



BENCHTOP SHAKING INCUBATOR

BENCHTOP SHAKING INCUBATOR BFA1BZ1 BFA1BZ2

MICRO-PLATE SHAKER INCUBATOR

Micro-plate incubator is a well-designed micro processing techniques incubator which well combined with PID controlling. It is mainly used for solution incubation of ELISA plate (96-well/384-well), cell culture plate (24-well / 48-well / 96-well) at proper temperature.



LCD display. Setting temperature and actual temperature simultaneously displayed. Diminishing time displayed.
 Friendly human-machine operation interface. Streamline shape, pretty and elegant. Convenient for cleaning.
 Uniformly upper & down heating for samples in micro plates. The experiment effect is exact correspondence of the setting and actual temperature.
 Microprocessors controls temperature and time, good temperature control linear, small fluctuations.
 2/4 standard ELISA plates and microplates can be placed, and sound alarm signal after the program finished.

SPECIFICATIONS

Model	BFA1BZ1	BFA1BZ2
Old Model	BDIB-112	BDIB-113
Temp. Control Range	R.T.+5°C ~70°C	
Temp. Setting Range	5°C~70°C	
Temp. Stability@37°C	±0.2°C	
Platform Temp. Uniformity	±0.5°C	
Temp. Display Accuracy	0.1°C	
Heating Speed	<25min (20°C to 70°C)	
Time Range	1min~99h59min	
Sample Capacity	2 Pieces of Plates(Height <25mm)	4 Pieces of Plates(Height <40mm)
Voltage	AC 220V/AC 110V, 50/60Hz	
Power	150W	250W
Fuse	250V, 1A/2A, Φ5x20	250V, 3A/5A, Φ5x20
Dimension	W.284 x D.264 x H.157mm	W.345 x D.310 x H.178mm
Net Weight	3.3kgs	4.9kgs
Alt Name	Micro-plate Shaker Incubator	



BFA1BZ1



BFA1BZ2

BENCHTOP SHAKING INCUBATOR BGH1J1

MICROPLATE SHAKER

The microplate shaker is driven by a DC brushless motor, which is mainly used for microplates (96-well / 384-well plates), cell culture plates (24-well plates, 48-well plates, 96-well plates, etc.) and 1.5 / 2.0 mL centrifuge test tubes and other solutions to mix and shake.



Continuous or timing operation.
DC brushless motor for gentle and powerful vibration.
Orbital of 3 mm for efficient mixing in small sample vessels.
Simple spring holders for easy and quick plate installation.

SPECIFICATIONS

Model	BGH1J1
Shaking speed setting accuracy	10 rpm
Shaking speed	200~1500 rpm standard microplate / 200~1000 rpm deepwell plate or tube holder
Timer range	1 min~99 h 59 min
Mixing orbit	3 mm
Power supply	24 VDC
Dimension (mm)	290x270x120 mm
Weight	6.5 kg
Alt Name	Microplate Shaker

BENCHTOP SHAKING INCUBATOR BFA1CA1

MICRO-PLATE SHAKER

Micro Plate Shaker is mainly applied in solution mixing and shaking with PCR plate (96-holes/384-holes), cell culture plate (24-holes/48-holes/96-holes etc.) for immunoassay and dyeing experiments. It is safe to use in a low temperature environment or low temperature incubator. This model is designed compactly with simple and convenient operation and low noise.



Simple and easy operation panel. LED display time and speed accurately.
Microprocessor controls speed and time, safe, stable and low noise.
Can accommodate 4 standard PCR plates or micro plates, mixing sample efficiently.
DC brushless motor, long life and free of maintenance. Provides both gentle and powerful shaking.
Timing function. Alarm after program finishes. Continuous working can be set.
Note: When using deep hole plate, the instrument speed should not exceed 1000rpm.
Installation diagram

SPECIFICATIONS

Model	BFA1CA1
Old Model	BSTH-112
Speed Range	200 ~1500rpm - standard (increment: 10 rpm), 200 ~1000 rpm - deep-well plate (increment: 10 rpm)
Shaking Orbit	3mm (horizontal)
Time Range	1min ~99h59min or continuously

Sample Capacity	4 standard plates
Voltage	AC 100V~230V, 50/60Hz
Power	50W
Fuse	250V, 1A, Φ 5x20
Dimension	W.284 x D.264 x H.121mm
Net Weight	5.2kgs
Alt Name	Micro-plate Shaker

FEATURES

Simple and easy operation panel. LED display time and speed accurately.

Microprocessor controls speed and time, safe, stable and low noise.

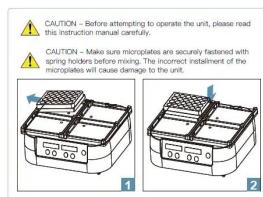
Can accommodate 4 standard PCR plates or micro plates, mixing sample efficiently.

DC brushless motor, long life and free of maintenance. Provides both gentle and powerful shaking.

Timing function. Alarm after program finishes. Continuous working can be set.

Note: When using deep hole plate, the instrument speed should not exceed 1000rpm.

