



LABORATORY HIGH SPEED CENTRIFUGE BET1V3

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HIGH SPEED CENTRIFUGES



- With single-chip microcomputers, self-developed control boards and high-torque DC brushless motors, these concentrators can run stably with lower noise, allowing for a comfortable laboratory environment.
- 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.

SPECIFICATIONS

Model	BET1V3
Max speed	20,000r/min
Max RCF	28,800xg
Max capacity	4x100ml
Speed accuracy	±30r/min (customizable, multiples of 10)
Control and drive system	High torque AC brushless motor, microcomputer control
Timer range	1min~99h59min59s, with continuous centrifugation and instantaneous centrifugation
Noise	≤60dB
Power supply	AC220V50Hz
Total power	500W
Weight	35kg
Dimensions (LxWxH)	500mmx470mmx330mm
Alt Name	High Speed Centrifuges

ACCESSORIES FOR PURCHASE

No	Name	Description
1	Fixed-angle Rotor 12x1.5/2.0ml	Max RPM: 20,000r/min Max RCF: 28,800xg
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 48x1.5 ml/2.0ml	Max RPM: 13,000r/min Max RCF: 18,750xg Bio-isolated rotor cover
4	Fixed-angle Rotor 10x5mL	Max RPM: 14,000r/min Max RCF: 14,300xg Bio-isolated rotor cover
5	Fixed-angle Rotor 12x10mL	Max RPM: 12,000r/min Max RCF: 14,540xg Bio-isolated rotor cover
6	Fixed-angle Rotor 8x15ml (conical-bottom)	Max RPM: 12,000r/min Max RCF: 15,840xg Bio-isolated rotor cover

7	Fixed-angle Rotor 8x15ml (round-bottom)	Max RPM: 12,000r/min Max RCF: 15,400xg Bio-isolated rotor cover
8	Fixed-angle Rotor 6x50ml (conical-bottom)	Max RPM: 11,000r/min Max RCF: 14,640xg Bio-isolated rotor cover Optional conical-to-round adapter
9	Fixed-angle Rotor 6x50ml (through-holes)	Max RPM: 6,000r/min Max RCF: 3,670xg
10	Fixed-angle Rotor 4x100ml (round-bottom)	Max RPM: 8,000r/min Max RCF: 7,296xg Bio-isolated rotor cover
11	Swing-out rotor 4x100ml	Max RPM: 4,000r/min Max RCF: 2,460xg
12	Microplate Rotor 2x2x48 holes	Max RPM: 3,000r/min Max RCF: 1,120xg



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FEATURES

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- 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.
- Biosafety air-tight fixed-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.
- A wide voltage-range design of 100 V-230 V improves the adaptability of the centrifuge to voltage (optional).
- Grade 304 austenitic stainless-steel centrifugal chamber at the rear 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.
- 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).
- Multi-specification forged aerospace-aluminum rotors (fixed-angle rotors only) and a variety of optional polyamide-fiber adapters, suitable for 0.2 mL to 100 mL centrifuge tubes or reagent bottles; able to centrifuge all types of MTP microplates, PCR plates and cell-culture plates.
- CFDA registration and production qualification, with ISO 9001 (2015) and ISO 13485 (2016) certifications.

APPLICATIONS

These large-capacity centrifuges (50ml) can centrifugate samples at a high speed ($\geq 16500\text{r/min}$). Paired with 13 types of rotors and a variety of adapters, these versatile instruments meet the diversified needs of customers. Among the rotors, the 6x50ml fixed-angle rotors have been widely used in various fields.



Biolab Scientific Ltd.

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

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