



LABORATORY LOW SPEED CENTRIFUGE BET2J1

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BENCHTOP LOW SPEED LARGE CAPACITY CENTRIFUGE



- 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. 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, a

SPECIFICATIONS

Model	BET2J1
Max capacity	4x750ml
Max speed	5,500r/min
Max RCF	4,800xg
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 (local control optional)
Gears up/down	10 gears
Timer range	1s-99h59min59s, with continuous centrifugation and instantaneous centrifugation
Total power	0.85kW
Noise	≤65dB(A)
Power supply	AC220V 50Hz
Weight	63.5kg
Dimensions (LxWxH)	510mmx610mmx405mm
Alt Name	Benchtop Low Speed Large Capacity Centrifuge

ACCESSORIES FOR PURCHASE

No	Name	Description
1	Fixed-angle Rotor 12x10mL	Max RPM: 5,000r/min Max RCF: 2,600xg
2	Fixed-angle Rotor 12x15mL	Max RPM: 5,000r/min Max RCF: 2,800xg
3	Fixed-angle Rotor 4x500ml	Max RPM: 4,000r/min Max RCF: 3,360xg
4	Microplate rotor 2x2x96 holes	Max RPM: 4,000r/min Max RCF: 2,368xg
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 RPM: 4,000r/min Max RCF: 2,368xg

7	Tube rack 5mL (blood collection tube)	Number of centrifuges: 5mLx48 holes Max RPM: 4,000r/min Max RCF: 2,832xg
8	Tube rack 15mL	Number of centrifuges: 15mLx16 holes Max RPM: 4,000r/min Max RCF: 2,960xg
9	Tube rack 15mL	Number of centrifuges: 15mLx24 holes Max RPM: 4,000r/min Max RCF: 2,960xg
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: 50mLx4 holes Max RPM: 5,000r/min Max RCF: 4,625xg
12	Tube rack 50mL	Number of centrifuges: 50mLx8 holes Max RPM: 4,000r/min Max RCF: 2,960xg
13	Tube rack 100mL	Number of centrifuges: 100mLx4 holes Max RPM: 5,000r/min Max RCF: 4,800xg
14	Tube rack 100mL	Number of centrifuges: 100mLx8 holes Max RPM: 4,000r/min Max RCF: 3,072xg
15	Swing-out rotor	Max RPM: 4,000r/min Max RCF: 3,024xg
16	Tube rack 5mL (blood collection tube)	Number of centrifuges: 5mLx76 holes Max RPM: 4,000r/min Max RCF: 3,024xg
17	Tube rack 250mL (flat bottom)	Number of centrifuges: 250mLx4 holes Max RPM: 4,000r/min Max RCF: 2,848xg
18	Swing-out rotor	Max RPM: 4,000r/min Max RCF: 3,024xg
19	Tube rack 5mL (blood collection tube)	Number of centrifuges: 5mLx124 holes Max RPM: 4,000r/min Max RCF: 3,584xg
20	Tube rack 750mL	Number of centrifuges: 750mLx4 holes Max RPM: 4,000r/min Max RCF: 3,536xg


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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. 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 and 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, with parameters modifiable during operation without the need to stop, and current parameters being automatically saved. They can be programmable according to user needs for point control, timing, differential timing, density, and gradient centrifugation functions, thus meeting diverse experimental requirements.
- 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.

APPLICATIONS

The benchtop low speed large capacity centrifuge is suitable for centrifuging various micro samples, and has many other applications, including academic research, medical institutions, biopharmaceuticals, agricultural research, and lab experiments at universities, offering an excellent cost-performance ratio.



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