Installation diagram



BENCHTOP SHAKING INCUBATOR BFA1BY1 BFA1BY2

MICRO-PLATE SHAKER INCUBATOR

Micro-plate Shaker Incubator adopts micro-processing techniques combined with PID control, low profile and nice exterior, low noise and easy handling. It is mainly used in mixing and incubating samples in micro-plates, cell culture plates and other standard plates at proper temperature.



LCD displays the setting and actual temperature, time and shaking speed simultaneously.

Simple touch operation interface, streamlined fuselage, pretty appearance and convenient for cleaning.

Both cover and bottom two-sides heating makes sample in each plate hole be heated uniformly.

The micro-processor controls temperature and shaking speed. Good linearity of temperature control. Precise control of shaking speed.

Configure 2 plates or 4 plates. Beep alarm when operation ends.

DC brushless motor drive, long life and free of maintenance.

SPECIFICATIONS

Model	BFA1BY1	BFA1BY2
Old Model	BSTH-104	BSTH-105
Speed Range	200~1200rpm	
Shaking Orbit	3mm (horizontal)	2mm (horizontal)

Temp. Control Range	R.T.+5°C ~70°C	
Temp. Setting Range	5°C~70°C	
Temp. Stability@37°C	±0.2°C	
Platform Temp. Uniformity	±0.5°C	
Temp. Display Accuracy	0.1°C	
Heating Speed Range	<25min (20°C to 70°C)	
Time Range	1min~99h59min or short mix	
Sample Capacity	2 Pieces of Plates (Height <25mm)	4 Pieces of Plates (Height <40mm)
Voltage	AC 220V/AC 110V, 50/60Hz	
Power	150W	250W
Fuse	250V, 1A/2A, Φ5x20	250V, 3A/5A, Φ5x20
Dimension	W.284 x D.264 x H.157mm	W.345 x D.310 x H.178mm
Net Weight	6.7kgs	10.5kgs
Alt Name	Micro-plate Shaker Incubator	



BFA1BY1



BFA1BY2

BENCHTOP SHAKING INCUBATOR BFA1W1 TO BFA1W4

INCUBATOR SHAKER

Incubator Shaker is one kind of temperature controlled biochemical instrument combining incubation and shaking function. It is widely used in cell culture, fermentation, hybridization, biochemistry, research of enzyme and cell tissue, etc. which requires higher quality of temperature controlling and shaking speed. It can dynamically and statically cultivate microbial cell and all kinds of strains.



PID control speed technology.
Integrate incubator and shaker. Save lab space.
Compact design, good temperature uniformity, low noise.
Micro-processor controls temperature and shaking speed. Built-in timing function .
Human friendly touch-tone operation interface. Cover can be widely angle opened, convenient to watch and pick sample.
Equipped with cover switch. When the cover is open, air circulation, heating and shaking will automatically stop. No temperature overshoot problem.
Unique speed control circuit to ensure shaker smoothly start to avoid liquid spilling.
Circulation fan speed can be adjusted to avoid high-speed of the circulation fan

SPECIFICATIONS

Model	BFA1W1	BFA1W2	BFA1W3	BFA1W4
Old Model	BSFLS-106	BSFLS-107		BSFLS-109
Speed Range	50rpm~300rpm	200rpm~1200rpm	50rpm~300rpm	

Shaking Orbit	20mm (circle)	3mm (horizontal)	20mm (circle)		
Temp. Control Range	R.T.+5~60℃			4~60℃ @R.T.≤25℃	
Temp. Max. Decrease	/			R.T. decreases 20℃	
Temp. Setting Range	5~60℃			4~60℃	
Max. drop temp.	/			R.T. decrease 20℃@R.T.≥25℃	
Temp. Stability@37℃	±0.3℃				
Temp. Display Accuracy	0.1℃				
Time Range	1min~99h59min				
Voltage	AC 220V/AC 110V, 50/60Hz				
Power	400W		600W		
Fuse	250V, 3A/5A, Φ5x20		250V, 5A/10A, Φ5x20		
Dimension (WxDxH)	W.360 x D.435 x H.320mm		W.514 x D.660 x H.430mm	W.385 x D.560 x H.320mm	
Net Weight	18.7kgs		44.2kgs	25.8kgs	
Optional Platform	Refer to 'Platform Option'	Platform PW-1500	Platform PW-420	Refer to 'Platform Option'	
Alt Name	Incubator Shaker				



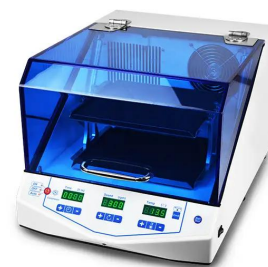
BFA1W1



BFA1W2



BFA1W3



BFA1W4

ITEMS INCLUDED BFA1W2

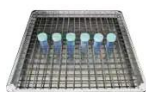
No	Name	Description
1	PW-1500	W.280 x D.214 x H.13mm



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ITEMS INCLUDED BFA1W3

No	Name	Description
1	PW-420	W.410 x D.420 x H.65mm



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ACCESSORIES FOR PURCHASE BFA1W1 BFA1W4

No	Name	Description
1	P6-250	Platform with clamps
2	P12-100	Platform with clamps
3	UP-12	Universal platform with adjustable bars

4	PP-4A	Flat platform with non-slip rubber mat
5	PP-4	Flat platform with non-slip rubber mat
6	PW-260	Universal platform with springs
7	PP-4 or PP-4A	Sticky Pad SPD-GS used in the platform



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FEATURES

PID control speed technology.

