



MICRO CENTRIFUGE

MICRO CENTRIFUGE BFL1K1

PALM MICRO CENTRIFUGE



Easy to operate with dual start/stop function - Close lid for a spin speed up to 7000 rpm
Smooth and quiet operation (noise level ≤ 45 dB)
Accelerates and brakes in seconds
Safe, durable and robust rotor with clamp locking design
Compatible with 2 mLx8 and PCR 8x4 rotors
Quick-change rotor without any tool

SPECIFICATIONS

Model	BFL1K1
Old Model	BCMI-401
Max. Speed	7000rpm
Max. RCF	2680xg
Rotor Capacity	0.2/0.5/1.5/2mL x 80.2mL x 32 PCR tubes 0.2mL x 4 PCR8-strips
Run Time	Continuous operation
Driving Motor	DC motor
Power Requirements	AC100-240V/50Hz/60Hz20W
Noise Level	≤ 45 dB
Dimension [DxWxH]	160x170x122mm
Weight	0.5kg
Alt Name	Palm Micro Centrifuge

ACCESSORIES FOR PURCHASE

No	Name	Description
1	Rotors	Max. speed: 7000 rpm Max. RCF: 2680 x g Rotor capacity: 0.2 mL x 32 PCR tubes 0.2 mL x 4 PCR 8-strips Rotor material: High strength plastic
2	Rotors	Max. speed: 7000 rpm Max. RCF: 2680 x g Rotor capacity: 2 mL / 1.5 mL x 8 0.2 mL x 8 0.5 mL x 8 Rotor material: High strength plastic
3	Adapters	0.2 mL rotor adapter Used with A8-2P rotor 8 pcs/pk
4	Adapters	0.5 mL rotor adapter Used with A8-2P rotor 8 pcs/pk



APPLICATIONS

This centrifuge is ideal for quick spins, microfiltration of samples, cell separations and many other routine laboratory procedures.

MICRO CENTRIFUGE BFA1Q1

MICRO-PLATE CENTRIFUGE

Micro-plate Centrifuge is specially designed for the 96-hole micro plates. It can quickly spin down droplets and condensation.



Wide applicable range. It suits for skirted, semi-skirted, non-skirted and all standard PCR plates.

Strong centrifugal power. Accelerate to 2800rpm quickly. From top speed to stop cost around 10 seconds.

Humanized design. Two modes - press to operate or timer control - make the experiments more convenient and efficient.

Smart size, simple operation. The cover can be fully opened to 95°, convenient to put and fetch the plates.

Quick spin down droplets and condensation. Used before and after thermal cycling to improve PCR yield.

SPECIFICATIONS

Model	BFA1Q1
Old Model	BCMI-501
Speed Range	2800rpm
RCF	627g
Sample Capacity	2PCR plates
Rotor	Fixed vertically
Time Range	1s ~99s or touch operation
Voltage	DC 24V Power adapter (AC 100V~230V, 50/60Hz)
Power	40W
Dimension	W.190 x D.219 x H.186mm
Net Weight	2.7kgs
Alt Name	Micro-plate Centrifuge



MICRO CENTRIFUGE BFH1CJ1

MICRO HIGH SPEED CENTRIFUGE



1. Brushless motor, no pollution, free-maintenance.
2. Microprocessor control, LCD display which indicates the speed, time, RCF in operation, 10 kinds of brake setting, operate simply.
3. Electric lid lock, super speed, imbalance protection.
4. The centrifuge body is made of high quality steel, stainless steel chamber, safe and reliable.
5. Rotor is connected to spindle by specialized taper sleeve, loading simple and quick, no direction.
6. 3 tiers protection steel cover and get the ideal centrifugation result

SPECIFICATIONS

Model	BFH1CJ1
Old Model	BCBH-102
Max. Speed	16000 rpm
Max. RCF	19040 x g
Max. Capacity	10 x 5 ml
Time Range	0 ~ 99 min 59 s
RPM/RCF Convert	Yes
Noise (dB)	≤ 55
Temperature	Normal
Acc/Dec	10 Kinds
Speed Accuracy	±20 r/min
Voltage(V/Hz)	AC 220V/110V 50Hz/60Hz
Size (W x D x H mm)	355 x 270 x 205 mm
Net Weight(Kg)	14 Kg
Certificates	CE, ISO & Calibration report available
Alt Name	Micro High Speed Centrifuge

