



## LABORATORY LOW SPEED CENTRIFUGE BET1BP1

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## FILTER CENTRIFUGE

The filter centrifuge features a perforated drum inserted with a filter, such as filter cloth, metal wire mesh or sieve. The suspension flows from inside to outside through the filter and drum, allowing solid materials to be filtered out. The types of filtered material depend on those of centrifuge, commonly including: screen/scroll centrifuge, pusher centrifuge, inverting filter centrifuge, swing centrifuge



- 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	BET1BP1
Max separation capacity	1000ml
Max speed	4,000r/min
Max RCF	2,200xg
Speed accuracy	±30r/min
Control and drive system	High torque DC/AC variable frequency motor, microcomputer control
Timer range	1-99h:59min
Power supply	AC220V/50Hz
Noise	≤60dB
Max capacity	8-10L/min
Weight	35Kg
Dimensions (LxWxH)	500mmx440mmx330mm
Alt Name	Filter Centrifuge

## FEATURES

- 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.
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- 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 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.

- A wide voltage range design of 100V-230V improves the adaptability of the centrifuge to voltage (optional).
- 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 (fix-angle rotors only) and a variety of optional polyamide fiber adapters, able to centrifuge all types of MTP microplates, PCR plates, cell culture plates and deep well plates.
- CFDA registration and production qualification, with ISO 9001 (2015) and ISO 13485 (2016) certifications.

Nine Characteristics:

- Featuring washing, spin-drying dehydration, concentration, and filtering functions;
- TFT true color large LCD touch screen with intelligent control, simple and convenient for operation, touch panel, simultaneous display of set parameters and run parameters;
- Preset speed and time to meet the requirements of each stage;
- Filter centrifuge equipped with a vibration reduction device, enabling automatic balancing, and low noise;
- Electromechanical integrated silent door lock;
- Solving the problem of low efficiency in pressure filtration and vacuum filtration;
- Filter centrifuge with an all-stainless steel window, strong corrosion resistance;
- Attractive appearance, lightweight, high efficiency;
- Dryness level above 90%.



**Biolab Scientific Ltd.**

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