Integrate incubator and shaker. Save lab space.

Compact design, good temperature uniformity, low noise.

Micro-processor controls temperature and shaking speed. Built-in timing function .

Human friendly touch-tone operation interface. Cover can be widely angle opened, convenient to watch and pick sample.

Equiped with cover switch. When the cover is open, air circulation, heating and shaking will automatically stop. No temperature overshoot problem.

Unique speed control circuit to ensure shaker smoothly start to avoid liquid spilling.

Circulation fan speed can be adjusted to avoid high-speed of the circulation fan making the sample volatilize.

Independent temperature alarm system. Heating is cut off automatically when temperature is over the limited value.

Sound alarms after program finishes.

Brushless DC motor, long life and maintenance-free.

BENCHTOP SHAKING INCUBATOR BGI1BA1 TO BGI1BA4

SHAKING INCUBATOR



- Large LCD screen to display more data at same time.
- Stainless-steel chamber and platform, easy to clean.
- Big observation windows.
- Microprocessor controller for temperature and shaking speed with timing function.
- Self-check function easy to identify problems.
- Smooth start and stop system prevents liquid spillage.
- Auto-controller of fan speed to prevent damage to the samples.
- Safety door switch, auto pause operation when door is opened.
- R134a refrigerant, imported compressor and fan motor.
- High effective filter provides filtration of bacteria and dust.
- Temperature-limiting alarm system, auto switch off when over-temperature.

SPECIFICATIONS

Model	BGI1BA1	BGI1BA2	BGI1BA3	BGI1BA4
Old Model	BSBT-101	BSBT-102	BSBT-104	BSBT-105
Electrical Requirement	220V 50Hz			

Shaking Speed Range	40~250r/min	40~300r/min		
Amplitude	20mm			
Temperature Range	RT+5~65℃		4~65℃ (Ambient temp-20℃)	
Display Resolution	0.1℃			
Power Consumption	450W	650W	1000W	1300W
Platform Size	280x280	350x350	450x450	
Default Platform	Spring wire racks			
Timing Range	0~5999min			
Alt Name	Shaking Incubator			

FEATURES

- Large LCD screen to display more data at same time.
- Stainless-steel chamber and platform, easy to clean.
- Big observation windows.
- Microprocessor controller for temperature and shaking speed with timing function.
- Self-check function easy to identify problems.
- Smooth start and stop system prevents liquid spillage.
- Auto-controller of fan speed to prevent damage to the samples.
- Safety door switch, auto pause operation when door is opened.
- R134a refrigerant, imported compressor and fan motor.
- High effective filter provides filtration of bacteria and dust.
- Temperature-limiting alarm system, auto switch off when over-temperature.
- RS485 connector can connect computer record and inspect the parameters and the variations of temperature. (option)
- Maintenance-free DC Brushless motor, easy to clean.

Options:

- Programmable Temperature Controller
- Controller board and printer(Nested)
- Independent temperature-limiting alarm
- RS485 connector and software

APPLICATIONS

Microprocessor controller (with timing function)

Widely applicable for researches on bacteria cultivation, fermentation, hybridization, chemical and biochemical reaction, enzymes and tissues research, which have a high requirement on precision of shaking speed and temperature.

MORE INFO

Platform used for flask clamp and tube holder.Maximum of flask clamp (Monolayer)

BENCHTOP SHAKING INCUBATOR BER1BE1 BER1BE2

CONSTANT TEMPERATURE SHAKING INCUBATOR



1. Large-screen LCD, can be continuous, accurate, real-time shows temperature, speed, working time. menu operation interface, easy to operate.
2. Microcomputer control temperature and oscillation frequency with timing functions, built-in power-off protection can automatically resume operation after power on.
3. Unique air duct breeze circulation, with better temperature uniformity; large observation window, Easy to observe sample, easy to be opened and closed
4. Speed control : intelligent brushless DC motor, high speed accuracy, slow start design, auto lock if speed out of control. adjustable starting speed to prevent the splash of shake flask liquid.
5. With function of cutting off UV lamp by open door.
6. Studio at the bottom waterproof, Spills will not affect the normal operation

SPECIFICATIONS

Model	BER1BE1	BER1BE2
Shaking Mode	Cyclotron Oscillation	
Function		
--Amplitude	Φ20mm	
--Temp. Resolution	0.1℃	
--Temp. Motion	± 0.1℃	
--Temp. Uniformity	± 1℃	
--Temp. Range	RT+5 ~ 65℃	4 ~ 65℃(25℃)
--Rotary Speed	30 ~ 300rpm	
--Rotary Speed Precision	± 1rpm	
Structure		
--Chamber Material	Mirror Stainless Steel	
--Outer Shell	ABS	
--Observation Window Material	Imported resin	
--Thermal Insulation Material	Polyurethane	
--Cooling System	No	Yes
--Coolant	No	R134a
--Heater	Stainless steel heating tube	
--Drive Mode	Three-axis level	
--Standard Tray Style	Universal spring grid tray	
--Air Circulation Mode	Horizontal convection	
--Power Rating	0.6kW	0.8kW
Controller		
--Temp. Control Mode	LCD PID intelligent control	
--Cyclotron Control Mode	LCD PID intelligent control	
--Setting Mode	Automatic changes of rotation direction	
--Temp. Display Mode	Touch button setting	
--Speed Display Mode	LCD display	
--Timer	0 ~ 9999min	
--Operation Function	Fixed value operation, timing function, bidirectional automatic switchover, auto stop, quick stop start	
--Temperature Sensor	PT100	
--Speed Sensor	Hoare	