ACCESSORIES FOR PURCHASE

No	Name	Max Speed (rpm)	Max Volume (ml)	Max. RCF (xg)
1	Angle Rotor	16000	40x0.2ml	19040
2	Angle Rotor	16000	24x0.5ml	18480
3	Angle Rotor	16000	12x1.5/2ml	17940
4	Angle Rotor	16000	10x5ml	17880
5	Angle Rotor	14000	20x1.5/2ml	15580
6	Microplate rotor	12000	24 capillary tubes	15800
7	PCR rotor	14000	4x8pcr	12070

MICRO CENTRIFUGE BFH1BY1

MICRO HIGH SPEED CENTRIFUGE



1. Brushless motor, no pollution, free-maintenance.
2. Microprocessor control, LCD display which indicates the speed, time, RCF in operation, 10 kinds of brake setting, operate simply.
3. Electric lid lock, super speed, imbalance protection. The centrifuge body is made of high quality steel, stainless steel chamber, safe and reliable.
4. Rotor is connected to spindle by specialized taper sleeve, loading simple and quick, no direction.
5. 3 tiers protection steel cover and get the ideal centrifugation result.

SPECIFICATIONS

Model	BFH1BY1
Old Model	BCBH-304
Max. Speed	16000rpm
Max. RCF	19040xg
Max. Capacity	6x10ml
Time Range	0~99min59sec
RPM/RCF Convert	Yes
Noise	≤ 65dBA
Speed Accuracy	±20rpm
Acc/Dec	10 Kinds
Size (W x D x Hmm)	370x290x215mm
Temperature accuracy	/
Temperature range	Normal
Net Weight(Kg)	16KG
Power supply	AC 220V/110V 50HZ/60HZ
Certificates	CE,ISO & Calibration report are available
Alt Name	Micro High Speed Centrifuge

ACCESSORIES FOR PURCHASE

No	Name	Max speed (rpm)	Max Volume(ml)	Max RCF (g)
1	Angle rotor	13000	4x8PCR	10410
2	Angle Rotor	16000	12x1.5/2ml	17940
3	Angle Rotor	14000	24x1.5/2ml	15470
4	Angle Rotor	16000	10x5ml	17880
5	Angle Rotor	13000	6x10ml	14190
6	Angle Rotor	16000	40x0.2ml	19040

MICRO CENTRIFUGE BFS1B1 BFS1B2

MICRO HIGH SPEED CENTRIFUGE



Extremely compact with an exceptionally small footprint. Separate Shortspin button for convenient and fast spin.

The LCD display indicated time /speed for clear and easy operation

12x1.5/2.0ml capacity rotor, 0.2ml/0.5ml PCR tube adapter available

Deceleration and acceleration of <13s (Spin up to 14,500rpm, 14,100xg)

Maintenance-free motor and drive system keep remarkably quiet operation

Excellent air-flow minimizes heating-protects temperature-sensitive samples

Chemical resistant inner centrifuge lid, metal rotor conform to IEC, 1010-2-020 safety regulations and autoclavable at 121°C 20 mins.

SPECIFICATIONS

Model	BFS1B1	BFS1B2
Power supply	110V-60Hz or 230V-50/60Hz	
Power requirement	100W	105W
Max. rotational speed (rpm)	800-13,400 rpm (in 100 rpm increments)	500-14,500 rpm (in 100 rpm increments)
Relative centrifugal force (rcf)	12,100xg	14,100xg
Timer	15 sec-99 min	
Acceleration time to max. speed	13 s	
Braking time from max. speed	12 s	
Dimensions in cm (WxDxH)	26 x 26 x 15	
Weight (including rotor)	4.3 kg	
MOQ-10PCS		
Alt Name	Micro High Speed Centrifuge	

