



MICRO CENTRIFUGE BET-701

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MICRO HIGH SPEED CENTRIFUGE



- The new XIUI3.0 OS features microcomputer control, programmable operations, and direct drive by a maintenance-free high-torque DC brushless motor for stable running.
- 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. It comes with an atmosphere light with seven colors available for enhancing the user experience. The all-steel housing is treated with corrosion-resistant orange peel fine wrinkles showing full lines, featuring an industrial human-machine design that shows a sense of safety while being visually appealing, and allowing a high recognition rate.
- They feature multiple audio/visual early warning protection functions for overspeed, over temperature, imbalance, wrong operation, overcurrent, overvoltage, and anti-pinch. The fluorosilicone rubber sealing ring, resistant to hydrogen, oi

SPECIFICATIONS

| | |
|--------------------------|---|
| Model | BET-701 |
| Max capacity | 12x10mL |
| Max speed | 16,500r/min |
| Max RCF | 25,500xg |
| Speed accuracy | ±20r/min (customizable, multiples of 10) |
| Control and drive system | Microcomputer control, maintenance-free large-torque DC 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) |
| Gears up/down | 10 gears |
| Timer range | 1s-99h59min59s, with continuous centrifugation and instantaneous centrifugation |
| Total power | 0.35kW |
| Noise | ≤65dB(A) |
| Power supply | AC220V 50Hz |
| Weight | 17.5kg |
| Dimensions (LxWxH) | 260mmx390mmx305mm |
| Alt Name | Micro High Speed Centrifuge |

ACCESSORIES FOR PURCHASE

| No | Name | Description |
|----|-------------------------------|---|
| 1 | Fixed-angle Rotor 12x1.5mL | Max RPM: 16,500r/min Max RCF: 19856xg |
| 2 | Fixed-angle Rotor 24x1.5mL | Max RPM: 15,000r/min Max RCF: 22,500xg |
| 3 | Fixed-angle Rotor 48x1.5mL | Max RPM: 14,000r/min Max RCF: 21756xg |
| 4 | Fixed-angle Rotor 10x5mL | Max RPM: 14,000r/min Max RCF: 14308xg |
| 5 | Fixed-angle Rotor 12x5mL | Max RPM: 13,500r/min Max RCF: 14,033xg |
| 6 | Fixed-angle Rotor 8x7mL | Max RPM: 14,000r/min Max RCF: 14112xg |

| | | |
|---|--|--|
| 7 | Fixed-angle Rotor 12x10mL | Max RPM: 12,000r/min Max RCF: 14544xg |
| 8 | Fixed-angle Rotor 4x8x0.2mL (12x5mL PCR 8-tube strings) | Max RPM: 14,000r/min Max RCF: 15288xg |



FEATURES

- The new XIUI3.0 OS features microcomputer control, programmable operations, and direct drive by a maintenance-free high-torque DC brushless motor for stable running.
- 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. It comes with an atmosphere light with seven colors available for enhancing the user experience. The all-steel housing is treated with corrosion-resistant orange peel fine wrinkles showing full lines, featuring an industrial human-machine design that shows a sense of safety while being visually appealing, and allowing a high recognition rate.
- They feature multiple audio/visual early warning protection functions for overspeed, over temperature, imbalance, wrong operation, overcurrent, overvoltage, and anti-pinch. 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 compression-molded 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 sound-absorbing air duct.
- The door cover has an electronic lock allowing for one-button opening. The door cover can be locked automatically by gently closing it. In case of shutdown or power outage, the door cover can be manually opened.
- The Bluetooth/Type C interfaces are optional for short-range control via mini-programs, facilitating system upgrades and experimental data downloads.
- 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 functions, thus meeting diverse experimental requirements.
- 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.
- Forged aerospace aluminum rotors, suitable for centrifuge tubes of 0.2ml to 2.0ml, paired with PCR 8-tube strips.
- 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.

APPLICATIONS

This instrument is mainly used for rapid precipitation and separation of DNAs, RNAs, proteins and viruses, with application in bacteria and protein precipitation, nucleic acid extraction, cell/subcellular component separation, environmental sample processing, clinical trial sample processing, etc.



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