--Gating System	Yes	
--Additional Function	Deviation correction, menu keys locked, power-off memory	
Safety Device	over temperature alarm, menu locked, gating system, power-off protection, plugging turn protection	
Specification		
--Inner Chamber Size (W*L*H)(mm)	455*380*290	560*390*320
--Exterior Size (W*L*H)(mm)	500*640*480	600*770*500
--Packing Size (W*L*H)(mm)	802*620*685	913*720*698
--Shelf Size (mm)	380*320	480*315
--Max capacity of Shelf for single specification(ml/pc)	100ml*16/250ml*9/500ml*5/1000ml*4	100ml*24/250ml*12/500ml*8/1000ml*6
--Inside Volume	50L	70L
--Shelf Load Bearing	≤10kg/layer	≤15kg/layer
--Shelf Layer	1	
--Power Supply (50/60Hz) Current Rating	AC220V/2.5A	AC220V/3.5A
--NW/GW (kg)	45/55	65/85
Optional Flask Clip Tray Wireless Short Message Alarm System	100ml*16/250ml*9/500ml*5/1000ml*4	100ml*24/250ml*12/500ml*6/1000ml*6
Alt Name	Constant Temperature Shaking Incubator	

FEATURES

1. Large-screen LCD, can be continuous, accurate, real-time shows tempera-ture, speed, working time. menu operation interface, easy to operate.
2. Microcomputer control temperature and oscillation frequency with timing functions, built-in power-off protection can automatically resume operation after power on.
3. Unique air duct breeze circulation,with better temperature uniformity;large observation window, Easy to observe sample, easy to be opened and closed
4. Speed control : intelligent brushless DC motor, high speed accuracy, slow start design, auto lock if speed out of control. adjustable starting speed to prevent the splash of shake flask liquid.
5. With function of cutting off UV lamp by open door.
6. Studio at the bottom waterproof, Spills will not affect the normal operation of the machine.

APPLICATIONS

Small desktop constant temperature shaking culture equipment.

BENCHTOP SHAKING INCUBATOR BER1BC1 BER1BC2

DESKTOP CONSTANT TEMPERATURE SHAKER[LCD]



Ultra-low speed start, auto-lock when speed out of control, adjustable start-up speed .

Multi-stage speed, temperature and time control system.

Can set different speed, temperature and time in one time, automatic change operating mode during working.

Silent fan design, forced air convection mode and unique air circulation structure, ensure good temperature uniformity.

Automatic refrigerating mode, environmental friendly cryogen, automatic control for refrigerating system on and off based on ambient temperature.

Intelligent refrigerators without frost, automatic defrosting function, can set time and interval time for defrosting, ensure machines in stable operation under low temperature. With refrigerating delay start-up function to protect the comp

SPECIFICATIONS

Model	BER1BC1	BER1BC2
Control Mode	PID Microcomputer Processing Chip	
Cycle Mode	Forced Air Convection	
Oscillation Mode	Cyclotron Oscillation	
Display Mode	LCD Display	
Drive Mode	Single-Dimensional Drive	
USB Data Download System	Yes (optional)	
Control System	Standard Mode;Continuous Mode;Programable Mode(multi-stage temperature,speed and time control)	
Rotary Speed Range(rpm)	0, 20-450(Static Cultivate, Positive And Negative Rotation)	
Rotary Accuracy(rpm)	±1	
Amplitude(mm)	Φ26	
Max Capacity (clamp)	100ml x 23 or 250ml x 15 or 500ml x 9 or 1000ml x 6 or 2000ml x 4	
Max Capacity (stick mat)	100ml x 30 or 250ml x 20 or 500ml x 9 or 1L x 8 or 2L x 4	
Standard Configuration	500ml x 3 250ml x 3	100ml x 4 50ml x 4
Plate Size(mm)	450 x 410	
Timer Range(h/min)	0-9999 (with timing function, continuous operating)	
Temperature Range(°C)	+5-65	4-65(25°C)
Temperature Accuracy(°C)	±0.1	
Temperature Uniformity(°C)	±0.5(37°C, Effective Working Area)	
Temperature Motion(°C)	≤0.1(37°C)	
Tray Number	1 piece	
External Size(mm)	750 x 710 x 520	
Capacity(L)	70	
Power(W)	550	650
Power Supply	AC220 ± 10% 50-60HZ	
Ambient Temperature(°C)	5-30	
Additional Function	Ultra-low speed start, adjustable start speed, automatic over speed protection, timer monitor, parameter memory, electricity incoming recovery, refrigeration unit overload protection and electricity incoming delay start, automatic defrosting, upper and lower limits over temperature acousto optic alarm, automatic stop by door opened (optional), LED light, UV sterilizing function (optional), parameter setting for viewing, calibration for monitor temperature and ambient temperature.	
Alt Name	Desktop Constant Temperature Shaker(LCD)	

FEATURES

Ultra-low speed start, auto-lock when speed out of control, adjustable start-up speed .