ACCESSORIES FOR PURCHASE

No	Name
1	0.2ml PCR tube adapter
2	-0.5ml PCR tube adapter

MICRO CENTRIFUGE BET1U1 BET1U2

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	BET1U2
Max capacity	48x1.5ml/2.0ml	12x10mL
Max speed	16,500r/min	
Max RCF	22,500xg	19,600xg
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	No refrigeration
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	350W
Noise	≤65dB(A)	
Power supply	AC220V50Hz	
Weight	48kg	18kg
Dimensions (LxWxH)	350mmx680mmx300mm	260mmx380mmx310mm
Alt Name	Benchtop High Speed Microcentrifuges	



ACCESSORIES FOR PURCHASE BET1U1

No	Name	Description
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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



ACCESSORIES FOR PURCHASE BET1U2

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: 14,000r/min Max RCF: 19,600xg 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 12x5mL	Max RPM: 13,500r/min Max RCF: 14,030xg
6	Fixed-angle Rotor 8x7mL	Max RPM: 14,000r/min Max RCF: 14,110xg Bio-isolated rotor cover
7	Fixed-angle Rotor 12x10mL	Max RPM: 12,000r/min Max RCF: 14,540xg Bio-isolated rotor cover
8	PCR 8-strip tubes 4x8x0.2mL	Max RPM: 13,000r/min Max RCF: 13,180xg



FEATURES

- 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 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.

MICRO CENTRIFUGE BET2H1

MICRO HIGH SPEED CENTRIFUGE



- The new XIUI3.0 OS features microcomputer control, programmable operations, and direct drive by a maintenance-free high-torque DC brushless motor for stable running.
- 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

SPECIFICATIONS

Model	BET2H1
Max capacity	12x10mL
Max speed	16,500r/min
Max RCF	25,500xg
Speed accuracy	±20r/min (customizable, multiples of 10)
Control and drive system	Microcomputer control, maintenance-free large-torque DC brushless motor
Display mode	7" wide-angle LCD touch screen
Operation mode	Touch control (with local control option)
Rotor recognition	Automated loading and locking of rotor parameters (optional)
Gears up/down	10 gears
Timer range	1s-99h59min59s, with continuous centrifugation and instantaneous centrifugation
Total power	0.35kW
Noise	≤65dB(A)
Power supply	AC220V 50Hz
Weight	17.5kg
Dimensions (LxWxH)	260mmx390mmx305mm
Alt Name	Micro High Speed Centrifuge

ACCESSORIES FOR PURCHASE

No	Name	Description
1	Fixed-angle Rotor 12x1.5mL	Max RPM: 16,500r/min Max RCF: 19856xg
2	Fixed-angle Rotor 24x1.5mL	Max RPM: 15,000r/min Max RCF: 22,500xg
3	Fixed-angle Rotor 48x1.5mL	Max RPM: 14,000r/min Max RCF: 21756xg
4	Fixed-angle Rotor 10x5mL	Max RPM: 14,000r/min Max RCF: 14308xg
5	Fixed-angle Rotor 12x5mL	Max RPM: 13,500r/min Max RCF: 14,033xg
6	Fixed-angle Rotor 8x7mL	Max RPM: 14,000r/min Max RCF: 14112xg
7	Fixed-angle Rotor 12x10mL	Max RPM: 12,000r/min Max RCF: 14544xg
8	Fixed-angle Rotor 4x8x0.2mL (12x5mL PCR 8-tube strings)	Max RPM: 14,000r/min Max RCF: 15288xg



FEATURES

- The new XIUI3.0 OS features microcomputer control, programmable operations, and direct drive by a maintenance-free high-torque DC brushless motor for stable running.
- 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 compression-molded 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 door cover can be locked automatically by gently closing it. In case of shutdown or power outage, the door cover can be manually opened.
- The Bluetooth/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 and be programmable according to user needs for point control, timing, differential timing, density, and gradient centrifugation functions, thus meeting diverse experimental requirements.

- The optional rotor has an auto recognition function and can automatically load and lock rotor parameters; parameters may be modified during operation without the need to stop, and current parameters may be automatically saved.
- Forged aerospace aluminum rotors, suitable for centrifuge tubes of 0.2ml to 2.0ml, paired with PCR 8-tube strips.
- 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

This instrument is mainly used for rapid precipitation and separation of DNAs, RNAs, proteins and viruses, with application in bacteria and protein precipitation, nucleic acid extraction, cell/subcellular component separation, environmental sample processing, clinical trial sample processing, etc.

