesthetically pleasing and hermetically thermoformed inner panel of the cabin door can dually prevent aerosol spillage. The 304 stainless steel seamless corrosion-resistant centrifuge chamber and steel cylinder sleeve are designed with a soundabsorbing air duct. The patented carbon fiber hood is optional, and it can enable low temperature rise and low noise, providing a comfortable and reliable experimental environment.
- The door cover has an electronic lock and electric support rod, allowing for smooth and stable automatic one-button opening and closing. In case of shutdown or power outage, the door cover can be manually opened. The patented anti-pinch function can prevent injuring fingers by hasty operations
- There are 10 gears for acceleration/deceleration and three-stage damping for shock absorption, ensuring stable sample operation without resuspension. They can store 99 groups of programs and be programmable according to user needs for point control, timing, differential timing, density, and gradient centrifugation, thus meeting diverse experimental requirements.

- The hidden drainage function allows for easy expulsion of condensate water with a gentle squeeze, thereby preventing motor failure due to condensate water and extending the centrifuge's lifespan.
- The optional rotor has an auto recognition function and can automatically load and lock rotor parameters; parameters may be modified during operation without the need to stop, and current parameters may be automatically saved.
- 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.
- These products are supported by certifications including ISO 9001 (2015); ISO 13485 (2016); ISO 14001 (2015); ISO 45001 (2018); and CFDA registration and production qualification.
- The Bluetooth/Type C interface function is optional for short-range control via mini-programs, facilitating system upgrades and experimental data downloads.

APPLICATIONS

With an experimental throughput as high as 4x750ml, 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

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 |



Biolab Scientific Ltd.

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

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