Multi-stage speed, temperature and time control system.

Can set different speed, temperature and time in one time, automatic change operating mode during working.

Silent fan design, forced air convection mode and unique air circulation structure, ensure good temperature uniformity.

Automatic refrigerating mode, environmental friendly cryogen, automatic control for refrigerating system on and off based on ambient temperature.

Intelligent refrigerators without frost, automatic defrosting function, can set time and interval time for defrosting, ensure machines in stable operation under low temperature. With refrigerating delay start-up function to protect the compressor.

Three rotation modes for choosing positive rotation inversion reciprocal and mutual conversion.

LCD display temperature, time and speed on the same screen.

With fault self-diagnosis, indicating fault location and fault code, to help find problems and solve problems .

High precision speed control PID feedback control, avoid damage from long time motor working at low speed causing motor under over heating.

Equipped with servo motor, control speed accuracy, high and low speed performance.

Selected imported compressors meet the international environmental protection requirements, safe fluorine free refrigeration, and low noise.

With ultraviolet disinfection (including air duct disinfection) and lighting functions.

BENCHTOP SHAKING INCUBATOR BGI2Q1 TO BGI2Q8

SHAKER INCUBATOR

This instruments high-end brand, specialized in providing general lab equipment like high performance dry oven, vacuum oven, CO2 incubator, low temp. incubator, thermostat incubator, constant humidity chamber, drug stabilization chamber, shaker, orbital shaker etc. Devote to provide user intelligent, professional, humanized lab instruments, which meets modern laboratory high end application.



Intelligent:

Colorful touch screen or LCD controller, menu type operation interface makes operation simple and easily.

With preset start, standby and end function.

Multi phase temp. speed, time and heating etc parameters can be set and programmable at the same time, simplified complicated experiments process.

With App running control and monitoring function.

Profession:

Adopt international standard DIN-12880-2007 test and manufacturing.

Offer temp. shake speed, timer control and working chamber temperature is uniform.

Observe the samples through glass windows, which would not affect working chambe

SPECIFICATIONS

Model	BGI2Q1	BGI2Q2	BGI2Q3	BGI2Q4
Old Model	BSBT-1701	BSBT-1702	BSBT-1703	BSBT-1704
Temp. range	RT+5 - 65°C			4 - 65°C
Temp. control accuracy	0.1°C			
Speed range	40 - 250rpm		40 - 300rpm	
Frequency accuracy	±1rpm			
Platform size (mm)	250x250	350x350	450x450	
Inside height (mm)	195	265	330	
Overall size WxDxH (mm)	390x590x370	490x690x450	590x825x550	590x975x550
N.W	32 Kg	42 Kg	52 Kg	75 Kg
Amplitude	20mm			

Running time	1 - 99h59min			
Power requirement	AC220V/50Hz			
Rated power	450W	650W	1000W	1300W
Standard configuration	250mlx8pcs	250mlx13pcs	250mlx18pcs	
Alt Name	Shaker Incubator			
Model	BGI2Q5	BGI2Q6	BGI2Q7	BGI2Q8
Old Model	BSBT-1705	BSBT-1706	BSBT-1707	BSBT-1708
Temp. range	RT+5 - 65°C			4 - 65°C
Temp. control accuracy	0.1°C			
Speed range	40 - 250rpm		40 - 500rpm	
Frequency accuracy	±1rpm			
Platform size (mm)	250x250	350x350	450x450	
Inside height (mm)	195	265	330	
Overall size WxDxH (mm)	390x590x370	490x690x450	590x825x550	590x975x550
N.W	32 Kg	42 Kg	52 Kg	75 Kg
Amplitude	4mm		5mm	
Running time	1 - 99h59min			
Power requirement	AC220V/50Hz			
Rated power	450W	650W	1000W	1300W
Standard configuration	250mlx8pcs	250mlx13pcs	250mlx18pcs	
Alt Name	Shaker Incubator			

ACCESSORIES FOR PURCHASE BGI2Q1

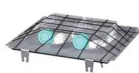
No	Name
1	Spring wire rack
2	Universal attachment
3	Cell culture spring rack
4	Flask clamp
5	Rubber mat
6	Tube rack
7	Universal platform
8	Sticky pad



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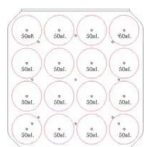


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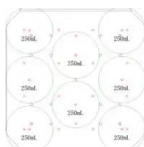
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2	100ml*9pcs
3	250ml*8pcs
4	500ml*4pcs



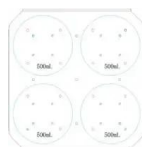
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ACCESSORIES FOR PURCHASE BGI2Q2

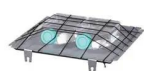
No	Name
1	Spring wire rack
2	Universal attachment
3	Cell culture spring rack
4	Flask clamp
5	Rubber mat
6	Tube rack
7	Universal platform
8	Sticky pad



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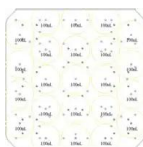


