



SHAKING INCUBATOR

SHAKING INCUBATOR BER-3001 BER-3002

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	BER-3001	BER-3002
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.
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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.
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APPLICATIONS

Small desktop constant temperature shaking culture equipment.

SHAKING INCUBATOR BER-2801 BER-2802

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	BER-2801	BER-2802
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.

SHAKING INCUBATOR BER-2701 TO BER-2706

VERTICAL CONSTANT TEMPERATURE SHAKER (LCD)



1. Imported compressors, imported bearings, servo motors.
2. Air duct design, not direct blowing, good temperature uniformity.
3. The minimum speed is 10rpm.it can start and stop at ultra-low speed to protect the sample.
4. Make an appointment to start the function.
5. Solenoid valve defrost function can ensure long-term low temperature operation.
6. Can be set to run forward, reverse, and alternately run.

SPECIFICATIONS

Model	BER-2701	BER-2702	BER-2703
Control Mode	PID microcomputer processing chip		
Cycle Mode	Forced convection		
Shaking Mode	Convolution		
Display Mode	LCD liquid crystal display		
Drive Mode	Multidimensional drive		
USB data download system			Yes (optional)
Control System	Standard mode; continuous mode; programmable mode		
Rotary Speed Range (rpm)	0, 20-350 (Can do static training, forward and reverse)		
Rotary Accuracy (rpm)	±1		
Amplitude (mm)	Φ26	Φ26 customizable Φ35 (20-250rpm/min), Φ50 (20-2000rpm/min)	

Max Capacity (clamp)	100ml*60 or 250ml*38 or 250ml*22 or 1L*16		100ml*100 or 250ml*56 or 500ml*44 or 1L*24
Max Capacity (stick mat)	100ml*60 or 250ml*36 or 500ml*24 or 1L*16		100ml*120 or 250ml*70 or 500ml*44 or 1L*24
Standard configuration	250ml*24		250ml*28 500ml*22
Plate Size (mm)	500*360		710*455
Timer Range (h/min)	0-9999 (with timing function, continuous operating)		
Temperature Range (°C)	Ambient temperature+5~65	4-65 (25°C)	Ambient temperature+5~65
Temperature Accuracy (°C)	±0.1		
Temperature Uniformity (°C)	±0.5 (37°C, Effective Working Area)		
Temperature Motion (°C)	<0.1 (37°C)		
Tray Quantity	2 (pieces)		
External Size (mm)	700*580*1280		950*700*1280
Capacity (L)	175		335
Power (W)	600	850	900
Power Supply	AC220 ± 10% 50-60HZ		
Ambient Temperature (°C)	5-30		
Additional Function	Ultra-low start, adjustable start speed, automatic overspeed protection, watchdog timer, parameter memory, call recovery, refrigeration unit overload protection and call delay start, automatic defrost, upper and lower limit temperature sound and light alarm, automatic stop when the door is opened (optional), with lighting, ultraviolet disinfection function (optional), setting parameter view, monitoring temperature and correction of ambient temperature. Touch screen (optional)		
Alt Name	Vertical Constant Temperature Shaker (LCD)		

Model	BER-2704	BER-2705	BER-2706
Control Mode	PID microcomputer processing chip		
Cycle Mode	Forced convection		
Shaking Mode	Convolution		
Display Mode	LCD liquid crystal display		
Drive Mode	Multidimensional drive		
USB data download system	Yes (optional)		
Control System	Standard mode; continuous mode; programmable mode		
Rotary Speed Range (rpm)	0, 20-350 (Can do static training, forward and reverse)	0, 20-280 (Can do static training, forward and reverse)	
Rotary Accuracy (rpm)	±1		
Amplitude (mm)	Φ26 customizable Φ35 (20-250rpm/min), Φ50 (20-2000rpm/min)		
Max Capacity (clamp)	100ml*100 or 250ml*56 or 500ml*44 or 1L*24	250ml*90 or 500ml*72 or 1000ml*42	
Max Capacity (stick mat)	100ml*120 or 250ml*70 or 500ml*44 or 1L*24	250ml*112 or 500ml*76 or 1000ml*42	
Standard configuration	250ml*28 500ml*22	250ml*45 500ml*36	
Plate Size (mm)	710*455	950*550	
Timer Range (h/min)	0-9999 (with timing function, continuous operating)		
Temperature Range (°C)	4-65 (25°C)	Ambient temperature+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 Quantity			
External Size (mm)	950*700*1280	1200*800*1630	
Capacity (L)	335	580	

Power (W)	1150	1100	1250
Power Supply	AC220 ± 10% 50-60HZ		
Ambient Temperature (°C)	5-30		
Additional Function	Ultra-low start, adjustable start speed, automatic overspeed protection, watchdog timer, parameter memory, call recovery, refrigeration unit overload protection and call delay start, automatic defrost, upper and lower limit temperature sound and light alarm, automatic stop when the door is opened (optional), with lighting, ultraviolet disinfection function (optional), setting parameter view, monitoring temperature and correction of ambient temperature. Touch screen (optional)		
Alt Name	Vertical Constant Temperature Shaker (LCD)		



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