



MICRO CENTRIFUGE BET1U1

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BENCHTOP HIGH SPEED MICROCENTRIFUGES



- With single-chip microcomputers, self-developed control boards, high-torque AC brushless variable frequency motors and the fastest time of 25s in speed up and down, these concentrators can run stably with lower noise, allowing for a comfortable laboratory environment.
- Imported fluorine-free refrigeration compressor unit and eco-friendly refrigerant R404a, allowing for a wide temperature control range: -20°C to +40°C (can be set during operation); pre-cooling function (quickly cool down to the set temperature); standby cooling function (maintain the set temperature in the standby state)
- 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 pr

SPECIFICATIONS

Model	BET1U1
Max capacity	48x1.5ml/2.0ml
Max speed	16,500r/min
Max RCF	22,500xg
Speed accuracy	±30r/min (customizable, multiples of 10)
Control and drive system	High torque AC brushless variable frequency motor, microcomputer control
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
Timer range	1min~99h59min59s, with continuous centrifugation and instantaneous centrifugation
Total power	1.5kW
Noise	≤65dB(A)
Power supply	AC220V50Hz
Weight	48kg
Dimensions (LxWxH)	350mmx680mmx300mm
Alt Name	Benchtop High Speed Microcentrifuges



ACCESSORIES FOR PURCHASE

No	Name	Description
1	Fixed-angle Rotor 12x1.5mL	Max RPM: 16,500r/min Max RCF: 19,600xg Bio-isolated rotor cover

2	Fixed-angle Rotor 24x1.5mL/2.0mL	Max RPM: 15,000r/min Max RCF: 22,500xg Bio-isolated rotor cover
3	Fixed-angle Rotor 10x5mL	Max RPM: 14,000r/min Max RCF: 14,300xg Bio-isolated rotor cover
4	Fixed-angle Rotor 12x1.5mL/2.0mL	Max RPM: 16,500r/min Max RCF: 19,600xg
5	Fixed-angle Rotor 48x1.5mL	Max RPM: 13,000r/min Max RCF: 18,750xg Bio-isolated rotor cover
6	Fixed-angle Rotor 12x5mL	Max RPM: 13,500r/min Max RCF: 14,030xg
7	PCR 8-strip tubes 4x8x0.2mL	Max RPM: 13,000r/min Max RCF: 13,180xg



FEATURES

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- 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 (Chinese, English, Russian, Portuguese).
- 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.

- Grade 304 austenitic stainless steel centrifugal chamber 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.
- One of the smallest high-speed centrifuges in China, saving benchtop space in laboratories.
- 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).
- Forged aerospace aluminum rotors, suitable for centrifuge tubes of 0.2mL to 2.0mL, paired with PCR 8-tube strips.
- CFDA registration and production qualification, with ISO 9001 (2015) and ISO 13485 (2016) certifications.

APPLICATIONS

With a delicate and compact design, these microcentrifuges can be paired with PCR 8-tube strips for rapid precipitation and separation of DNA, RNA, protein and virus. They are commonly used for bacteria and protein precipitation, nucleic acid extraction, cell/subcellular component separation, environmental sample processing, clinical trial sample processing, etc.



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