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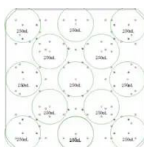
No	Name
1	50ml*36pcs
2	100ml*23pcs
3	250ml*13pcs
4	500ml*8pcs
5	1000ml*4pcs



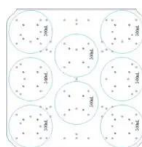
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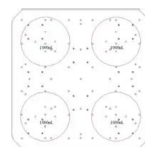
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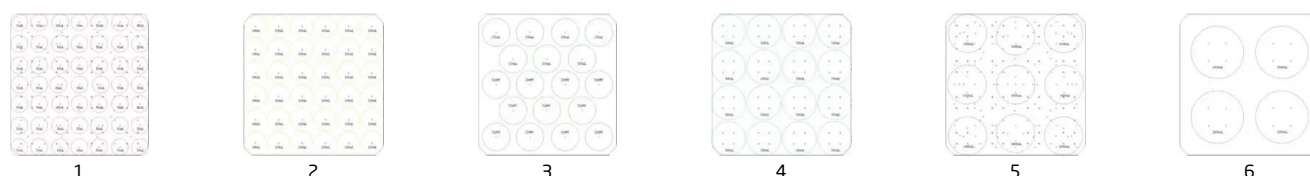
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ACCESSORIES FOR PURCHASE BGI2Q3

No	Name
1	Spring wire rack
2	Universal attachment
3	Cell culture spring rack
4	Flask clamp
5	Rubber mat
6	Tube rack
7	Universal platform
8	Sticky pad



No	Name
1	50ml*49pcs
2	100ml*36pcs
3	250ml*18pcs
4	500ml*16pcs
5	1000ml*9pcs
6	2000ml*4pcs



ACCESSORIES FOR PURCHASE BGI2Q4 BGI2Q5 BGI2Q6 BGI2Q7 BGI2Q8

No	Name
1	Spring wire rack
2	Universal attachment
3	Cell culture spring rack
4	Flask clamp
5	Rubber mat
6	Tube rack
7	Universal platform
8	Sticky pad



FEATURES

Intelligent:

Colorful touch screen or LCD controller, menu type operation interface makes operation simple and easily.

With preset start, standby and end function.

Multi phase temp. speed, time and heating etc parameters can be set and programmable at the same time, simplified complicated experiments process.

With App running control and monitoring function.

Profession:

Adopt international standard DIN-12880-2007 test and manufacturing.

Offer temp. shake speed, timer control and working chamber temperature is uniform.
 Observe the samples through glass windows, which would not affect working chamber temperature.
 Shake speed can be controlled to ensure liquid won't be out to damage the instruments.
 Uninterrupted running: Low heat DC motor, large start torque, wide speed adjustment, free maintenance.

Technical breakthroughs:

Unique air flow technology

- Adopts continuous flow fan technology, air stability, no turbulence, temperature is uniform.
- Cycle fan speed can be automatically controlled, it can avoid the samples volatile too fast due to cycle fan is too fast.

Patented single-axis drive technology

- Patented single-axis drive and balancing technology, running stable, low noise and low consumption.

Pneumatic support technology

- Adopts pneumatic support, transparent cover height can be adjustable to any position, convenient the operation.

Large screen LCD display

- Colorful touch screen can continuously, accurately and real-time display temp, rotation speed and work time. The menu operation interface is easy to understand.

Humanization design:

Combine incubator, shaker functions together with small space.

Patented overall design, transparent big view windows, dynamic master the culture effect.

With reserve test hole, outer sensors can access to test the inner cabinet temperature (option)

Shaking platform and chamber are made of stainless steel, anti-corrosion and easy to clean.

Standard configuration is universal clamp, it can used for different vessel with different volume.

Interrupted performance guaranty:

Brushless DC motor, large start torque, wide speed adjustment, free maintenance.

Safety:

Protection on instruments: Comply international standard secondary temp. limiter alarm system, alert the operator with sound and light alarms, ensure operator is safe without any accident.

Protection on key components: Key components have over current, over temp., over load etc safety protection, it can prevent instruments accidents without precautions.

Protection on samples: Working chamber temperature higher or lower the set temp., alarm starter cut down the heater, alert the operator with sound and light alarms.

Protection on operator: Cabinet and door is special designed for insulation, low heat of cabinet body, ensure operator use instrument without burnt.

Breakdown message provided: When the instrument breakdown, the breakdown messages show on the screen to help operator easily check.

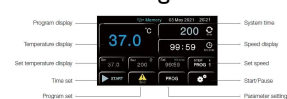
Convenient data process:

Equip with USB as options, record temp. parameter changes (option)

Equip with RS232 data interface, through software to remote control machine performance (option)

Above two options can be selected only one.

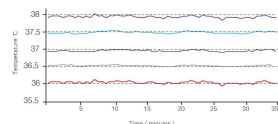
Colorful intelligent touch screen



LCD screen controller professional type

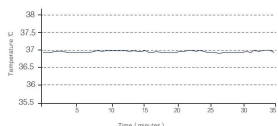


Precise temperature control



Shaker inner chamber temp. uniformity $\leq \pm 1$ degree C to ensure all samples temp. are uniform.

Note: Temp. accuracy and uniformity should be tested in stable status.



Shaker inside chamber temp. accuracy is ± 0.1 Degree C , ensure the experiment is stable.

