BioLAB

PRODUCT CATALOG



BENCHTOP LOW SPEED CENTRIFUGE BET-4801

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LOW SPEED CENTRIFUGE BET-4801

BENCHTOP LOW-SPEED CENTRIFUGE



The new XIUI 3.0 operating system provides programmable microcomputer control. A maintenance-free, high-torque brushless DC direct-drive motor ensures stable operation and precise speed control.
The 7-inch wide-viewing-angle LCD touchscreen supports numeric input. It displays setpoints and operating values in real time, lets users adjust settings during a run, and saves changes automatically. Multiple languages are supported, including Chinese and English.
The all-steel housing and seamless 304 stainless steel chamber are durable and corrosion-resistant. The sound-dampening lid and silicone rubber seal resist heat and corrosion and help contain aerosols. The front panel has a seven-color gradient light strip.
Intelligent audible and visual diagnostics protect against overspeed, overheatin

SPECIFICATIONS

Model	BET-4801
Max. Speed	6000rpm
Max. RCF	5436xg
Max. Capacity	4x250 mL
Speed accuracy	±10 rpm
Control and drive system	Microcomputer control with a maintenance-free, high-torque brushless DC motor
Display	7-inch wide-viewing-angle LCD touchscreen
Controls	Touch controls (optional short-range control)
Acceleration/deceleration	10 acceleration and 10 deceleration settings
Timer range	1 s to 99 h 59 min 59 s
Timing modes	Standard (timer starts at set speed) and pulse centrifugation
Total power	0.5 kW
Noise level	≤65 dB(A)
Power supply	220 V AC, 50 Hz
Weight	42 kg
Dimensions (L x W x H)	450 x 565 x 365 mm
Alt Name	Benchtop Low-Speed Centrifuge

ITEMS INCLUDED

No	Name	Capacity	Max. Speed	Max. RCF	Remarks
1	Fixed-angle rotor	12 x 10/15 mL (through-hole)	6,000 rpm	5,436 x g	-
2	Swing-out rotor	76 x 5 mL (vacuum blood tubes)	4,000 rpm	3,024 x g	Optional decapper
3	Swing-out rotor	4 x 250 mL (round)	4,000 rpm	3,152 x g	-
4	Swing-out rotor	4 x 250 mL (square)	4,000 rpm	3,152 x g	-
5	Cytology smear rotor	48 positions	2,000 rpm	772 x g	-
6	Microplate rotor	2 x 2 x 96 wells	4,000 rpm	1,760 x g	-

7	Swing-out rotor body	-	5,000 rpm	4,800 x g	Tube rack compatible
8	5 mL (standard) tube rack	48 x 5 mL	4,000 rpm	2,368 x g	-
9	5 mL (blood) tube rack	48 x 5 mL	4,000 rpm	2,832 x g	Optional decapping
10	5 mL (blood) tube rack	64 x 5 mL	4,000 rpm	2,960 x g	-
11	15 mL tube rack	16 x 15 mL	4,000 rpm	2,960 x g	-
12	15 mL tube rack	24 x 15 mL	4,000 rpm	2,960 x g	-
13	15 mL tube rack	32 x 15 mL	4,000 rpm	2,960 x g	-
14	50 mL tube rack	4 x 50 mL	5,000 rpm	4,625 x g	-
15	50 mL tube rack	8 x 50 mL	4,000 rpm	2,960 x g	-
16	100 mL tube rack	4 x 100 mL	5,000 rpm	4,800 x g	-
17	100 mL tube rack	8 x 100 mL	4,000 rpm	3,072 x g	-

FEATURES

The new XIUI 3.0 operating system provides programmable microcomputer control. A maintenance-free, high-torque brushless DC direct-drive motor ensures stable operation and precise speed control.

The 7-inch wide-viewing-angle LCD touchscreen supports numeric input. It displays setpoints and operating values in real time, lets users adjust settings during a run, and saves changes automatically. Multiple languages are supported, including Chinese and English.

The all-steel housing and seamless 304 stainless steel chamber are durable and corrosion-resistant. The sound-dampening lid and silicone rubber seal resist heat and corrosion and help contain aerosols. The front panel has a seven-color gradient light strip.

Intelligent audible and visual diagnostics protect against overspeed, overheating, imbalance, and operating errors. On-screen alerts show fault details in real time for safe, efficient operation.

The electronic lid lock supports one-touch opening and automatic release after a run. Press the lid gently to latch it. The lid can be opened manually in emergencies, such as a shutdown or power failure.

Use the external USB port or short-range control via a Bluetooth mini app for system updates and export of run history to Excel.

Ten acceleration and ten deceleration settings plus three-stage vibration damping ensure smooth operation without sample resuspension. Stores 100 programs and 1,000 run records. Programmable pulse, timed, and gradient centrifugation support a range of applications.

Intellectual property includes the HEXI networked control system (software copyright registration No. 9873780), the benchtop centrifuge (patent ZL 2021 3 0605592.0), and the centrifuge (patent ZL 2018 3030691.0).

Certified to ISO 9001:2015 and ISO 13485:2016. Holds CFDA filing and manufacturing qualifications.

APPLICATIONS

The is available with a range of buckets and adapters for clinical testing and laboratory analysis. It is widely used in laboratory and research work across biology, chemistry, medicine,agriculture and forestry, food safety, blood banks, and clinical trials.



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