



LABORATORY HIGH SPEED CENTRIFUGE BET-603

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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, oil

SPECIFICATIONS

Model	BET-603
Max capacity	
Max speed	20,000r/min
Max RCF	28,800xg
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 (local control optional)
Gears up/down	10 gears
Timer range	1s-99h59min59s, with continuous centrifugation and instantaneous centrifugation
Total power	0.38kW
Noise	≤65dB(A)
Power supply	AC220V50Hz
Weight	27.5kg
Dimensions (LxWxH)	360mmx460mmx335mm
Alt Name	High Speed Centrifuge

ACCESSORIES FOR PURCHASE

No	Name	Description	og_price
1	Fixed-angle Rotor 12x1.5mL	Max RPM: 16,500r/min Max RCF: 19856xg	171.88
2	Fixed-angle Rotor 12x1.5mL	Max RPM: 18,500r/min Max RCF: 24642xg	171.88
3	Fixed-angle Rotor 12x1.5mL	Max RPM: 20,000r/min Max RCF: 28,800xg	171.88
4	Fixed-angle Rotor 24x1.5mL	Max RPM: 15,000r/min Max RCF: 22,500xg	343.75
5	Fixed-angle Rotor 48x1.5mL	Max RPM: 14,000r/min Max RCF: 21756xg	750.00

6	Fixed-angle Rotor 12x5mL	Max RPM: 14,000r/min Max RCF: 15092xg	437.50
7	Fixed-angle Rotor 12x10mL	Max RPM: 12,000r/min Max RCF: 14544xg	546.88
8	Fixed-angle Rotor 8x15ml (conical-bottom)	Max RPM: 13,000r/min Max RCF: 18590xg	828.13
9	Fixed-angle Rotor 8x15ml (round-bottom)	Max RPM: 13,000r/min Max RCF: 18083xg	171.88
10	Fixed-angle Rotor 6x50ml (conical-bottom)	Max RPM: 12,000r/min Max RCF: 14641xg	890.63
11	Fixed-angle Rotor 6x50ml (through-holes)	Max RPM: 6,000r/min Max RCF: 3672xg	438.94
12	Fixed-angle Rotor 4x100ml	Max RPM: 8,000r/min Max RCF: 7,296xg	890.63
13	Fixed-angle Rotor 4x8x0.2mL (PCR 8-tube strings)	Max RPM: 15,000r/min Max RCF: 17550xg	453.13
14	Microplate Rotor 2x2x48 holes	Max RPM: 3,000r/min Max RCF: 1125xg	
15	Swing-out rotor 4x100ml	Max RPM: 4,000r/min Max RCF: 2464xg	546.88



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 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 sound-absorbing air duct.
- The door cover has an electronic lock allowing for one-button opening. The gas spring hydraulic rod makes it easy and convenient for the door cover to close. 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.

- 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. Parameters may be modified during operation without the need to stop. 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.
- Multi-specification forged aerospace aluminum rotors (fix-angle rotors only) and a variety of optional polyamide fiber adapters, suitable for 0.2mL to 100mL centrifuge tubes or reagent bottles; able to centrifuge 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.

APPLICATIONS

These large-capacity centrifuges (50ml) can centrifugate samples at a high speed (≥ 16500 r/min). Paired with over 10 types of rotors and a variety of adapters, these versatile devices can meet the diversified needs of customers. Among the rotors, the 6x50ml fixed-angle rotors have been widely used in various fields.



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