MICRO CENTRIFUGE BFL1L1

HIGH SPEED MICRO CENTRIFUGE



Double cooling air design ensures fast cooling of the rotor and low energy consumption
 3-layer sealed rotors ensure safe centrifugation
 Brushless motor drive, maintenance free
 Safety features include door interlock; excessive speed and temperature detection; automatic self-diagnostics
 Outstanding aluminum alloy rotors fully autoclavable at 121°C temperature and high pressure disinfection
 Five rotors are optional complete with 24 places: 1.5/2.0 mL tubes, 5.0 mL, 0.2 mL and 0.5 mL tubes with adapters
 Effective Ventilation System
 Double cooling air design, enforcing air cooling from both the upper and lower s

SPECIFICATIONS

Model	BFL1L1
Old Model	BCMI-404
Max. Speed	15000rpm (200-15000rpm), increment: 10rpm
Max. RCF	21380xg, increment: 10xg
Speed Accuracy	±20 rpm
Rotor Capacity	1.5/2mL x 24, 0.2/0.5mL x 36, PCR-8 strips x 4, 5mL x 12, 1.5mL x 18
Run Time	30sec-99min/Continuous
Acceleration/Braking time [Sec]	25s↑ 25s↓
Motor	Brushless DC motor
Safety Devices	Dual door interlock, Over-speed detection, Automatic internal diagnosis
Power Requirements	Single-phase, AC200V-400V, 50Hz/60Hz, 5A, AC100V-120V, 50Hz/60Hz, 8A 200W
Noise Level	≤64dB
Dimension [WxDxH]	280 x 364 x 266mm
Weight	12kg
Other functions	Speed/RCF switch; Short-time run function; sound-alert function
Alt Name	High Speed Micro Centrifuge

ACCESSORIES FOR PURCHASE

No	Name	Description
1	Rotors	Max. speed: 15000 rpm Max. RCF: 21380 x g Rotor capacity: 2 mL / 1.5 mL x 24, 0.2 mL x 24, 0.5 mL x 24 Rotor material: Aluminum alloy Biosealing: Yes
2	Rotors (round bottom)	Max. speed: 15000 rpm Max. RCF: 21380 x g Rotor capacity: 5 mL x 18 (round bottom) Rotor material: Aluminum alloy Biosealing: Yes
3	Rotors (cone bottom)	Max. speed: 15000 rpm Max. RCF: 21380 x g Rotor capacity: 5 mL x 12 (cone bottom) Rotor material: Aluminum alloy Biosealing: Yes
4	Rotors	Max. speed: 15000 rpm Max. RCF: 21380 x g Rotor capacity: 0.5 mL x 36, 0.2 mL x 36 Rotor material: Aluminum alloy Biosealing: Yes Available rotor adapters: A02P05
5	Rotors	Max. speed: 15000 rpm



1



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3



4



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FEATURES

Double cooling air design ensures fast cooling of the rotor and low energy consumption

3-layer sealed rotors ensure safe centrifugation

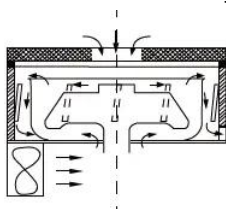
Brushless motor drive, maintenance free

Safety features include door interlock; excessive speed and temperature detection; automatic self-diagnostics

Outstanding aluminum alloy rotors fully autoclavable at 121°C temperature and high pressure disinfection

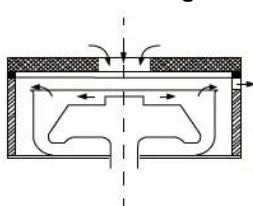
Five rotors are optional complete with 24 places: 1.5/2.0 mL tubes, 5.0 mL, 0.2 mL and 0.5 mL tubes with adapters

Effective Ventilation System



Double cooling air design, enforcing air cooling from both the upper and lower side for the rotor.

Conventional design



Limited ventilation on the upper side of the rotor.



Fully autoclavable:

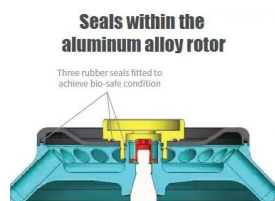
High strength aluminum alloy rotors are fully autoclavable, withstanding steam sterilizing at 121°C for 20 minutes.