APPLICATIONS

Shaker incubator combines incubator and shaker functions together, it provides accurate temp. control, realizes shake incubating and meet bacterium, microbe suspension incubate requirements. It is ideal instrument for Cell culture, fermentation, biochemistry, water quality analysis, plant cultivation and breeding.

MORE INFO

Model	BSI1	BSI2	BSI3
Universal Platform WxD(mm)			
250x250	yes		
350x350		yes	
450x450			yes
Spring Wire Rack WxD(mm)			
250x250	yes		
350x350		yes	
450x450			yes
Universal Attachment WxDxH(mm)			
250x250x85	yes		
350x350x100		yes	
450x450x100			yes
Cell Culture Spring Rack WxD(mm)			
250x250	yes		
350x350		yes	
450x450			yes
Rubber Mat WxD(mm)			
250x250	yes		
350x350		yes	
450x450			yes
Individual Flask Clamps (ml)			
50ml	16	36	49
100ml	9	23	36
250ml	5	13	18
500ml	4	8	16
1000ml	-	4	9

2000ml	-	-	4
Test Tube Rack			
Φ8mmx105			
Φ10mmx72			
Φ12mmx72			
Φ14mmx42			
Φ17mmx26	2	3	4
Φ25mmx14			
Φ30mmx12			
Φ35mmx10			
Φ50mmx4			
Sticky Pad WxD(mm)			
140x140	1	4	9

BENCHTOP SHAKING INCUBATOR BEV1U1 TO BEV1U4

BENCHTOP SHAKING INCUBATOR

Benchtop Shaking Incubator BEV1U1

The bench top shaking incubator has a compact design that saves your precious lab space. Stainless steel interiors with exceptional durability and trouble-free cleaning require less maintenance. A large transparent lid provides easy observation. The microprocessor controller permits easy operation. A variety of platforms and other lab accessories allows configuration to meet your demands.



Benchtop Shaking Incubator BEV1U1

Speed can be set as 60-400 rpm

The electronic control of closed cycle adjustable heating system

Stainless steel interior and Electrostatic sprayed exterior

Call to restore function, without power supply

With strong influence of intermittent rapid heating system of 200 type and 100B type with air pressure regulating valve

Flexible and convenient, wide variety of detachable accessories

SPECIFICATIONS

Model	BEV1U1	BEV1U2	BEV1U3	BEV1U4
Old Model	BSBT-301	BSBT-302	BSCO-201	BSCO-203
Internal dimension/capacity (HxWxD) mm/liter	500 mlx3 or 250 mlx3 or 100 mlx4 or 50 mlx4 (Optional 500 mlx9 or 250 mlx12 or 100 mlx18)	500 mlx28 (Optionally available 1000 mlx18 or 250 mlx43)	500 mlx3 or 250 mlx4 or 100 mlx5 or 50 mlx5 (Optionally available 500 mlx9 or 250 mlx16 or 100 mlx25)	500 mlx28 (Optionally available 2000 mlx8 or 1000 mlx18 or 500 mlx28 or 250 mlx43)
Voltage(V)	220			
Temp. Range °C	RT+5~50		4~50	
Oscillation frequency Rpm	20~300			
Amplitude mm	24	26	24	26
Floating Range °C	±0.1			
Alt Name	Benchtop Shaking Incubator			



BEV1U1 BEV1U3



BEV1U2 BEV1U4

FEATURES BEV1U1

Speed can be set as 60-400 rpm

The electronic control of closed cycle adjustable heating system

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Call to restore function, without power supply

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FEATURES BEV1U2 BEV1U3

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With strong influence of intermittent rapid heating system of.200 type and 100B type with air pressure regulating valve

Flexible and convenient, wide variety of detachable accessories

FEATURES BEV1U4

The electronic control of closed cycle adjustable heating system

Stainless steel interior and Electrostatic sprayed exterior

Call to restore function, without power supply

With strong influence of intermittent rapid heating system of.200 type and 100B type with air pressure regulating valve

Flexible and convenient, wide variety of detachable accessories

Microprocessor controller

Stainless steel interior and Electrostatic sprayed exterior

LCD display

APPLICATIONS BEV1U1 BEV1U2

Cell Cultures, Cell Aeration, Microbiology, Increasing Solubility Rates, Metabolism Studies, Bacterial Cultures, Bacteriology

APPLICATIONS BEV1U3 BEV1U4

Cell Culturing, Cell Aeration, Solubility Studies, Sample Preparation, Water Analysis, BOD Measurement, Plating, Breeding Experiments, Research Institutions, Universities, Colleges

BENCHTOP SHAKING INCUBATOR BFA1X1

INCUBATOR SHAKER

Incubator Shaker is one kind of temperature controlled biochemical instrument combining incubation and shaking function. It is widely used in cell culture, fermentation, hybridization, biochemistry, research of enzyme and cell tissue, etc. which requires higher quality of temperature controlling and shaking speed. It can dynamically and statically cultivate microbial cell and all kinds of strains.



PID speed control technology.

Integrate incubator and shaker. Save lab space.

Compact constant temperature space, good temperature uniformity, low noise.

Micro-processor controls temperature and shaking speed. Built-in timing function

Human friendly touch-tone operation interface. Cover can be widely angle opened, convenient to watch and pick sample.