Three-layer seal:

This model rotors are designed to prevent sample leakage. Each and every rotor is hermetically sealed by three rubber seals.

Mechanical safety:

centrifuges conform to MCA standard IEC/EN61010-2-20, causing disruption by partially cutting and overloading rotor assembly, and guarantees that no part shall be detached to cause danger to person or the environment.



APPLICATIONS

Suitable for numerous biological, chemistry, clinical and research applications including molecular biology, clinical chemistry labs, wide variety of microbiology applications, such as DNA, RNA or protein isolation and many more.

MICRO CENTRIFUGE BFH1W1

REFRIGERATED MICRO CENTRIFUGE



- 1.Brushless frequency motor,stable,quietly running,long life,unnecessary to maintain, quick in speed up and down.
- 2.Imported compressors,fluorine-free, double cycle cooling, cold and hot alternating easily, environment pollution-free and precise in temperature control.
3. Microprocessor control, LCD display in all parameters running.
- 4.Automatically electric lid lock, super speed, over temperature protection and imbalance protection. The centrifuge body is made of high quality steel, safe and reliable.
- 5.There are several kinds of rotors for your choice, adapters can be designed by experimental requirements.
- 6.3 layers protection of steel structure and get the ideal centrifugation result.

SPECIFICATIONS

Model	BFH1W1
Old Model	BCBHR-303
Max speed	16000rpm
Max volume	24x1.5ml/2ml
Timer	1-9h59min
Dimension(HxDxW)	508x450x270mm
Speed accuracy	±20rpm
Temperature range	-20~40°C
Max RCF	19040xg
Noise	≤55dBA
Net weight	43KG
Power supply	AC 220V 50HZ 5A
Package	Wooden box
Temperature accuracy	±1°C
Alt Name	Refrigerated Micro Centrifuge

ACCESSORIES FOR PURCHASE

No	Name	Max speed(rpm)	Max capacity(ml)	Max RCF(xg)
1	Angle rotor	16000	40*0.2ml	19040
2	Angle rotor	16000	24*0.5ml	18480
3	Angle rotor	16000	12*1.5/2ml	16260
4	Angle rotor	16000	10*5ml	17880
5	Angle rotor	14000	24*1.5/2ml	17950

MICRO CENTRIFUGE BFD101

REFRIGERATED MICROCENTRIFUGE



SPECIFICATIONS

Model	BFD101
Old Model	BCMR-102
Max. Capacity	12 x 5 ml
Max. Speed	14 000 rpm
Max. RCF	18 880 Xg with 24 x 1.5/2.0 ml rotor

Control System	Microprocessor
Refrigeration System	CFC-Free
Drive System	Direct, induction motor drive
Display	Full color touchscreen interface
Rotor Identification	Auto-ID Instant, immediately upon rotor insertion
Programmability	via easy access touchscreen menu
Program Storage	16 user-defined
Accel/Decel Profiles	10/10
Running Time	1 s - 999 min : 59 s
Timer	Count up or down
Speed Accuracy	± 10 r/min
Temp. Control Range	-10 °C to +35 °C
Temp. Accuracy	± 1 °C
Noise Level	≤ 56 dB(A)
Power Supply	AC 200-240 V, 50/60 Hz or AC 100-127 V, 50/60 Hz
Max. Power Consumption	800 W
Dimension (W x D x H)	11.2 x 15.7 x 11.2 in / 28.5 x 40 x 28.5 cm
Weight w/o Rotor	44 lb / 20 kg
Alt Name	Refrigerated Micro-centrifuge

ACCESSORIES FOR PURCHASE

No	Name	Rotor Capacity (places x volume, ml)	Tube Size (Φ x L in mm)	Max Speed (rpm)	Max RCF (xg)
1	No.1 Fixed-Angle Rotor	24 x 1.5/2.0 ml (with adapters for 0.2/0.5 ml tube)	Φ11 x 42	14,000	18,880
2	No.2 Fixed-Angle Rotor	4 x PCR-strips	-	14,000	17,100
3	No.3 Fixed-Angle Rotor	12 x 5 ml	Φ14 x 54	14,000	18,000