Equipped with cover switch. When the cover is open, air circulation, heating and shaking will automatically stop. No temperature overshoot problem.

Unique speed control circuit to ensure shaker smoothly start to avoid liquid spilling.

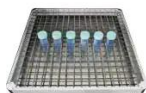
Circulation fan speed can be adjusted to avoid high-speed of the circulation fan making the sample volatilize

SPECIFICATIONS

Model	BFA1X1
Speed range	50rpm ~300rpm
Shaking orbit	20mm (circle)
Temp. control range	4 ~60°C @Ambient temp.≤25°C
Temp. setting range	4 ~60°C
Max. drop temp.	R.T. decrease 20°C@R.T.≥25°C
Temp. stability	±0.3°C
Temp. Display accuracy	0.1°C
Time range	1min ~99h59min
Voltage	AC 220V , 50/60Hz
Power	1200W
Fuse	250V, 5A/10A, Φ5x20
Dimension	W.560xD.823xH.449
Net weight	61Kgs
Platform	PW-420
Alt Name	Incubator Shaker

ITEMS INCLUDED

No	Name	Description
1	Platform PW-420	W.410 x D.420 x H.65mm



1

FEATURES

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Unique speed control circuit to ensure shaker smoothly start to avoid liquid spilling.

Circulation fan speed can be adjusted to avoid high-speed of the circulation fan making the sample volatilize

Independent temperature alarm system. Heating is cut off automatically when temperature is over the limited value.

Sound alarms after program finishes, it can also be set to untimed continuous operation.

Brushless DC motor, long life and maintenance-free.

BENCHTOP SHAKING INCUBATOR BGI2P1 TO BGI2P4

SHAKER

This instruments high-end brand, specialized in providing general lab equipment like high performance dry oven, vacuum oven, CO2 incubator, low temp. incubator, thermostat incubator, constant humidity chamber, drug stabilization chamber, shaker, orbital shaker etc. Devote to provide user intelligent, professional, humanized lab instruments, which meets modern laboratory high end application.



Colorful intelligent touch screen control:

Adopt 4.3 inches touch screen, intelligent touch screen control, parameters real time display, operation easily.

Temp., rotation speed and time etc. parameters fast setting.

Humanization design:

Silent working.

Colorful touch screen display, multi data display at one screen, easily to observe and operate.

Platform is stainless steel, easy to detach and clean.

Various kinds of clamps and racks for selection, easily change racks and clamps improve work efficient.

Quality guaranty:

SPECIFICATIONS

Model	BGI2P1	BGI2P2	BGI2P3	BGI2P4
Range speed	40 - 300rpm			
Amplitude	26mm			
Timer range	1 - 99h59min			
Max load	250mlx48pcs or 500mlx30pcs or 1000mlx20pcs or 2000mlx12pcs (single shelf)		250mlx63pcs or 500mlx35pcs or 1000mlx35pcs or 2000mlx16pcs (single shelf)	
Platform size (mm)	800x600		920x640	
Platform quantity	1pcs	2pcs	1pcs	2pcs
Overall size WxDxH (mm)	895x740x460	895x740x900	1115x835x460	1115x835x900
Rated power	250W			
Power supplies	AC220V 50HZ			
Standard configuration	500mlx30pcs (single shelf)		1000mlx35pcs (single shelf)	
Alt Name	Shaker			



ACCESSORIES FOR PURCHASE

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Quality guaranty:

User's set parameters can be stored automatically when power off suddenly, and it resume last program settings when power on.

PID microcomputer control temp. and shake frequency with timer, it starts shake gently to prevent liquid coming out from the vessels and stops the machine working.

With rotation speed monitoring circuit. When the instrument detects rotation speed is too fast or too slow, it can stop shaking to ensure no accident occur.

Uninterrupted performance guaranty:

Brushless DC motor, large start torque, wide speed adjustment, free maintenance.

Three-eccentric axis balance drive:

Three-eccentric axis balance drive ensures all samples in the shaker platform movements at the same rotation frequency. Durable structure guarantees the shaker incubator can work properly no matter full load or high speed working.

Multi-segment programmable control:

Multi-segment temp., speed, time program at the same time. It has normal mode or programmable mode for running. Preset parameter and work data can be shown at the same time. It simplified complicated culture requirements and realize auto control and run.

Convenient data process:

Equip with USB as options, record temp. parameter changes (option).

Equip with RS232 data interface, through software to remote control machine performance (option).

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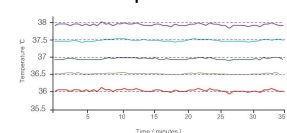
Colorful intelligent touch screen



LCD screen controller professional type

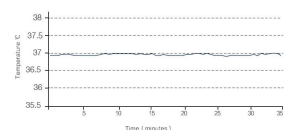


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APPLICATIONS

Shaker incubator adopts new outlook, large LCD screen, latest technology of motor driven system, large torque, stable operation, low noise, fast heat dissipation and long service life. It is widely used in cell culture, fermentation, hybridization, biochemistry and enzyme research etc. that need shaker function in laboratory experiments or pilot experiments.



Biolab Scientific Ltd.

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada
Email: info@biolabscientific.com | Website: www.biolabscientific.com