MICRO CENTRIFUGE BFD1P1

REFRIGERATED MICROCENTRIFUGE



SPECIFICATIONS

Model	BFD1P1
Old Model	BCMR-103
Max. Capacity	12 x 5 ml
Max. Speed	15 000 rpm
Max. RCF	21 630 Xg with 24 x 1.5/2.0 ml rotor
Control System	Microprocessor
Refrigeration System	CFC-Free
Drive System	Direct, induction motor drive
Display	Full color touchscreen interface
Rotor Identification	Auto-ID Instant, immediately upon rotor insertion
Programmability	via easy access touchscreen menu
Program Storage	16 user-defined
Accel/Decel Profiles	10/10
Running Time	1 s - 999 min : 59 s
Timer	Count up or down
Speed Accuracy	± 10 r/min
Temp. Control Range	-10 °C to +35 °C
Temp. Accuracy	± 1 °C
Noise Level	≤ 58 dB(A)
Power Supply	AC 200-240 V, 50/60 Hz or AC 100-127 V, 50/60 Hz
Max. Power Consumption	800 W
Dimension (W x D x H)	11.2 x 15.7 x 11.2 in / 28.5 x 40 x 28.5 cm
Weight w/o Rotor	46 lb / 21 kg
Alt Name	Refrigerated Micro-centrifuge

ACCESSORIES FOR PURCHASE

No	Name	Rotor Capacity (places x volume, ml)	Tube Size (Φ x L in mm)	Max Speed (rpm)	Max RCF (xg)
1	No.1 Fixed-Angle Rotor	24 x 1.5/2.0 ml (with adapters for 0.2/0.5 ml tube)	Φ11 x 42	15,000	21630
2	No.2 Fixed-Angle Rotor	4 x PCR-strips	-	15,000	19620
3	No.3 Fixed-Angle Rotor	12 x 5 ml	Φ14 x 54	15,000	20670



1



2



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MICRO CENTRIFUGE BFL1BP1

HIGH-SPEED REFRIGERATED MICRO CENTRIFUGE



Electronic Magnetic door locking system - the lid can be closed with one hand soft touch

Precooling: the compressor automatically starts cooling as long as the set temperature is lower than the ambient temperature

Sound indicator at the end of running

Temperature range: -20 °C to 40 °C

Short pre-cooling time of only 7 minutes from room temperature to 4 °C

Up to 9 program storage capacity

3-layer sealed rotors ensure safe centrifugation

High-strength aluminum alloy rotor can be fully autoclavable at 121 °C

Rotor imbalance detection alarm

Adjustable acceleration/deceleration at 9 levels allows gentle braking at low sp

SPECIFICATIONS

Model	BFL1BP1
Max. Speed	15,000rpm (200-15,000rpm) in 100rpm increments.
Max. RCF	21,380 x g, step: 10 x g
Capacity	1.5/2mL x 24, 0.2/0.5mL x 36, PCR-8 strips x 4, 5mL x 12, 5mL x 18
Temperature setting	-20°C - 40°C
Run Time	30s-99 min; HOLD (continuous running)
Acceleration and deceleration time	25s ↑ 25s ↓
Motor Type	Brushless DC motor
Safety Performance	Dual door lock, over-speed detection, over-temperature detection with Internal diagnosis system.
Power Requirements	Single-phase, 100-120V/200-240V, 50Hz/60Hz. 500W
Noise Level	≤56dB
Dimensions [W x D x H]	332 x 553 x 283mm
Weight	30kg
Other functions	Rotation speed/RCF switchover, inching operation, running process indicator, sound alert. Adjustable acceleration/deceleration at 9 levels program storage capacity.
Alt Name	High-speed Refrigerated Micro Centrifuge

ACCESSORIES FOR PURCHASE

No	Name	Description
1	Rotors	Max. speed: 15000 rpm Max. RCF: 21380 x g Rotor capacity: 2 mL / 1.5 mL x 24, 0.2 mL x 24, 0.5 mL x 24 Rotor material: Aluminum alloy Biosealing: Yes
2	Rotors (round bottom)	Max. speed: 15000 rpm Max. RCF: 21380 x g Rotor capacity: 5 mL x 18 (round bottom) Rotor material: Aluminum alloy Biosealing: Yes
3	Rotors (cone bottom)	Max. speed: 15000 rpm Max. RCF: 21380 x g Rotor capacity: 5 mL x 12 (cone bottom) Rotor material: Aluminum alloy Biosealing: Yes

4	Rotors	Max. speed: 15000 rpm Max. RCF: 21380 x g Rotor capacity: 0.5 mL x 36, 0.2 mL x 36 Rotor material: Aluminum alloy Biosealing: Yes Available rotor adapters: A02P05
5	Rotors	Max. speed: 15000 rpm



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FEATURES

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High-strength aluminum alloy rotor can be fully autoclavable at 121 °C

Rotor imbalance detection alarm

Adjustable acceleration/deceleration at 9 levels allows gentle braking at low speed for better separation

Five rotors with 0.2 mL, 0.5 mL, 1.5 mL, 2 mL and 5 mL centrifuge tubes/PCR tubes capacity

An external condensation tank prevents water accumulation within the centrifuge chamber.



APPLICATIONS

Ideal for centrifugation of temperature sensitive samples, such as live cells, animals or proteins. It allows them to be used in a multitude of applications, including pelleting of DNA and RNA samples, pelleting of PCR amplified nucleic acids, separation of antibody and protein precipitates, performing enzymatic tests, removing cell debris from cell homogenates, and achieving bacterial and yeast cell fractionation.

MICRO CENTRIFUGE BET2F1

BENCHTOP HIGH SPEED MICRO VOLUME REFRIGERATED 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 utilize imported fluorine-free refrigerating compressor units (refrigerant R404a) that meet the environmental requirements, with pre-cooling function and a wide temperature control range: -20°C to +40°C, quickly reaching the set temp

SPECIFICATIONS

Model	BET2F1
Max capacity	48x1.5mL
Max speed	16,500r/min
Max RCF	22,500xg
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 (with local control option)
Rotor recognition	Automated loading and locking of rotor parameters (optional)
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
Gears up/down	10 gears
Timer range	1s-99h59min59s, with continuous centrifugation and instantaneous centrifugation
Total power	0.6kW
Noise	≤65dB(A)
Power supply	AC220V 50Hz
Weight	51.5kg
Dimensions (LxWxH)	350mmx640mmx330mm
Alt Name	Benchtop High Speed Micro Volume Refrigerated Centrifuge

ACCESSORIES FOR PURCHASE

No	Name	Description
1	Fixed-angle Rotor 12x1.5mL	Max RPM: 16,500r/min Max RCF: 19856xg
2	Fixed-angle Rotor 24x1.5mL	Max RPM: 15,000r/min Max RCF: 22,500xg
3	Fixed-angle Rotor 48x1.5mL	Max RPM: 14,000r/min Max RCF: 21756xg
4	Fixed-angle Rotor 12x5mL	Max RPM: 14,000r/min Max RCF: 15092xg
5	Fixed-angle Rotor 4x8x0.2mL (PCR 8-tube strings)	Max RPM: 15,000r/min Max RCF: 17550xg



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 utilize imported fluorine-free refrigerating compressor units (refrigerant R404a) that meet the environmental requirements, with pre-cooling function and a wide temperature control range: -20°C to +40°C, quickly reaching the set temperature; the chamber is embedded with copper pipes complying with national standards for strong hot and cold exchange capabilities and ensuring constant-temperature centrifugation.
- 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/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 and be programmable for point control, timing, differential timing, density, and gradient centrifugation functions, thus meeting diverse experimental requirements.
- The hidden drainage function allows for easy expulsion of condensate water with a gentle squeeze, thereby preventing motor failure due to condensate water and extending the centrifuge's lifespan.
- The optional rotor has an auto recognition function and can automatically load and lock rotor parameters; parameters may be modified during operation without the need to stop, and current parameters may be automatically saved.
- Forged aerospace aluminum rotors, suitable for centrifuge tubes of 0.2ml to 2.0ml, paired with PCR 8-tube strips.
- 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

With a large 7" touch screen, the instrument is easy to operate and can be lifted up and down fast and paired with PCR 8-tube strips for rapid precipitation and separation of DNA, RNA, protein and virus. It is 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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